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**FINAL**  
**TECHNICAL MEMORANDUM**  
**SUBAREA 8 ROUND 1 SOIL SAMPLE RESULTS**  
**SANTA SUSANA FIELD LABORATORY**  
**AREA IV RADIOLOGICAL STUDY**

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**SUBJECT:** Subarea 8 Round 1 Soil Sample Results

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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 (NBZ) 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, historical aerial photographs, and findings of the Historical Site Assessment. Sampling efforts in the study area were divided into subareas. Round 1 soil sample locations were identified from these lines of evidence, and a Field Sampling Plan (FSP) Addendum for the subarea was prepared. The potential soil sampling locations were presented to USEPA's SSFL Technical Stakeholder Workgroup, and locations were reviewed and finalized.

This Technical Memorandum documents the soil sampling activities, analytical results, and conclusions of the Subarea 8 round 1 soil sampling. The primary objective of the Subarea 8 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.

## **2.0 SOIL SAMPLING ACTIVITIES**

### **2.1 Soil Sample Location Placement and Utility Clearance**

A total of 302 surface, subsurface, and drainage samples were proposed in the Subarea 8 North FSP Addendum (HGL, 2011a) and Subarea 8-South FSP Addendum (HGL, 2011b). The proposed sampling locations were discussed during technical review meetings held on March 16, 2011 (Subarea 8-North) and August 17, 2011 (Subarea 8-South), 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 locations were finalized with the Technical Stakeholder Workgroup, proposed sampling locations were marked in the field using a 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.

During the sampling effort, some samples could not be obtained due to conditions encountered in the field. Table 1 shows the number of each sample type proposed (surface soil, subsurface soil, and drainage) and the number actually collected. Figure 1 illustrates soil sample locations (proposed and collected). Deviations from the FSP Addendum are described in Section 2.3 and summarized in Table 2.

### **2.2 Sample Collection**

Surface soil and drainage samples were collected using a stainless steel trowel or shovel. Subsurface samples were collected using a Geoprobe™ 6600 Series direct-push technology (DPT) unit or a hand auger. Soil samples were collected in accordance with the procedures detailed in the Final FSP for Soil Sampling (HGL, 2012a), and the Subarea 8 North FSP Addendum (HGL, 2011a) and Subarea 8-South FSP Addendum (HGL, 2011b). Soil cores were logged and the boring logs are provided in Attachment 2. A total of 283 surface, subsurface, and drainage soil samples were collected within Subareas 8-North and 8-South from April 11 to June 20, 2011, and from September 29 to December 2, 2011.

The 56 Landfill area and the Empire State Atomic Development Authority (ESADA) Firing Range area located within Subarea 8 have been designated as Likely Chemical Remediation Zones (LCRZ). USEPA understands that most, if not all, surface soil and infrastructure (concrete slabs and underground pipelines) may be excavated and removed from areas identified as LCRZs. Therefore, USEPA placed a reduced number of surface and subsurface samples within these zones to define potential contamination at depth, and placed surface and subsurface samples around the perimeter of the LCRZs to better define the potential extent of contamination associated with such zones. In accordance with USEPA's role under the Administrative Order on Consent (AOC) for Remedial Action (DTSC, 2010) between DTSC and DOE for the SSFL site, USEPA will conduct confirmation soil sampling to verify that site remediation goals have been achieved at all such remediation zones. If the LCRZs will not be

excavated or removed, a data gap may exist. Additional investigations in the future may be necessary to address the potential data gap. These follow-on efforts are not included in the current scope of work and will be accomplished using additional external funding.

### **2.3 Deviations from the Field Sampling Plan Addendum**

Table 2 summarizes the deviations from the FSP and details why planned samples were not collected. Subsurface soil samples were not collected from 16 locations because of insufficient sample volume due to shallow refusal. Surface and subsurface soil samples were not collected from Locations 81 and 123 (Subarea 8-North), as they were located within archaeological zones where soil disturbance is not permitted. The archaeological zones are surrounded by other round 1 sampling locations so it was not feasible to move Locations 81 and 123 outside of the zones. One additional unplanned subsurface sample was collected at Location 142. This sample is included in the total number of collected samples presented in Table 1.

### **2.4 Soil Boring Summary**

A total of 147 subsurface borings were attempted, of which 131 were completed to a depth at which sufficient soil volume was present to obtain a sample. No samples could be collected at 16 locations due to shallow refusal and insufficient soil volume. When shallow refusal was encountered two additional attempts were made, within a five foot radius, to get down to the proposed depth. If after the third attempt the proposed depth could not be reached a sample was collected, where possible. Of the 147 borings attempted, 47 borings were advanced to the proposed depth of 10 feet below ground surface (bgs) or deeper (HGL, 2011a and 2011b). Refusal was encountered in 100 borings before the proposed depth was reached because rubble was present in the fill material, or because bedrock was encountered. Of the borings that were not completed to the proposed depth, 37 borings could only be advanced to a depth between 0.5 and 5.0 feet bgs and 63 could only be advanced to a depth between 5.0 and 10.0 feet bgs. Refusal was encountered, after three attempts were made, in seven of the borings due to rubble present in fill material, and in 93 borings the planned depth could not be reached because bedrock was encountered.

Soil samples were classified and described in accordance with the FSP for Soil Sampling (HGL, 2012a). The most common soil types observed were sand, silty sand, silt, sandy clay, silty clay, and clay. A total of 76 locations encountered fill material in all or a portion of the boring. The average thickness of the fill material was 3.53 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 56 of the 76 borings. A total of 71 borings consisted of only native soil with an average thickness of 5.5 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 analyzed 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 Former Sodium Disposal Facility (FSDF) were also analyzed for the site-specific analytes nickel (Ni)-63, Ni-59, technetium (Tc)-99, and promethium (Pm)-147. Soil samples collected in the vicinity of Building 4009 also were analyzed for americium (Am)-243, carbon-14 (C-14), Ni-63, Ni-59, and Tc-99 in accordance with the rationale presented in Table 2.3 of the FSP for Soil Sampling (HGL, 2012a).

### **3.1 Radiological Trigger Levels**

Analytical results were compared to the radiological trigger levels (RTL) established specifically for the Area IV SSFL Radiological Study. RTLs are reference soil concentrations for the radionuclides of concern for the Radiological Study. Analytical results less than RTLs are considered uncontaminated or non-actionable, and results that exceed RTLs are actionable and may represent contamination, particularly for radionuclides originating from anthropogenic sources. The process used to derive the RTLs is presented in the Technical Memorandum, Radiological Trigger Levels (HGL, 2011c), and is briefly summarized below.

During the SSFL Radiological Background Study (HGL, 2011d), soil samples were collected from off-site locations representing the two geological formations present at the SSFL Site: the Chatsworth Formation and the Santa Susana Formation. Based on the results of the background samples Background Threshold Values (BTV) were developed, which are the upper concentration limits of radionuclides of concern from off-site locations. BTVs 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 RTL for a particular radionuclide was established at the greater of BTV or MDC values plus an additional method uncertainty (for comparison of individual sample results to the RTL). Using this approach, it is assured that an RTL exceedance is greater than locally determined background concentrations.

### **3.2 Analytical Results**

A total of 283 samples were collected during the Subarea 8, round 1 soil sampling event. All of the soil samples collected were analyzed for the SSFL default suite of radionuclides as listed in Table 2.3 of the FSP for Soil Sampling (HGL, 2012a). In addition, select soil samples also were analyzed for Am-243, C-14, tritium (H-3), Ni-63, Ni-59, Pm-147, and Tc-99.

Analytical results presented in the following subsections are described in three different ways:

1. The number of physical locations where a sample(s) was collected that contained at least one radionuclide that exceeded RTLs,
2. The number of samples containing radionuclides that exceeded the RTLs, and
3. The number of radionuclides that exceeded RTLs.

Analytical results of soil samples collected during the round 1 sampling event reported a total of 26 locations (27 samples) where site related man-made radionuclide exceeded RTLs.

Results of the 27 samples showed 28 radionuclides that exceeded the RTLs. Cesium (Cs)-137 exceeded the RTL of 0.207 picocuries per gram (pCi/g) in three samples and strontium (Sr)-90 exceeded the RTL of 0.485 pCi/g in 21 samples. Americium-241 and plutonium (Pu)-239/240 exceeded their RTL of 0.0454 pCi/g and 0.028 pCi/g, respectively, in two samples collected.

Soil samples reported to contain radionuclide concentrations at or above the respective RTL were in the following areas:

- The 56 landfill area,
- Building 4009,
- FSDF,
- ESADA area, and
- The south portion of Subarea 8-South.

Table 3 below shows the number of RTL exceedances detected during round 1 sampling by location, samples and radionuclides exceeding the RTLs.

**Table 3**  
**Round 1 Locations, Samples and Radionuclides with Exceedances**

| Area of RTL Exceedance | Locations | Samples   | Radionuclides Exceeding RTLs |
|------------------------|-----------|-----------|------------------------------|
| 56 Landfill            | 2         | 2         | 2                            |
| Building 4009          | 5         | 5         | 5                            |
| FSDF                   | 5         | 5         | 6                            |
| ESADA                  | 9         | 9         | 9                            |
| 8-South                | 5         | 6         | 6                            |
| <b>Total</b>           | <b>26</b> | <b>27</b> | <b>28</b>                    |

At 21 locations (21 samples) Sr-90 exceeded the RTL of 0.485 pCi/g and at three locations (three samples) Cs-137 exceeded the RTL of 0.207 pCi/g. Plutonium-239/240 exceeded the RTL of 0.0404 pCi/g at two locations (two samples) and Am-241 exceeded the RTL of 0.0454 pCi/g at two locations (two samples). Soil samples reported to contain radionuclide concentrations at or above the respective RTL were clustered in five primary areas within Subarea 8 as summarized below:

- **56 Landfill Area (Figure 2)**
  - Cesium-137 was reported exceeding the RTL at one location (one sample) with a concentration of 0.878 pCi/g.
  - Plutonium-239/240 was reported exceeding the RTL at one location (one sample) with a concentration of 0.0713 pCi/g.

- **Building 4009 (Figure 3)**
  - Strontium-90 was reported exceeding the RTL at five locations (five samples) with concentrations from 0.534 pCi/g to 1.39 pCi/g.
- **Former Sodium Disposal Facility (Figure 4)**
  - Americium-241 was reported exceeding the RTL at two locations (two samples) with concentrations of 0.0484 pCi/g and 0.0514 pCi/g.
  - Plutonium-239/240 was reported exceeding the RTL at one location (one sample) with a concentration of 0.0873 pCi/g.
  - Strontium-90 was reported exceeding the RTL at three locations (three samples) with concentrations of 0.855 pCi/g, 0.995 pCi/g, and 2.71 pCi/g.
- **Empire State Atomic Development Associates (Figure 5)**
  - Strontium-90 was reported exceeding the RTL at nine locations (nine samples) with concentrations from 0.51 pCi/g to 2.51 pCi/g.
- **8-South (Figure 6)**
  - Cesium-137 was reported exceeding the RTL at two locations (two samples) with concentrations from 0.212 pCi/g and 0.266 pCi/g.
  - Strontium-90 was reported exceeding the RTL at four locations (four samples) with concentrations from 0.873 pCi/g to 1.53 pCi/g.

There were no naturally occurring radionuclides, also known as Naturally Occurring Radioactive Material (NORM), detected at concentrations above the RTLs in any of the samples collected from Subarea 8.

Table 4 presents the soil samples with radionuclide concentrations above RTLs including sample location, sample type, radionuclide concentration, and technical justification for collecting additional step-out soil samples. Figure 1 presents the locations of all the soil samples collected during round 1. Figures 2 through 6 present the location, radionuclide, and concentration detected above the RTLs in samples collected from the areas discussed above. A summary of the analytical results is provided in Table A.2.

### 3.3 Subarea 8 Radiological Trigger Level Data Quality Gap Result Evaluations

The use of RTLs is predicated on the assumption that analytical results will be of known and predictable quality, with the uncertainty constrained to a level that supports direct comparison of results to RTLs. As stated in the QAPP (HGL, 2012b), the pertinent data quality objective (DQO) considered in the development of RTLs is that radioactivity exceedance decision error rates will be less than 5 percent. This DQO is achieved by the primary measurement quality objective (MQO) that samples with reported activity greater than the RTL should have a combined standard uncertainty of less than 10 percent.

In some cases, matrix or spectral interference, or the laboratory's occasional use of non-optimal instrumentation, results in analytical uncertainties greater than the desired 10 percent for a small percentage of analytical results. In these cases, a decision must be made whether

the uncertainty is sufficiently constrained to be used to make radioactivity exceedance decisions.

The MDC is the level of activity in a sample that may be statistically distinguished from a blank sample at the 95 percent confidence interval. In practice, the MDC is a level of activity at which the uncertainty is constrained to a predictable fraction of the reported activity. It is determined, by review of the reported data and from technical judgment, that results above the reported MDC will have the associated uncertainty constrained to a degree that may be useful for decision-making in exceptional circumstances, with professional oversight. Results below the associated MDC may not be usable for decision-making and represent potential data quality gaps.

A data quality gap is a sample result for which the MDC is greater than the RTL, but the reported activity is below the RTL, indicating an indeterminate result that may or may not exceed the RTL. The elevated MDC indicates a result that lacks sufficient precision to support decision making at the RTLs.

It is understood that, for all results, the reported analytical uncertainty is sufficiently reliable to be considered, however the magnitude of that uncertainty may not always allow direct comparison of the activity to the RTL, as discussed above. In many cases, the reported activity is sufficiently below the RTL (more than the associated, elevated  $2\sigma$  total propagated uncertainty [TPU]) to decide that the result does not represent an exceedance. For these cases, results are removed from further data quality gap assessment.

Remaining data quality gap results are evaluated on a case by case basis to determine whether further action is warranted or beneficial. Out of 300 samples, with 13,689 total results, there are 33 such data quality gaps in Subarea 8.

- Of the 33 data quality gaps requiring further assessment, three data quality gap samples have RTL exceedances for other analytes. Further clarification of these data quality gaps is not believed to be necessary, as step-out sampling is already scheduled at those locations. The radionuclide in question for the data quality gap will be included in the step-out analyses suite.
- Of the remaining 30 data quality gaps, 23 are associated with lower energy gamma spectrometry results, which are subject to sample-specific spectral interference from an elevated Compton continuum. This is an inherent limitation of gamma spectrometry and further analysis is not expected to significantly improve these results. The data quality gaps do not support a determination of an exceedance and no further action is planned. An additional three results demonstrate the same gamma spectral quality issue, but they are associated with the previously determined exceedances described above, and step-out sampling is already planned for those sample locations.
- Sample 40080 has a data quality gap for Am-241 and for Cm-243/244, apparently resulting from a low chemical yield of 25.6 percent, as well as a moderately increased instrument background count rate. It is reasonable that the laboratory might improve

the quality of the reported data to eliminate the data quality gap by preparing the sample for reanalysis. The laboratory will be requested to prepare a new aliquant for analysis and to meet the project DQO, in addition to achieving an MDC of less than 0.045 pCi/g for Am-241 and 0.044 pCi/g for Cm-243/244 (the analyte RTLs), if possible.

- Sample 40110 has a data quality gap for Cm-243/244, resulting from the use of a detector with an elevated background count rate in the spectral region of interest. It is reasonable to expect that the laboratory may improve the quality of the reported data to eliminate the data quality gap. The laboratory will be requested to recount the existing sample or prepare a new aliquant for analysis and to meet the project DQOs, in addition to achieving an MDC of less than 0.044 pCi/g (the analyte RTL), if possible.
- Sample 40141 has a data quality gap for Ni-59. The magnitude of the quality gap is not believed to be a significant concern; the MDC is 33 percent above the RTL, and the activity plus the  $2\sigma$  TPU is 2 percent above the RTL. The data quality gap is believed to be attributable to an elevated background count rate at the low X-ray emission energy for this analyte. In addition:
  - A review of all other analyte results for this sample shows no other exceedances for any analyte.
  - In particular, cobalt-60 activity for this sample is considered a non-detect, below the associated critical level ( $L_c$ ) result. Cobalt-60 activity is believed to be correlated with Ni-59 activity in most cases.
  - It is believed to be extraordinarily unlikely that Ni-59 contamination is present in the sample without significant quantities, including exceedances, of other fission and/or activation products.

The Ni-59 quality gap for this sample is not believed to be significant and is unlikely to represent a potential exceedance, based on the other radioanalytical data available for this sample. No further analysis is recommended.

- Sample 40086 has a data quality gap for Pu-238, resulting from a low chemical yield of 33.0 percent. It is reasonable that the laboratory attempt to improve the quality of the reported data to eliminate the data quality gap by preparing the sample for reanalysis. The laboratory will be requested to prepare a new aliquant for analysis and to meet the project DQOs, in addition to achieving an MDC of less than 0.042 pCi/g (the analyte RTLs), if possible.
- Sample 40245 has a data quality gap for Pu-239/240, resulting from a low chemical yield of 34.6 percent. It is reasonable that the laboratory attempt to improve the quality of the reported data to eliminate the data quality gap by preparing the sample for reanalysis. The laboratory will be requested to prepare a new aliquant for analysis and to meet the project DQOs, in addition to achieving an MDC of less than 0.040 pCi/g (the analyte RTLs), if possible.
- Sample 40202 has a data quality gap for Tc-99. The root cause is undetermined and is believed to be associated with routine statistical fluctuations in the sample and/or background count rate. While the magnitude of the data quality gap is not believed to be significant, there are other fission and activation products in the sample for which the results are above the LC and cannot be deemed non-detects, though none represent



RTL exceedances. It is reasonable that the laboratory may improve the quality of the reported data to eliminate the data quality gap by preparing the sample for reanalysis. The laboratory will be requested to prepare a new aliquant for analysis and to meet the project DQOs, in addition to achieving an MDC of less than 1.77 pCi/g (the analyte RTLs), if possible.

In Table 5 below, the samples shown will be either recounted or prepared for reanalysis in order to achieve an MDC that is no higher than the project RTLs. All other data quality gaps are either being addressed through existing step-out sampling and analyses, or it has been determined that, due to matrix or spectral interference, reanalysis is unlikely to be successful and the results must be accepted as-is. The results of the recounted or reanalyses samples will be presented in the Subarea 8 round 2 technical memorandum. We will be watching the reanalyses carefully, given the number of data quality gaps noted in this subarea report, as compared to the others.

**Table 5**  
**Samples to be Recounted or Reanalyzed**

| <b>Sample Identification</b> | <b>Analyte</b> | <b>RTL</b> |
|------------------------------|----------------|------------|
| 40080                        | Am-241         | 0.045      |
| 40080                        | Cm-243/244     | 0.044      |
| 40110                        | Cm-243/244     | 0.044      |
| 40086                        | Pu-238         | 0.042      |
| 40245                        | Pu-239/240     | 0.040      |
| 40202                        | Tc-99          | 1.77       |

**Notes:**  
Reporting units in pCi/g.  
Cm - curium

Table 6 below shows the data quality gap samples with existing RTLs.

**Table 6**  
**Data Quality Gap Samples with Existing Radiological Trigger Level Exceedances**

| Sample Identification | Analyte | Concentration | 1σ TPU | MDC    | RTL    | Comment             |
|-----------------------|---------|---------------|--------|--------|--------|---------------------|
| 40011                 | Eu-152  | 0.0155        | 0.0232 | 0.0687 | 0.0566 | Data Quality Gap    |
| 40011                 | Sr-90   | 0.535         | 0.0966 | 0.195  | 0.485  | Man-Made Exceedance |
| 40030                 | Ac-227  | 0.186         | 0.0794 | 0.229  | 0.217  | Data Quality Gap    |
| 40030                 | Sr-90   | 0.51          | 0.141  | 0.388  | 0.485  | Man-Made Exceedance |
| 40177                 | Sn-126  | 0.0118        | 0.0071 | 0.0237 | 0.0237 | Data Quality Gap    |
| 40177                 | Sr-90   | 1.26          | 0.159  | 0.177  | 0.485  | Man-Made Exceedance |

**Notes:**

Ac - actinium  
 Eu - europium  
 Sn - tin

**4.0 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES**

In addition to the environmental samples collected, quality control (QC) samples were collected as described in the QAPP (HGL, 2012b). The results of the QC 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 17 field duplicate samples were collected during the round 1 sampling event. The field duplicate evaluation criterion includes an additional 1σ uncertainty factor of 10 percent to allow for heterogeneity of co-located, but non-homogenized, field samples.

The comparability of a field duplicate result to that of the original sample is assessed by evaluating the duplicate Z-score comparison ( $Z_{DUP}$ ). The Z-score is a statistical test that indicates how many standard deviations an observation is from the expected value. The Z-score is defined in the QAPP (HGL, 2012b), and the  $Z_{DUP}$  is calculated as follows:

$$Z_{DUP} = \frac{|X_s - X_d|}{\sqrt{u_s^2 + u_d^2}}$$

where:

$X_s$  = activity of the sample  
 $X_d$  = activity of the duplicate

- $u_s$  = combined standard ( $1\sigma$ ) uncertainty of the sample
- $u_d$  = combined standard ( $1\sigma$ ) uncertainty of the duplicate

Higher  $Z_{DUP}$  scores indicate greater disparity between the sample and the duplicate results. A  $Z_{DUP}$  score of 2.0, for example, indicates that the duplicate result differs from the sample result by twice the overall uncertainty of the two results. By extension, a  $Z_{DUP}$  score of 1.96 (the warning level) indicates that the two results are statistically equivalent, at the 95 percent confidence interval. A  $Z_{DUP}$  score of 2.58 (the exceedance level) indicates that the two results are statistically equivalent, at the 99 percent confidence interval.

A  $Z_{DUP}$  evaluation is performed on each paired set of analytes for which parent and duplicate data are reported. This quality assurance/quality control assessment is performed on the validated laboratory results approved and accepted 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.

Round 1 field duplicate sample data includes 1,520 results from 760 sample/duplicate pairs. Those results included several analytes which were subsequently removed from consideration, and thus were not evaluated. In addition, any results that were rejected by data validation were removed from consideration. Finally, analytes that are simply inferred from previously reported results, such as barium-137m, which is inferred from the reported Cs-137 results, are considered redundant and have also been removed from consideration.

The  $Z_{DUP}$  evaluation of the remaining 645 qualified pairs follows:

- 601 results (93.2 percent) were within the expected 95 percent confidence interval for this evaluation, with  $Z_{DUP}$  less than 1.96;
- 25 results (3.9 percent) were between the 95 percent and 99 percent confidence interval with  $Z_{DUP}$  at or above 1.96, but below 2.58;
- 19 results (2.9 percent) exceeded the 99 percent confidence interval, with  $Z_{DUP}$  values at or above 2.58.

The  $Z_{DUP}$  statistical test predicts that, in a homogeneous sample/duplicate pairing, 4 percent of reported  $Z_{DUP}$  scores (approximately 26 results in this  $Z_{DUP}$  set) will be in the warning range between 1.96 and 2.58. In addition, 1 percent (approximately 6 results in this  $Z_{DUP}$  set) are expected to exceed a  $Z_{DUP}$  score of 2.58.

A review of the  $Z_{DUP}$  warnings and exceedances has been conducted and the following observations are made regarding the collection and analysis of field duplicate samples:

- The highest exceedance, i.e.  $Z_{DUP}$  score at or above 2.58, is related to a Sr-90 result with a  $Z_{DUP}$  score of 7.24. This result is related to the sample/duplicate pair 40185/40263. A careful review of the associated laboratory reports indicates that

further investigation is required before this apparently anomalous result can be either accepted or rejected. The laboratory has been requested to perform confirmatory analyses. In the meantime, the reported results should be considered inconclusive.

- The next five highest exceedances are related to the same sample/duplicate pair, 40146/40265. These  $Z_{DUP}$  scores range from 5.25 to 6.29, and are all related to the analysis of naturally occurring uranium and thorium isotopes, and show a clear and consistent low bias in the field duplicate results as compared to the parent sample results. A review of the associated analytical data indicates that the low duplicate results for isotopic uranium and thorium are not supported by the associated gamma spectrometry analyses of other isotopes in the same decay chains, which are generally higher and in the range of the parent sample results. The analytical data does not indicate a laboratory error or other obvious problems in the preparation and analysis of the samples, which suggests that the field duplicate analyses for isotopic uranium and thorium may have been subject to matrix-related interference, potentially inhibiting the laboratory sample dissolution or separation chemistry. Such matrix interference in the duplicate sample but not the parent suggests a potentially significant degree of heterogeneity in the co-located but non-homogenized sample pair.
- The remaining  $Z_{DUP}$  exceedances involve  $Z_{DUP}$  scores at or below 5.13. While this may indicate a degree of heterogeneity in the field that has not otherwise been accounted for in the assessment, or an underestimate in the laboratory's reported uncertainty beyond that discussed above, a review of the frequency and magnitude of the  $Z_{DUP}$  excursions, as well as a review of the individual results and associated laboratory data, do not indicate significant concerns regarding the quality or usability of the data.
- The 25  $Z_{DUP}$  scores in the warning range, between 1.96 and 2.58, are within the expected frequency and do not appear to represent a data quality excursion.

A summary of the parent and associated duplicate sample results is provided Table A.3.

#### **4.2 Equipment Rinsate and Source Water Blanks**

Equipment rinsate blanks were collected at a frequency of one per day, for each type of sampling equipment used per field team. Equipment rinsate blanks were collected in accordance with the FSP for Soil Sampling (HGL, 2012a) and the QAPP (HGL, 2012b). A total of 45 rinsate and four source water samples were collected during the round 1 sampling event. Each sample was tested for isotopic uranium, as a surrogate indicator of cross-contamination. Any results that were rejected for laboratory quality reasons would have been removed from consideration, as in the evaluation of field duplicate samples. In this dataset, however, no sample results were rejected. Rinsate and source water samples were also analyzed for H-3 if it was included in the analytical suite for samples collected that day.

In all cases, the samples were analyzed by the laboratory as received and the Total activity is reported.

Round 1 rinsate and source water samples include 286 total results, from which 143 data pairs were evaluated by Z-score duplicate comparison. The  $Z_{DUP}$  scores are summarized below.

- 142 results (99.3 percent) were within the expected 95 percent confidence interval for this evaluation, with  $Z_{DUP}$  less than 1.96;
- 1 results (0.7 percent) was between the 95 percent and 99 percent confidence interval with  $Z_{DUP}$  at or above 1.96, but below 2.58;
- Zero results (0.0 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 one result in the warning range is well within the expected frequency.

The 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 detected in samples collected from five primary areas:

- The 56 landfill area,
- Building 4009,
- FSDF,
- ESADA area, and
- The south portion of Subarea 8-South.

The radionuclides that were detected at concentrations exceeding the RTLs are summarized below:

- Americium-241 was detected at two locations (two samples) with concentrations from 0.0484 pCi/g to 0.0514 pCi/g.
- Cesium-137 was detected at three locations (three samples) with concentrations of 0.212 pCi/g, 0.266 pCi/g, and 0.878 pCi/g.
- Plutonium-239/240 was detected at two locations (two samples) with concentrations of 0.713 pCi/g and 0.0873 pCi/g.
- Strontium 90 was detected at 21 locations (21 samples) with concentrations from 0.51 pCi/g to 2.71 pCi/g.

Round 2 soil sampling activities will consist of collecting additional step-out soil samples in the vicinity of each exceedance identified in round 1 samples. The Draft Subarea 8 Round 2 FSP Addendum (HGL, 2012c) has been prepared which describes the proposed step-out soil sampling locations, analytical testing, and technical justification for the additional sampling.

## **6.0 REFERENCES**

HydroGeoLogic, Inc., 2011a. Subarea 8 North FSP Addendum, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. March.

HydroGeoLogic, Inc., 2011b. Subarea 8-South Addendum to Field Sampling Plan, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. September.

HydroGeoLogic, Inc., 2011c. Technical Memorandum, Radiological Trigger Levels, Santa Susana Field Laboratory, Area IV Radiological Study. December.

HydroGeoLogic, Inc., 2011d. Final Radiological Background Study Report, Santa Susana Field Laboratory, Ventura County. October.

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. Draft Subarea 8 Round 2 Addendum to the Final Field Sampling Plan for Soil Sampling, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. May.

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**LIST OF ATTACHMENTS**

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**TABLES**

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**Table 1**  
**Summary of Planned and Collected Samples by Group**  
**Subarea 8, Round 1**

| Group                  | Drainage  |           | Surface    |            | Subsurface |            | Total      |            |
|------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|
|                        | Planned   | Collected | Planned    | Collected  | Planned    | Collected  | Planned    | Collected  |
| <b>Subarea 8-North</b> |           |           |            |            |            |            |            |            |
| 1                      | 7         | 7         | 42         | 42         | 45         | 45         | 94         | 94         |
| 2                      | 10        | 10        | 56         | 53         | 64         | 54         | 130        | 118        |
| 3                      | 0         | 0         | 15         | 15         | 15         | 10         | 30         | 25         |
| <b>Subarea 8-South</b> |           |           |            |            |            |            |            |            |
| 1                      | 0         | 0         | 24         | 24         | 24         | 22         | 48         | 46         |
| <b>Total</b>           | <b>17</b> | <b>17</b> | <b>137</b> | <b>135</b> | <b>148</b> | <b>131</b> | <b>302</b> | <b>283</b> |

**Note:**

The total number of samples collected includes one additional unplanned subsurface soil sample.

**Table 2**  
**Summary of Samples Not Collected**  
**Subarea 8, Round 1**

| Sample Location | Sample Identification | Sample Type | Justification  |
|-----------------|-----------------------|-------------|--|
| 8N-00009        | 40018                 | Subsurface  | Shallow refusal at 1.25 feet bgs on fill material with Geoprobe.         |
| 8N-00066        | 40126                 | Subsurface  | Shallow refusal at 1.5 feet bgs on sandstone with Geoprobe.              |
| 8N-00075        | 40144                 | Subsurface  | Shallow refusal at 1.5 feet bgs on sandstone with Geoprobe.              |
| 8N-00081        | 40154                 | Surface     | Location is within an archeological zone, no soil disturbance permitted. |
| 8N-00081        | 40155                 | Subsurface  | Location is within an archeological zone, no soil disturbance permitted. |
| 8N-00082        | 40157                 | Subsurface  | Shallow refusal at 0.66 feet bgs on sandstone with hand auger.           |
| 8N-00102        | 40189                 | Subsurface  | Shallow refusal at 1.5 feet bgs on sandstone with hand auger.            |
| 8N-00117        | 40230                 | Subsurface  | Shallow refusal at 1.25 feet bgs on sandstone with hand auger.           |
| 8N-00118        | 40232                 | Subsurface  | Shallow refusal at 0.92 feet bgs on sandstone with hand auger.           |
| 8N-00119        | 40234                 | Subsurface  | Shallow refusal at 0.75 feet bgs on sandstone with hand auger.           |
| 8N-00123        | 40241                 | Surface     | Location is within an archeological zone, no soil disturbance permitted. |
| 8N-00123        | 40242                 | Subsurface  | Location is within an archeological zone, no soil disturbance permitted. |
| 8N-00124        | 40244                 | Subsurface  | Shallow refusal at 1.5 feet bgs on sandstone with hand auger.            |
| 8N-00125        | 40246                 | Subsurface  | Shallow refusal at 1.33 feet bgs on sandstone with hand auger.           |
| 8N-00126        | 40248                 | Subsurface  | Shallow refusal at 1.0 feet bgs on sandstone with hand auger.            |
| 8N-00134        | 40206                 | Subsurface  | Shallow refusal at 1.33 feet bgs on sandstone with hand auger.           |
| 8N-00138        | 40210                 | Subsurface  | Shallow refusal at 0.58 feet bgs on sandstone with hand auger.           |
| 8N-00139        | 40212                 | Subsurface  | Shallow refusal at 0.75 feet bgs on sandstone with hand auger.           |
| 8S-00002        | 40283                 | Subsurface  | Shallow refusal at 1.2 feet bgs on sandstone with hand auger.            |
| 8S-00003        | 40285                 | Subsurface  | Shallow refusal at 1.0 feet bgs on sandstone with hand auger.            |

**Note:**

bgs - below ground surface

**Table 4**  
**Analytical Results Exceeding Radiological Trigger Levels**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Sample Depth (ft bgs) | Radionuclide Detected | Activity | RTL    | Associated Line Of Evidence  | Step-out Justification   |
|-----------------|-----------|-----------------------|-----------------------|----------|--------|--|--|
| 8N-00003        | 40006     | 1.00 - 5.00           | Sr-90                 | 0.584    | 0.485  | Possible uranium contamination from zirconium-hydride fuel pellets used in impact testing.         | Concentration of Sr-90 (0.584 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface sample collected from Location 6. Further characterize the area around the ESADA firing range and Likely Chemical Remediation Zone.                              |
| 8N-00006        | 40011     | 0.00 - 0.50           | Sr-90                 | 0.535    | 0.485  | Possible uranium contamination from zirconium-hydride fuel pellets used in impact testing.         | Concentration of Sr-90 (0.535 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 6. Further characterize the area around the ESADA firing range and Likely Chemical Remediation Zone.                            |
| 8N-00014        | 40027     | 0.00 - 0.50           | Sr-90                 | 0.957    | 0.485  | Location of an aerial photography feature "Trench".  | Concentration of Sr-90 (0.957 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 14.   |
| 8N-00015        | 40030     | 1.00 - 5.00           | Sr-90                 | 0.51     | 0.485  | Location of an aerial photography feature "Trench".  | Concentration of Sr-90 (0.51 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 15.   |
| 8N-00028        | 40056     | 1.00 - 5.00           | Sr-90                 | 2.51     | 0.485  | Geophysical anomaly "Magnetometer and Conductivity".   | Concentration of Sr-90 (2.51 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 28. Geophysical anomalies show buried ferrous metal and disturbed ground.   |
| 8N-00029        | 40057     | 0.00 - 0.50           | Sr-90                 | 1.41     | 0.485  | Geophysical anomaly "Magnetometer".  | Concentration of Sr-90 (1.41 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 29. Geophysical anomalies show buried ferrous metal.   |
| 8N-00035        | 40069     | 0.00 - 0.50           | Sr-90                 | 1.08     | 0.485  | Geophysical anomaly "Magnetometer".  | Concentration of Sr-90 (1.08 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 35. Geophysical anomalies show buried ferrous metal.   |
| 8N-00039        | 40077     | 0.00 - 0.50           | Sr-90                 | 2.34     | 0.485  | Geophysical anomaly "Conductivity" and elevated gamma measurements.                                | Concentration of Sr-90 (2.34 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 39. Gamma scanning survey results show slightly elevated measurements and the geophysical survey show areas of disturbed ground. |
| 8N-00050        | 40092     | 1.00 - 5.00           | Sr-90                 | 1.01     | 0.485  | Underground piping transported waste sodium from Building 4814 to Former Sodium Disposal Facility. | Concentration of Sr-90 (1.01 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 50. Location of underground piping which may have transported waste sodium.   |
| 8N-00055        | 40104     | 1.00 - 5.00           | Sr-90                 | 2.71     | 0.485  | Low point of the former Upper Pond.  | Concentration of Sr-90 (2.71 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 55. Location of the former Upper Pond within the Former Sodium Disposal Facility.   |
| 8N-00059        | 40112     | 1.00 - 5.00           | Am-241                | 0.0484   | 0.0454 | Aerial photo feature "Surface Water Diversion Trench".   | Concentration of Am-241 (0.0484 pCi/g) exceeded the RTL (0.0454 pCi/g) in the subsurface soil sample collected from Location 59. Location of the former surface water diversion trench within the Former Sodium Disposal Facility.                     |
| 8N-00059        | 40112     | 1.00 - 5.00           | Pu-239/240            | 0.0873   | 0.0404 | Aerial photo feature "Surface Water Diversion Trench".   | Concentration of Pu-239/240 (0.0873 pCi/g) exceeded the RTL (0.0404 pCi/g) in the subsurface soil sample collected from Location 59. Location of the former surface water diversion trench within the Former Sodium Disposal Facility.                 |
| 8N-00084        | 40161     | 1.00 - 5.00           | Sr-90                 | 0.995    | 0.485  | Aerial photo of excavation at Lower Pond.  | Concentration of Sr-90 (0.995 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 84. Aerial photo of excavation within the Former Sodium Disposal Facility.   |
| 8N-00085        | 40162     | 0.00 - 0.50           | Am-241                | 0.0514   | 0.0454 | Past environmental data.   | Concentration of Am-241 (0.0514 pCi/g) exceeded the RTL (0.0454 pCi/g) in the surface soil sample collected from Location 85.  |
| 8N-00096        | 40177     | 0.00 - 0.50           | Sr-90                 | 1.26     | 0.485  | Geophysical anomaly "Magnetometer" and Aerial Photo Feature "Fill Area".                           | Concentration of Sr-90 (1.26 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 96. Location of the former Lower Pond within the Former Sodium Disposal Facility.   |
| 8N-00097        | 40179     | 0.00 - 0.50           | Sr-90                 | 0.64     | 0.485  | Geophysical anomaly "Magnetometer" and Aerial Photo Feature "Fill Area".                           | Concentration of Sr-90 (0.64 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 97. Location of the former Lower Pond within the Former Sodium Disposal Facility.  |
| 8N-00100        | 40185     | 1.00 - 5.00           | Sr-90                 | 1.26     | 0.485  | Former leach field north of Building 4009.   | Concentration of Sr-90 (1.26 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 100. Location of the former leach field north of Building 4009.   |
| 8N-00105        | 40192     | 1.00 - 5.00           | Sr-90                 | 1.39     | 0.485  | Potential radiological contamination from holdup tank on the east side of Building 4009.           | Concentration of Sr-90 (1.39 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 105. Location of the former hold-up tank east of Building 4009.   |

**Table 4**  
**Analytical Results Exceeding Radiological Trigger Levels**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Sample Depth (ft bgs) | Radionuclide Detected | Activity | RTL    | Associated Line Of Evidence  | Step-out Justification  |
|-----------------|-----------|-----------------------|-----------------------|----------|--------|--|---|
| 8N-00120        | 40236     | 1.00 - 5.00           | Pu-239/240            | 0.0713   | 0.0404 | Potential leaching of radioactive contaminants from Building 4056 Landfill into drainage.                | Concentration of Pu-239/240 (0.0713 pCi/g) exceeded the RTL (0.0404 pCi/g) in the subsurface soil sample collected from Location 120. Location of the former leach field north of Building 4009.      |
| 8N-00122        | 40239     | 0.00 - 0.50           | Sr-90                 | 0.855    | 0.485  | Suspect potential gamma radiation anomaly.   | Concentration of Sr-90 (0.855 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 122. Gamma survey results show elevated levels.                                |
| 8N-00129        | 40201     | 1.00 - 5.00           | Sr-90                 | 0.534    | 0.485  | Surface water run-off from the vicinity of Building 4009 into Outfall 7.                                 | Concentration of Sr-90 (0.534 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 129. Potential contamination from surface water run-off from Building 4009. |
| 8N-00137        | 40253     | 0.00 - 0.50           | Cs-137                | 0.878    | 0.207  | Stakeholder Request - Delineate the edge of the Building 4056 Landfill Chemical Likely Remediation Zone. | No Step-out samples will be collected due to the location of the exceedance is located within the 56 Landfill which is a Likely Remediation Zone.   |
| 8S-00010        | 40298     | 0.00 - 0.50           | Cs-137                | 0.266    | 0.207  | Aerial photo feature, "Disturbed Soil".  | Concentration of Cs-137 (0.266 pCi/g) exceeded the RTL (0.207 pCi/g) in the surface soil sample collected from Location 10.   |
| 8S-00011        | 40300     | 0.00 - 0.50           | Cs-137                | 0.212    | 0.207  | Aerial photo feature, "Disturbed Soil".  | Concentration of Cs-137 (0.212 pCi/g) exceeded the RTL (0.207 pCi/g) in the surface soil sample collected from Location 11.   |
| 8S-00011        | 40301     | 1.00 - 5.00           | Sr-90                 | 1.5      | 0.485  | Aerial photo feature, "Disturbed Soil".  | Concentration of Sr-90 (1.5 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 11. Historical aerial photo assessment showed disturbed ground in the area.   |
| 8S-00012        | 40302     | 0.00 - 0.50           | Sr-90                 | 0.903    | 0.485  | Aerial photo feature, "Disturbed Soil".  | Concentration of Sr-90 (0.903 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 12. Historical aerial photo assessment showed disturbed ground in the area.    |
| 8S-00022        | 40322     | 0.00 - 0.50           | Sr-90                 | 1.53     | 0.485  | Aerial photo feature, "Disturbed Soil".  | Concentration of Sr-90 (1.53 pCi/g) exceeded the RTL (0.485 pCi/g) in the surface soil sample collected from Location 22. Historical aerial photo assessment showed disturbed ground in the area.     |
| 8S-00023        | 40325     | 1.00 - 5.00           | Sr-90                 | 0.873    | 0.485  | Aerial photo feature, "Disturbed Soil".  | Concentration of Sr-90 (0.873 pCi/g) exceeded the RTL (0.485 pCi/g) in the subsurface soil sample collected from Location 23. Historical aerial photo assessment showed disturbed ground in the area. |

**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

ESADA - Empire State Atomic Development Authority

ft - feet

ID - identification

pCi/g - picocuries per gram

RTL - radiological trigger level

**FIGURES**

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**Figure 1**  
**Round 1 Sample Locations**  
**Subarea 8, Round 1**  
**Santa Susana Field Laboratory**

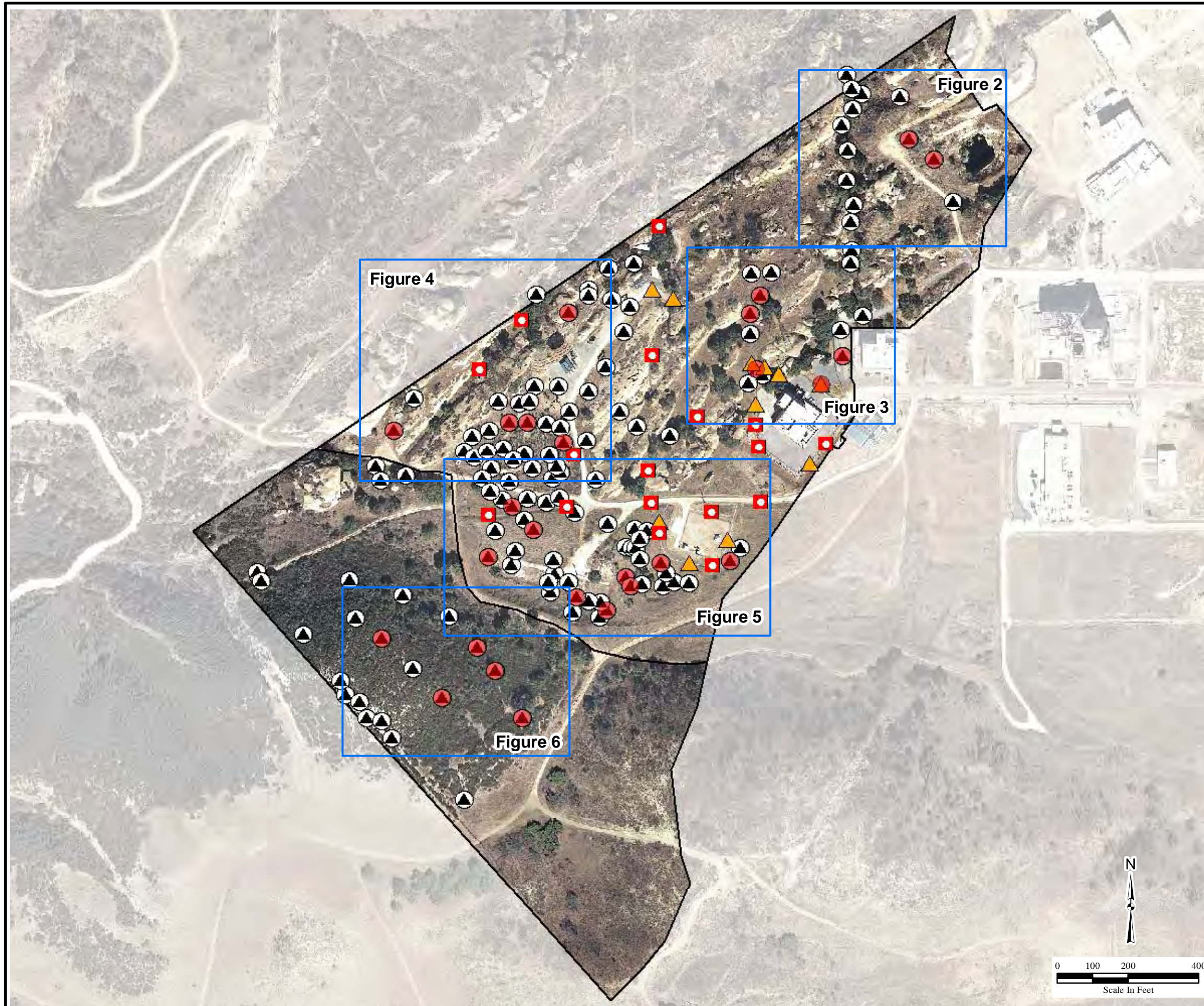
U.S. EPA Region 9



**Legend**

- Samples above RTLs
- Round 1 Soil Sample Locations**
- Drainage
- Subsurface
- Surface Subsurface
- Figure Inset
- Subareas

Notes:  
RTL - Radiological Trigger Level





**Figure 2**  
**56 Landfill Sample Locations**  
**Subarea 8, Round 1**  
**Santa Susana Field Laboratory**

**U.S. EPA Region 9**



**Legend**

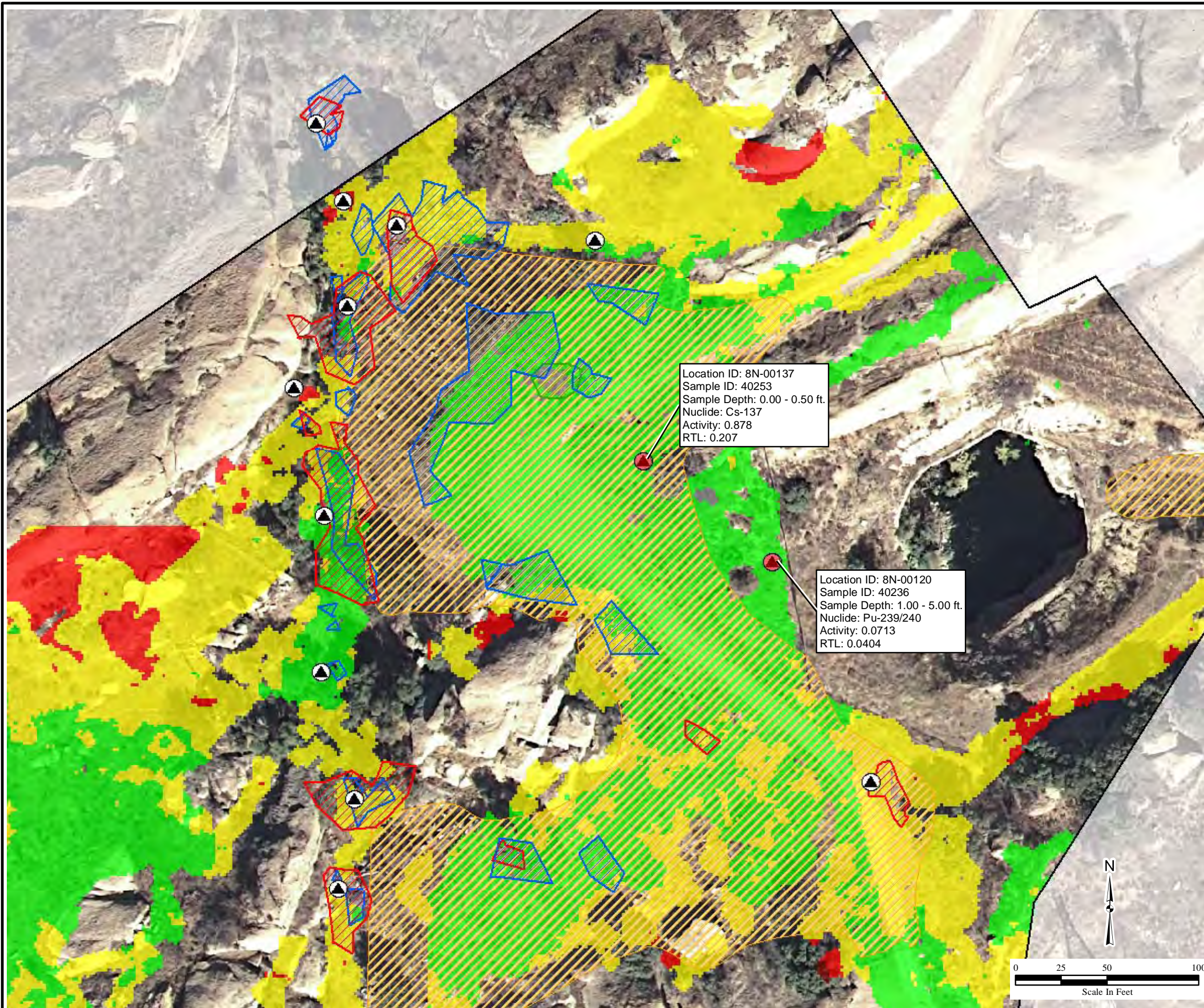
- Samples above RTLs
- Round 1 Soil Sample Locations**
  - ▲ Surface Subsurface
- Geophysical Anomalies**
  - Ground Penetrating Radar
  - Magnetometer
  - Terrain Conductivity
  - Subareas
  - Likely Chemical Remediation Zones

Standard Deviations Above the Mean Total Count Rate



**Notes:**

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





**Figure 3**  
**Building 4009 Sample Locations**  
**Subarea 8, Round 1**  
**Santa Susana Field Laboratory**

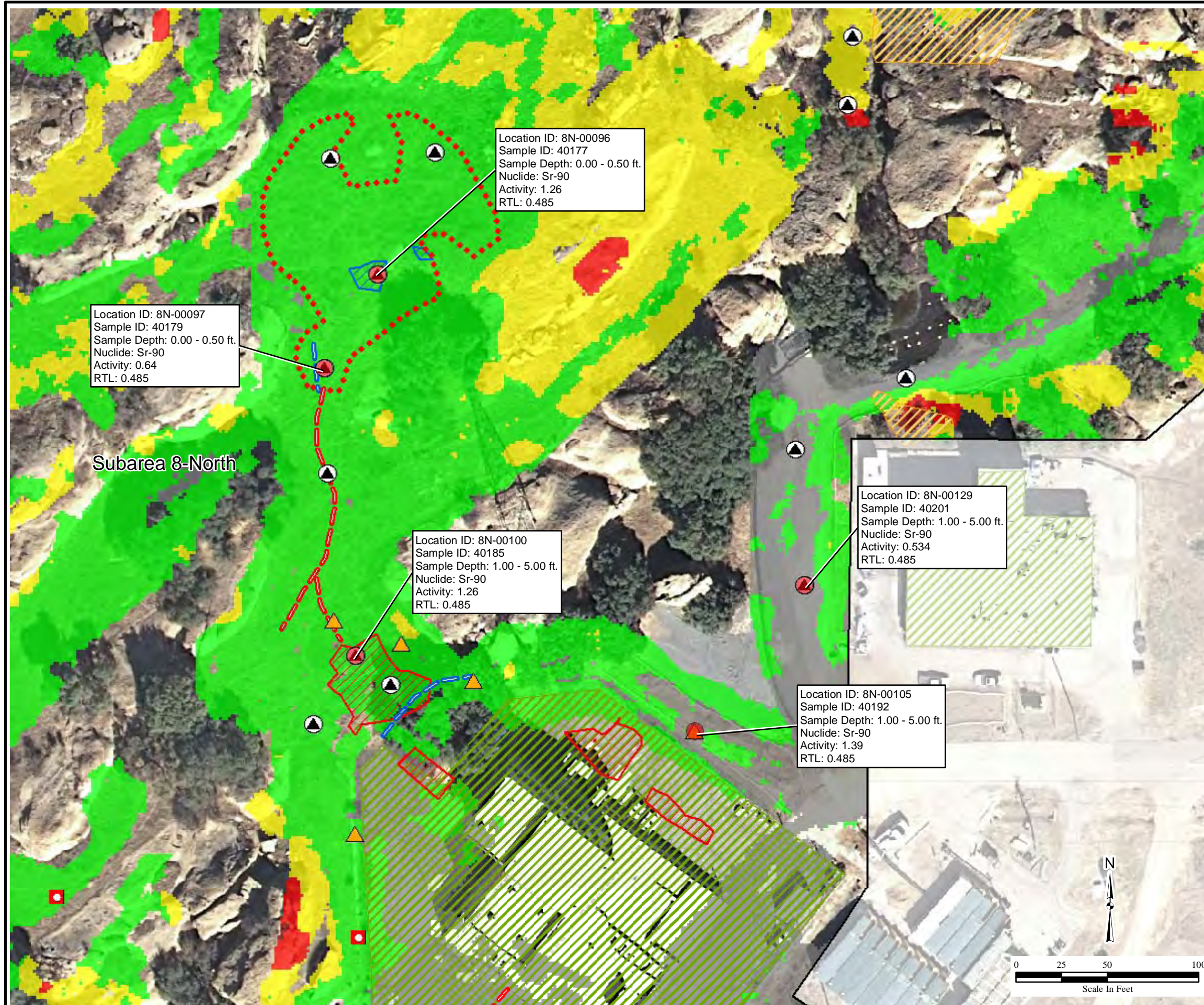
U.S. EPA Region 9



**Legend**

- Samples above RTLs
  - Round 1 Soil Sample Locations**
  - Drainage
  - ▲ Subsurface
  - ▲ Surface Subsurface
  - Geophysical Anomalies**
  - Magnetometer
  - Terrain Conductivity
  - ▨ Magnetometer
  - ▨ Terrain Conductivity
  - Terrain Conductivity Fill
  - ▭ Subareas
  - ▨ Likely Chemical Remediation Zones
  - ▨ Likely D & D Remediation Zones
- Standard Deviations Above the Mean Total Count Rate
- |   |   |   |   |
|---|---|---|---|
| 0 | 2 | 4 | 6 |
|   |   |   |   |

**Notes:**  
RTL - Radiological Trigger Level  
D & D - Decontamination and Decommissioning  
ID - Identification  
ft - Feet  
Sr - Strontium  
All data reported in picocuries per gram



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Fig3\_4009.mxd  
5/8/2012 pbillcock  
Source:HGL 2010, CIRGIS 2007



**Figure 4**  
**Former Sodium Disposal Facility**  
**Sample Locations**  
**Subarea 8, Round 1**  
**Santa Susana Field Laboratory**

U.S. EPA Region 9



**Legend**

● Samples above RTLs

**Round 1 Soil Sample Locations**

■ Drainage

▲ Subsurface

▲ Surface Subsurface

**Geophysical Anomalies**

— Magnetometer

— Terrain Conductivity

▨ Magnetometer

▨ Terrain Conductivity

▭ Subareas

▨ Likely Chemical Remediation Zones

Standard Deviations Above the Mean Total Count Rate

0 2 4 6



**Notes:**

RTL - Radiological Trigger Level

ID - Identification

ft - Feet

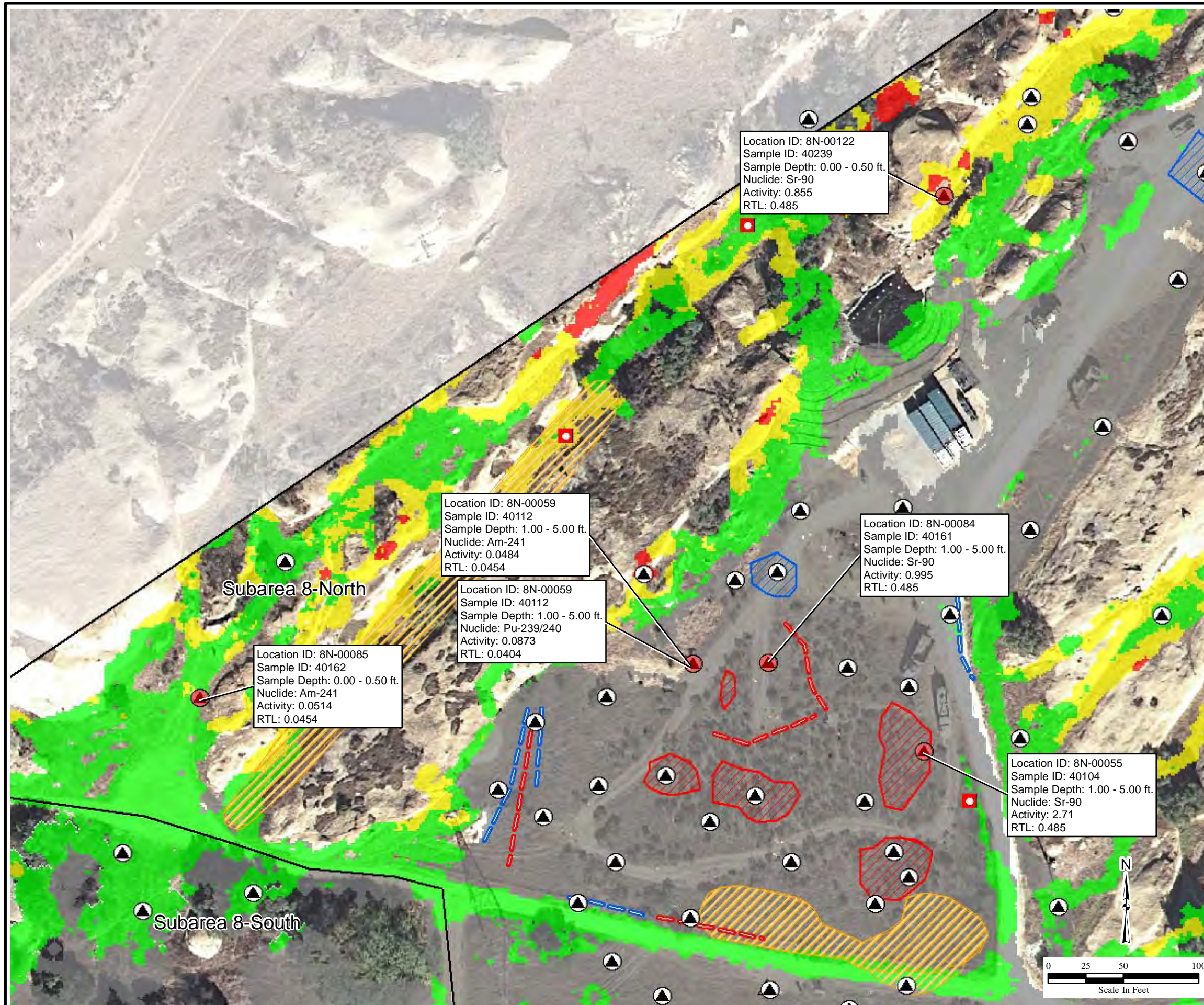
Pu - Plutonium

Sr - Strontium

Am - Americium

All data reported in picocuries per gram

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Fig4\_FSDF.mxd  
5/8/2012 pbillcock  
Source:HGL 2010, CIRGIS 2007





**Figure 5**  
**Empire State Atomic Development Authority**  
**Sample Locations**  
**Subarea 8, Round 1**  
**Santa Susana Field Laboratory**

**U.S. EPA Region 9**



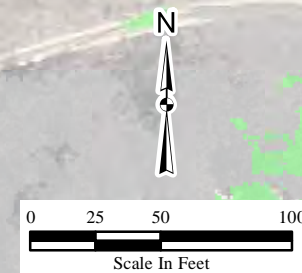
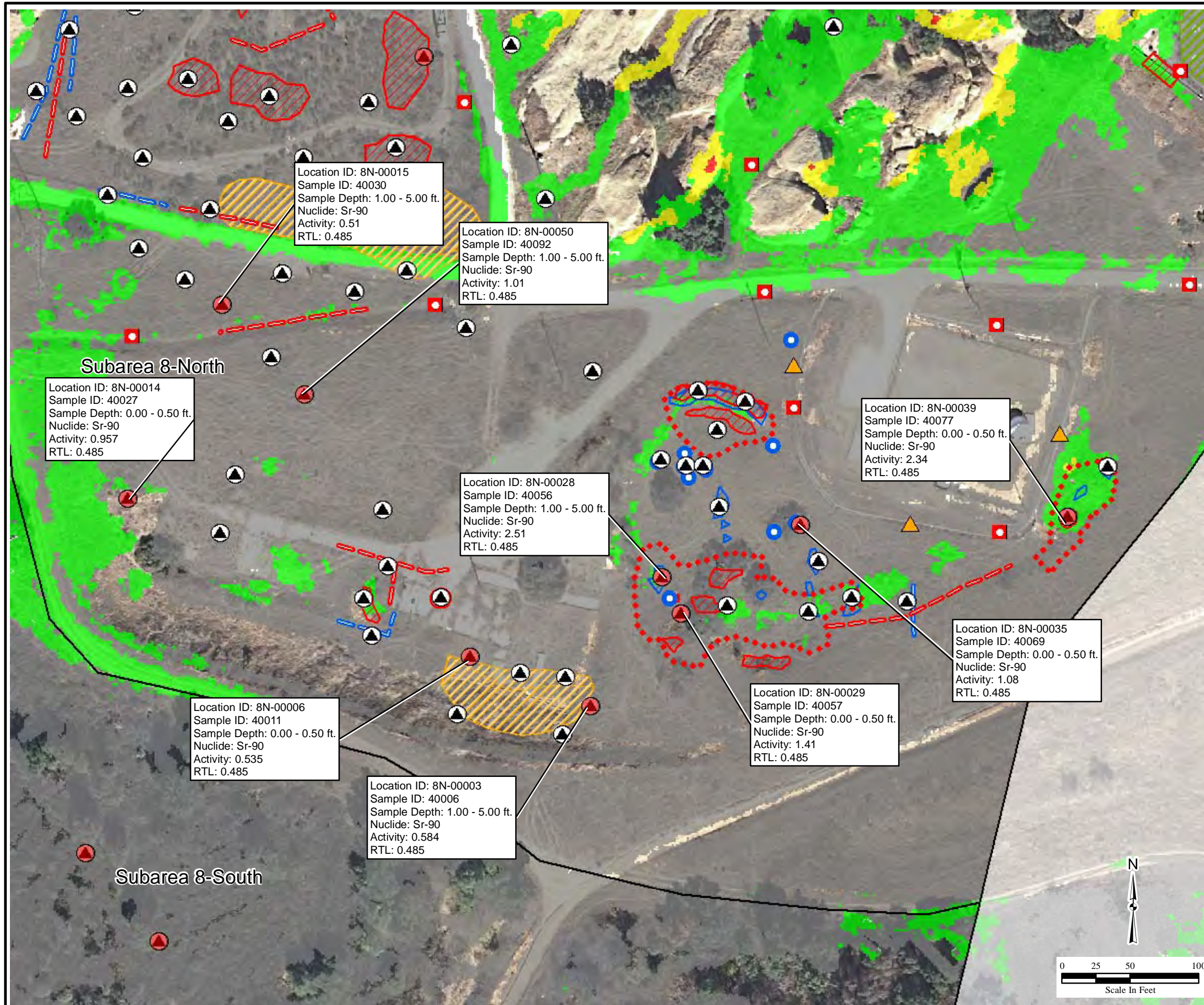
**Legend**

- Samples above RTLs
- Round 1 Soil Sample Locations**
- Drainage
- ▲ Subsurface
- ▲ Surface Subsurface
- Geophysical Anomalies**
- Magnetometer
- Magnetometer
- Terrain Conductivity
- ▨ Magnetometer
- ▨ Terrain Conductivity
- Terrain Conductivity Fill
- Subareas
- Likely Chemical Remediation Zones
- Likely D & D Remediation Zones

Standard Deviations Above the Mean Total Count Rate



**Notes:**  
RTL - Radiological Trigger Level  
D & D - Decontamination and Decommissioning  
ID - Identification  
ft - Feet  
Sr - Strontium  
All data reported in picocuries per gram



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Fig5\_ESADA.mxd  
5/8/2012 pbillcock  
Source:HGL 2010, CIRGIS 2007





**Figure 6**  
**Subarea 8 South Sample Locations**  
**Subarea 8, Round 1**  
**Santa Susana Field Laboratory**

**U.S. EPA Region 9**



**Legend**

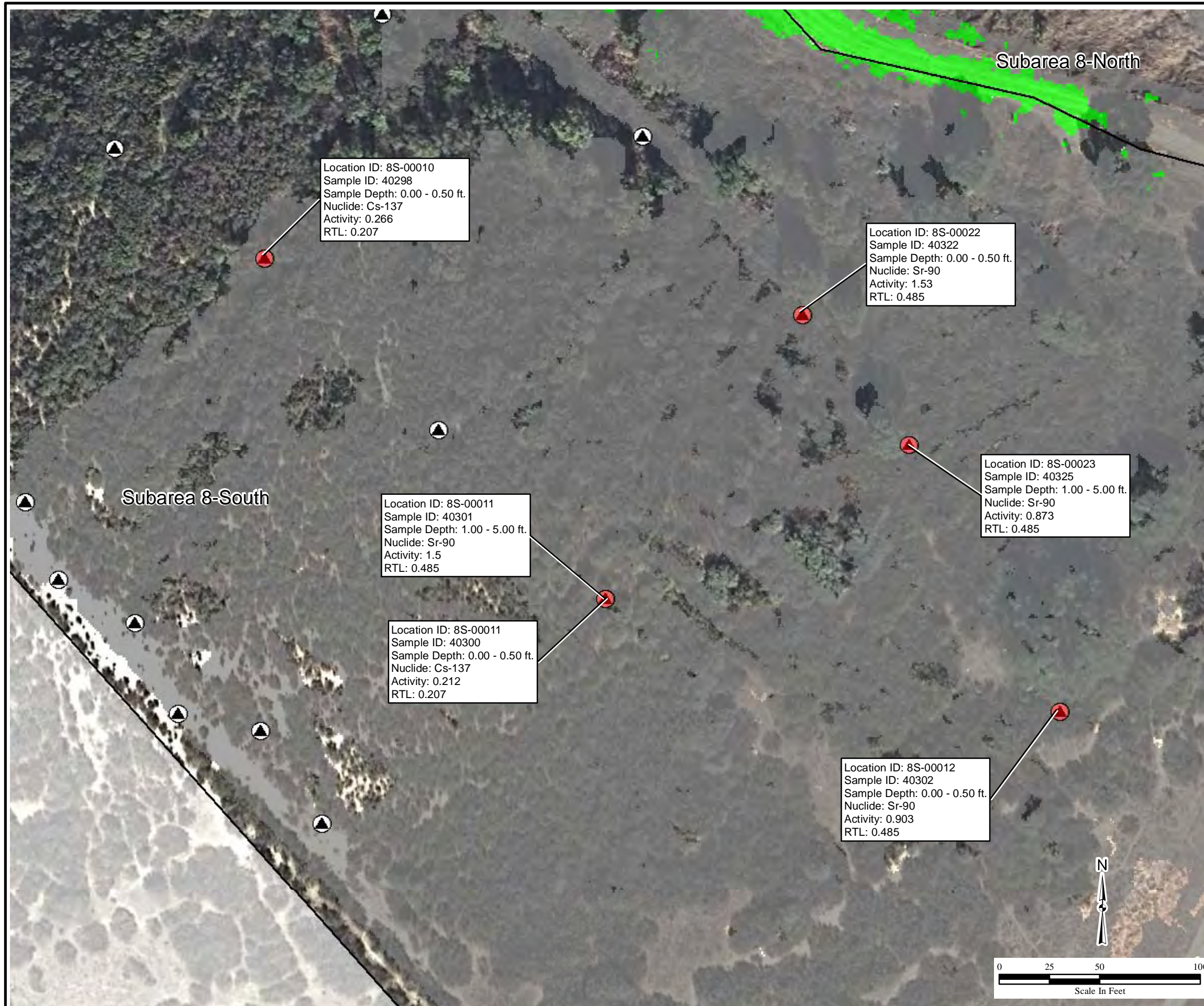
- Samples above RTLs
- Round 1 Soil Sample Locations**
  - Surface
  - Subsurface
- Subareas

Standard Deviations Above the Mean Total Count Rate



**Notes:**

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





## **ATTACHMENT 1**

### 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 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs) | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|--------------------------------------|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8N-00001        | 0-0.5                                | 1-5                                     | ML               | 10                   | NA                     | 1906161.90317561      | 6344580.47705769     |
| 8N-00002        | 0-0.5                                | 1-5                                     | ML               | 10                   | NA                     | 1906147.40156418      | 6344657.60682469     |
| 8N-00003        | 0-0.5                                | 1-5                                     | ML               | 10                   | NA                     | 1906167.75486994      | 6344678.30757069     |
| 8N-00004        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906188.99629727      | 6344659.61699128     |
| 8N-00005        | 0-0.5                                | 1-5                                     | CL               | 9                    | 9                      | 1906191.83782703      | 6344626.94021936     |
| 8N-00006        | 0-0.5                                | 1-5                                     | CL               | 9                    | 9                      | 1906203.80433851      | 6344590.50000353     |
| 8N-00007        | 0-0.5                                | 1-5                                     | CL/SP            | 7                    | 7                      | 1906218.69407251      | 6344518.51195852     |
| 8N-00008        | 0-0.5                                | 1-5                                     | ML               | 10                   | NA                     | 1906246.08870277      | 6344512.96439744     |
| 8N-00009        | 0-0.5                                | NA                                      | CL               | 1.25                 | 1.25                   | 1906247.14414686      | 6344568.99479718     |
| 8N-00010        | 0-0.5                                | 1-5                                     | CL/SC            | 10                   | NA                     | 1906269.25926010      | 6344529.90662077     |
| 8N-00011        | 0-0.5                                | 1-5                                     | CL/SC            | 10                   | NA                     | 1906310.59119843      | 6344526.22191685     |
| 8N-00012        | 0-0.5                                | 1-5                                     | ML/CL            | 7                    | 7                      | 1906422.04799652      | 6344445.05016319     |
| 8N-00013        | 0-0.5                                | 1-3                                     | ML/SP            | 3                    | 3                      | 1906293.78447352      | 6344408.21198228     |
| 8N-00014        | 0-0.5                                | 1-5                                     | ML/SM            | 5.2                  | 5.2                    | 1906318.34676035      | 6344340.72688102     |
| 8N-00015        | 0-0.5                                | 1-5                                     | ML/CL            | 6                    | 6                      | 1906459.97114901      | 6344409.14833210     |
| 8N-00016        | 0-0.5                                | 1-4                                     | ML/SP            | 4                    | 4                      | 1906478.66271269      | 6344382.32883194     |
| 8N-00017        | 0-0.5                                | 1-5                                     | CL/ML/SM/SP      | 8                    | 8                      | 1906390.66748185      | 6344363.31049727     |
| 8N-00018        | 0-0.5                                | 1-5                                     | ML/CL            | 5.5                  | 5.5                    | 1906501.16332385      | 6344348.68454227     |
| 8N-00019        | 0-0.5                                | 1-5                                     | ML/CL            | 5                    | 5                      | 1906482.52195694      | 6344453.34181328     |
| 8N-00020        | 0-0.5                                | 1-5                                     | ML/CL/ML         | 9                    | 9                      | 1906469.95308444      | 6344506.10056603     |

**Table A.1**  
**Boring Log Summary**  
**Subarea 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs) | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|--------------------------------------|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8N-00021        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906484.96519352      | 6344544.29504344     |
| 8N-00022        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906443.59650986      | 6344587.07448543     |
| 8N-00023        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906412.12281951      | 6344679.59923477     |
| 8N-00024        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906347.41133477      | 6344729.61816361     |
| 8N-00025        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906342.42873318      | 6344747.87075177     |
| 8N-00026        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906342.52190885      | 6344760.26475586     |
| 8N-00027        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906312.65615493      | 6344772.09248811     |
| 8N-00028        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906261.39871152      | 6344730.21330677     |
| 8N-00029        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906235.46109936      | 6344744.08401394     |
| 8N-00030        | 0-0.5                                | 1-5                                     | ML/CL            | 10                   | NA                     | 1906241.34888285      | 6344777.42745119     |
| 8N-00031        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906236.79935127      | 6344836.99524544     |
| 8N-00032        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906247.00766419      | 6344868.40463143     |
| 8N-00033        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906243.62709352      | 6344908.68473461     |
| 8N-00034        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906273.56502578      | 6344844.21012602     |
| 8N-00035        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906299.43800552      | 6344830.94309220     |
| 8N-00036        | 0-0.5                                | 1-5                                     | ML/CL/ML/CL      | 10                   | NA                     | 1906397.68223160      | 6344756.72900177     |
| 8N-00037        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906390.15796843      | 6344791.13542902     |
| 8N-00038        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906369.44311485      | 6344770.07969686     |
| 8N-00039        | 0-0.5                                | 1-5                                     | SM/ML/CL/ML/CL   | 10                   | NA                     | 1906305.70341293      | 6345026.28620544     |
| 8N-00040        | 0-0.5                                | 1-5                                     | SM/CL/ML         | 10                   | NA                     | 1906342.05471818      | 6345055.33864078     |

**Table A.1**  
**Boring Log Summary**  
**Subarea 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs) | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|--------------------------------------|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8N-00041        | NA                                   | 1-5                                     | CL               | 10                   | NA                     | 1906416.34787668      | 6344826.94080360     |
| 8N-00042        | NA                                   | 1-5                                     | CL               | 10                   | NA                     | 1906300.25558919      | 6344911.85959702     |
| 8N-00043        | NA                                   | 1-5                                     | CL               | 10                   | NA                     | 1906366.50151968      | 6345020.85117694     |
| 8N-00049        | 0-0.5                                | 1-5                                     | ML/SM/ML         | 9                    | 9                      | 1906336.16726276      | 6344418.74214494     |
| 8N-00050        | 0-0.5                                | 1-5                                     | ML/CL/ML         | 10                   | NA                     | 1906394.88433693      | 6344469.13902578     |
| 8N-00051        | 0-0.5                                | 1-5                                     | ML/CL            | 8.83                 | 8.83                   | 1906538.91488877      | 6344523.42041327     |
| 8N-00052        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906557.43289635      | 6344546.32423885     |
| 8N-00053        | 0-0.5                                | 1-5                                     | CL/GW/CL         | 8                    | 8                      | 1906574.24913569      | 6344535.76389253     |
| 8N-00054        | 0-0.5                                | 1-5                                     | ML/CL            | 7.25                 | 7.25                   | 1906607.38194343      | 6344516.60448202     |
| 8N-00055        | 0-0.5                                | 1-5                                     | CL               | 7                    | 7                      | 1906640.64007902      | 6344556.33996686     |
| 8N-00056        | 0-0.5                                | 1-5                                     | CL/SC/SP         | 9                    | 9                      | 1906529.47921210      | 6344400.98004135     |
| 8N-00057        | 0-0.5                                | 1-5                                     | CL               | 8                    | 8                      | 1906567.13432051      | 6344351.67534993     |
| 8N-00058        | 0-0.5                                | 1-5                                     | ML/SC/ML         | 7.5                  | 7.5                    | 1906624.52593802      | 6344384.82882695     |
| 8N-00059        | 0-0.5                                | 1-5                                     | ML               | 9.75                 | 9.75                   | 1906698.20820536      | 6344402.64014302     |
| 8N-00060        | 0-0.5                                | 1-3.5                                   | CL               | 3.5                  | 3.5                    | 1906754.11229302      | 6344430.79887935     |
| 8N-00061        | 0-0.5                                | 1-5                                     | ML               | 5.5                  | 5.5                    | 1906799.59842251      | 6344473.89623411     |
| 8N-00062        | 0-0.5                                | 1-5                                     | CL               | 7.5                  | 7.5                    | 1906758.94725710      | 6344458.69350861     |
| 8N-00063        | 0-0.5                                | 1-5                                     | ML/CL/ML         | 6.5                  | 6.5                    | 1906695.59338118      | 6344505.39584303     |
| 8N-00064        | 0-0.5                                | 1-5                                     | CL               | 5                    | 5                      | 1906683.23448202      | 6344545.76223211     |
| 8N-00065        | 0-0.5                                | 1-5                                     | CL               | 10                   | NA                     | 1906611.41900885      | 6344443.98586085     |

**Table A.1**  
**Boring Log Summary**  
**Subarea 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs)                  | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|---|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8N-00066        | 0-0.5   | NA                                      | ML               | 1.2                  | 1.5                    | 1906615.48888260      | 6344273.58003369     |
| 8N-00067        | 0-0.5   | 1-5                                     | CL/ML            | 5.5                  | 5.5                    | 1906660.19811077      | 6344298.03175644     |
| 8N-00068        | 0-0.5   | 1-5                                     | CL/ML            | 6                    | 6                      | 1906597.38163535      | 6344303.47695553     |
| 8N-00069        | 0-0.5   | 1-5                                     | ML/CL            | 9                    | 9                      | 1906617.67949502      | 6344340.39945386     |
| 8N-00070        | 0-0.5   | 1-5                                     | CL               | 10                   | NA                     | 1906593.61950377      | 6344413.93277135     |
| 8N-00071        | 0-0.5   | 1-2.75                                  | ML               | 2.75                 | 2.75                   | 1906765.83077352      | 6344132.38379377     |
| 8N-00072        | 0-0.5   | 1-3.5                                   | ML               | 3.5                  | 3.5                    | 1906787.40651777      | 6344626.71088911     |
| 8N-00073        | 0-0.5   | 1-5                                     | CL/SM            | 5.1                  | 5.1                    | 1906855.90966161      | 6344674.30495402     |
| 8N-00074        | 0-0.5   | 1-4                                     | ML/SM            | 4                    | 4                      | 1906953.44818044      | 6344724.42362019     |
| 8N-00075        | 0-0.5   | NA                                      | ML               | 1.5                  | 1.5                    | 1907023.79449643      | 6344743.21360886     |
| 8N-00076        | 0-0.5   | 1-5                                     | ML/SM/SC         | 8.5                  | 8.5                    | 1907059.34035711      | 6344479.68263985     |
| 8N-00078        | 0-0.5   | 1-5                                     | SW/ML/CL/SM      | 6                    | 6                      | 1906731.31837535      | 6344573.36125827     |
| 8N-00079        | 0-0.5   | 1-5                                     | ML/SC            | 10                   | NA                     | 1906661.91595510      | 6344855.54606135     |
| 8N-00080        | 0-0.5   | 1-5                                     | ML/CL            | 6.5                  | 6.5                    | 1906539.71967718      | 6344326.03760594     |
| 8N-00081        | <sup>2</sup> Archaeological site no sample collected. |   |                  |                      |                        |                       |                      |
| 8N-00082        | 0-0.5   | NA                                      | SM               | 0.66                 | 0.66                   | 1906686.48775636      | 6344761.15878294     |
| 8N-00083        | 0-0.5   | 1-5                                     | CL               | 7                    | 7                      | 1906676.71940319      | 6344345.65797353     |
| 8N-00084        | 0-0.5   | 1-5                                     | CL               | 10                   | NA                     | 1906699.18622176      | 6344452.47239244     |
| 8N-00085        | 0-0.5   | 1-2.5                                   | SM               | 2.5                  | 2.5                    | 1906675.55667585      | 6344075.91704319     |
| 8N-00086        | 0-0.5   | 1-5                                     | CL               | 7.5                  | 7.5                    | 1906567.27047510      | 6344468.35621895     |

**Table A.1**  
**Boring Log Summary**  
**Subarea 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs) | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|--------------------------------------|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8N-00087        | NA                                   | 1-5                                     | ML               | 10                   | NA                     | 1907073.98041968      | 6344807.75481836     |
| 8N-00088        | NA                                   | 1-4                                     | SM               | 4                    | 4                      | 1907047.28985627      | 6344867.56572236     |
| 8N-00094        | 0-0.5                                | 1-5                                     | CL/ML            | 8.5                  | 8.5                    | 1907122.78478402      | 6345142.56878127     |
| 8N-00095        | 0-0.5                                | 1-5                                     | ML/CL            | 6                    | 6                      | 1907119.37206119      | 6345085.26377778     |
| 8N-00096        | 0-0.5                                | 1-5                                     | CL/SM            | 10                   | NA                     | 1907056.35151793      | 6345110.86051136     |
| 8N-00097        | 0-0.5                                | 1-5                                     | ML/CL/CH         | 7                    | 7                      | 1907005.18429744      | 6345081.77953277     |
| 8N-00098        | 0-0.5                                | 1-5                                     | ML/CL/SM/SP      | 10                   | NA                     | 1906947.73231260      | 6345083.48589419     |
| 8N-00099        | NA                                   | 1-5                                     | CL/SM/SP         | 6                    | 6                      | 1906867.33549178      | 6345087.59809069     |
| 8N-00100        | 0-0.5                                | 1-5                                     | SP/SM            | 5                    | 5                      | 1906848.08848302      | 6345098.84675586     |
| 8N-00101        | 0-0.5                                | 1-5                                     | SP/SM/ML/SP      | 8                    | 8                      | 1906832.42512852      | 6345117.92972293     |
| 8N-00102        | 0-0.5                                | NA                                      | ML/SM            | 1.5                  | 1.5                    | 1906810.64466026      | 6345076.16110569     |
| 8N-00103        | NA                                   | 1-4                                     | SM               | 4                    | 4                      | 1906855.00382352      | 6345124.28732177     |
| 8N-00104        | NA                                   | 1-5                                     | SM/ML/CL/SP      | 10                   | NA                     | 1906834.52322143      | 6345163.94111386     |
| 8N-00105        | NA                                   | 1-5                                     | CL/SC/SW         | 7                    | 7                      | 1906807.03607169      | 6345284.65576744     |
| 8N-00106        | NA                                   | 1-3.5                                   | SC               | 3.5                  | 3.5                    | 1906750.92004219      | 6345098.85955110     |
| 8N-00109        | NA                                   | 1-5                                     | CL/SC            | 10                   | NA                     | 1906580.47254844      | 6345253.21718202     |
| 8N-00111        | 0-0.5                                | 1-4                                     | ML               | 4                    | 4                      | 1907185.51398927      | 6345370.72842994     |
| 8N-00112        | 0-0.5                                | 1-2.5                                   | ML               | 2.5                  | 2.5                    | 1907262.76186627      | 6345365.88756035     |
| 8N-00113        | 0-0.5                                | 1-5                                     | ML/SM            | 5.66                 | 5.66                   | 1907311.94746344      | 6345375.10440545     |
| 8N-00114        | 0-0.5                                | 1-4                                     | SM/CL            | 4                    | 4                      | 1907380.92239110      | 6345356.60280202     |

**Table A.1**  
**Boring Log Summary**  
**Subarea 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs)                  | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|---|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8N-00115        | 0-0.5   | 1-2.33                                  | SM               | 2.33                 | 2.33                   | 1907466.00850701      | 6345358.31703745     |
| 8N-00116        | 0-0.5   | 1-5                                     | SM/SC/SM         | 7.25                 | 7.25                   | 1907580.25106068      | 6345371.12048952     |
| 8N-00117        | 0-0.5   | NA                                      | SM               | 1.25                 | 1.25                   | 1907624.15517235      | 6345398.03250919     |
| 8N-00118        | 0-0.5   | NA                                      | SM               | 0.92                 | 0.92                   | 1907679.29876286      | 6345354.24355477     |
| 8N-00119        | 0-0.5   | NA                                      | SM               | 0.75                 | 0.75                   | 1907615.74311569      | 6345506.18485194     |
| 8N-00120        | 0-0.5   | 1-5                                     | SM/CL            | 10                   | NA                     | 1907440.43342693      | 6345602.52061728     |
| 8N-00121        | 0-0.5   | 1-2.25                                  | SM               | 2.25                 | 2.25                   | 1906757.94200978      | 6344370.21960419     |
| 8N-00122        | 0-0.5   | 1-3                                     | ML               | 3                    | 3                      | 1907008.72037961      | 6344569.34847103     |
| 8N-00123        | <sup>2</sup> Archaeological site no sample collected. |   |                  |                      |                        |                       |                      |
| 8N-00124        | 0-0.5   | NA                                      | ML               | 1.5                  | 1.5                    | 1907535.51525778      | 6345341.73373727     |
| 8N-00125        | 0-0.5   | NA                                      | ML               | 1.33                 | 1.33                   | 1907148.35527094      | 6345367.59228136     |
| 8N-00126        | 0-0.5   | NA                                      | SM               | 1                    | 1                      | 1907637.46452893      | 6345368.85769877     |
| 8N-00127        | 0-0.5   | 1-5                                     | ML/CL/SC/SW      | 7                    | 7                      | 1906999.94808744      | 6345399.63454011     |
| 8N-00128        | 0-0.5   | 1-3.5                                   | GW/ML/CL/SW      | 3.5                  | 3.5                    | 1906960.89206318      | 6345339.20388669     |
| 8N-00129        | 0-0.5   | 1-5                                     | GW/CL/SC/SP      | 7.5                  | 7.5                    | 1906886.73604351      | 6345344.26785294     |
| 8N-00133        | 0-0.5   | 1-5                                     | ML/SC            | 8                    | 8                      | 1906537.19507593      | 6344645.27712494     |
| 8N-00134        | 0-0.5   | NA                                      | SM               | 0.75                 | 0.75                   | 1906648.91696535      | 6344620.33098061     |
| 8N-00135        | 0-0.5   | 1-3                                     | ML               | 3                    | 3                      | 1907044.18061052      | 6344691.36791202     |
| 8N-00136        | 0-0.5   | 1-5                                     | SM/SP/SM/SP      | 10                   | NA                     | 1907321.16922978      | 6345656.13173052     |
| 8N-00137        | 0-0.5   | 1-5                                     | GW/SP/ML/SM/SP   | 10                   | NA                     | 1907495.64164986      | 6345532.53453678     |

**Table A.1**  
**Boring Log Summary**  
**Subarea 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs) | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|--------------------------------------|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8N-00138        | 0-0.5                                | NA                                      | SM               | 1.5                  | 1.5                    | 6344627.04586200      | 1907074.05751900     |
| 8N-00139        | 0-0.5                                | NA                                      | SM               | 0.58                 | 0.58                   | 6344624.59770400      | 1907055.75735900     |
| 8N-00140        | 0-0.5                                | 1-4                                     | ML/SC            | 4                    | 4                      | 6344754.11844300      | 1907146.96682200     |
| 8N-00141        | 0-0.5                                | 1-5                                     | ML               | 5                    | 5                      | 6344542.17660900      | 1906801.83988800     |
| 8N-00142        | NA                                   | 1-5                                     | ML/CL            | 5                    | 5                      | 6344452.01176300      | 1906484.62431500     |
| 8S-00001        | 0-0.5                                | 1-5                                     | ML               | 5.5                  | 5.5                    | 1905632.69983768      | 6344274.00424544     |
| 8S-00002        | 0-0.5                                | NA                                      | ML               | 1.2                  | 1.2                    | 1905808.11123227      | 6344070.86324753     |
| 8S-00003        | 0-0.5                                | NA                                      | ML               | 1                    | 1                      | 1905854.06258394      | 6344040.45976503     |
| 8S-00004        | 0-0.5                                | 1-5                                     | ML               | 7.33                 | 7.33                   | 1905862.54452236      | 6343999.45984703     |
| 8S-00005        | 0-0.5                                | 1-4.83                                  | ML               | 4.83                 | 4.83                   | 1905907.76588860      | 6343977.81782994     |
| 8S-00006        | 0-0.5                                | 1-5                                     | ML               | 6                    | 6                      | 1905929.38789260      | 6343939.93503170     |
| 8S-00007        | 0-0.5                                | 1-5                                     | ML               | 5.2                  | 5.2                    | 1905967.47541486      | 6343923.48165253     |
| 8S-00008        | 0-0.5                                | 1-3                                     | ML               | 3                    | 3                      | 1906003.73026361      | 6344129.04324928     |
| 8S-00009        | 0-0.5                                | 1-5                                     | ML               | 8.2                  | 8.2                    | 1906143.35826519      | 6343967.96876827     |
| 8S-00010        | 0-0.5                                | 1-5                                     | ML               | 9.66                 | 9.66                   | 1906088.96500127      | 6344042.24322602     |
| 8S-00011        | 0-0.5                                | 1-5                                     | ML               | 5                    | 5                      | 1905919.73797752      | 6344211.77208644     |
| 8S-00012        | 0-0.5                                | 1-5                                     | ML               | 6.2                  | 6.2                    | 1905863.95528069      | 6344437.98652902     |
| 8S-00013        | 0-0.5                                | 1-5                                     | ML/SM/SP         | 7.5                  | 7.5                    | 1906249.84328844      | 6343700.65762311     |
| 8S-00014        | 0-0.5                                | 1-5                                     | ML               | 8                    | 8                      | 1906264.76714310      | 6343691.79707652     |
| 8S-00015        | 0-0.5                                | 1-5                                     | ML               | 10                   | NA                     | 1906274.61358011      | 6343688.94537619     |

**Table A.1  
Boring Log Summary  
Subarea 8, Round 1**

| Sample Location | Surface Interval Collection (ft bgs) | Subsurface Interval Collection (ft bgs) | Soil Description | Total Depth (ft bgs) | Refusal Depth (ft bgs) | Northing <sup>1</sup> | Easting <sup>1</sup> |
|-----------------|--------------------------------------|---|------------------|----------------------|------------------------|-----------------------|----------------------|
| 8S-00016        | 0-0.5                                | 1-5                                     | ML               | 6.83                 | 6.83                   | 1906573.05852127      | 6344023.99687144     |
| 8S-00017        | 0-0.5                                | 1-5                                     | ML               | 5                    | 5                      | 1906546.71933511      | 6344110.76375827     |
| 8S-00018        | 0-0.5                                | 1-5                                     | ML/SP            | 8.5                  | 8.5                    | 1906534.56614418      | 6344037.67630602     |
| 8S-00019        | 0-0.5                                | 1-5                                     | SM/SP            | 6.2                  | 6.2                    | 1906253.08475177      | 6343950.71880278     |
| 8S-00020        | 0-0.5                                | 1-5                                     | SM/ML/SM         | 10                   | NA                     | 1906209.67079660      | 6344101.04527378     |
| 8S-00021        | 0-0.5                                | 1-5                                     | SM/ML/SM         | 10                   | NA                     | 1906149.06199394      | 6344230.24055344     |
| 8S-00022        | 0-0.5                                | 1-5                                     | SM/ML/SM         | 8.83                 | 8.83                   | 1906060.96801002      | 6344309.81618169     |
| 8S-00023        | 0-0.5                                | 1-5                                     | SM/ML/SM         | 9.75                 | 9.75                   | 1905996.23355943      | 6344362.95813577     |
| 8S-00024        | 0-0.5                                | 1-5                                     | ML               | 8.25                 | 8.25                   | 1906097.83374993      | 6343820.32929978     |

**Notes:**

<sup>1</sup>Northing and easting measured using NAD83 SPZ5 US Feet

<sup>2</sup>No soil disturbance allowed in an Archeological Site therefore no sample was collected.

bgs - below ground surface

CH - inorganic clays of high plasticity

CL - clay

ft - feet

GW - well graded gravel

ML - silt

NA - not applicable

SC - clayey sand

SM - silty sand

SP - poorly graded sand

SW - well graded sands, gravelly sands



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00001        | 40001     | Am-241       | 0.0051 U   | 0.025  | 0.0065 | 0.0454 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Bi-212       | 1.01       | 0.151  | 0.0947 | 2.15   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Bi-214       | 0.818      | 0.0277 | 0.0404 | 1.59   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Cd-113m      | -80.4 U    | 119    | 44.4   | 3030   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Cm-243/244   | -0.0045 U  | 0.0309 | 0.0061 | 0.0443 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Co-60        | 0.002 U    | 0.0178 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Cs-134       | 0.0044 UJ  | 0.0166 | 0.0057 | 0.0864 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Cs-137       | 0.0142     | 0.0169 | 0.0099 | 0.207  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Eu-152       | -0.0395 UJ | 0.0446 | 0.0181 | 0.0566 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Eu-154       | -0.0874 UJ | 0.0915 | 0.0352 | 0.15   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Eu-155       | 0.078 JS   | 0.0687 | 0.0269 | 0.231  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Ho-166m      | 0.0021 U   | 0.0246 | 0.0073 | 0.0432 | 0.00 - 0.50             |
| 8N-00001        | 40001     | K-40         | 20.2       | 0.121  | 1.21   | 32.4   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Na-22        | -0.0082 U  | 0.0221 | 0.007  | 0.037  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Nb-94        | 0.0017 U   | 0.0144 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Np-236       | -0.0058 U  | 0.0326 | 0.011  | 0.047  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Np-239       | 0.0039 U   | 0.12   | 0.036  | 0.139  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Pa-231       | 0.23 U     | 0.744  | 0.23   | 0.936  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Pb-212       | 1.63       | 0.037  | 0.0999 | 2.69   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Pb-214       | 0.957      | 0.0314 | 0.0479 | 1.7    | 0.00 - 0.50             |
| 8N-00001        | 40001     | Pu-238       | -0.0047 U  | 0.0195 | 0.0034 | 0.0415 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Pu-239/240   | 0.0021     | 0.0058 | 0.0022 | 0.0404 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Pu-244       | 0.0027 U   | 0.0137 | 0.0034 | 0.0313 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Sb-125       | 0.0179 U   | 0.0479 | 0.0144 | 0.354  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Sn-126       | -0.0039 U  | 0.0156 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00001        | 40001     | Sr-90        | 0.0965 U   | 0.205  | 0.0629 | 0.485  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Th-228       | 1.81       | 0.114  | 0.172  | 3.98   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Th-229       | 0.0075 U   | 0.0555 | 0.0131 | 0.145  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Th-230       | 0.798      | 0.0554 | 0.0916 | 2.2    | 0.00 - 0.50             |
| 8N-00001        | 40001     | Th-232       | 1.27       | 0.0552 | 0.124  | 3.1    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00001        | 40001     | Th-234       | 1.33 J    | 0.25   | 0.139  | 3.19   | 0.00 - 0.50             |
| 8N-00001        | 40001     | Tl-208       | 0.499     | 0.0183 | 0.0289 | 0.937  | 0.00 - 0.50             |
| 8N-00001        | 40001     | Tm-171       | 2.05 U    | 12.8   | 4.47   | 72.4   | 0.00 - 0.50             |
| 8N-00001        | 40001     | U-233/234    | 0.705     | 0.0408 | 0.0857 | 2.02   | 0.00 - 0.50             |
| 8N-00001        | 40001     | U-235/236    | 0.0598    | 0.0624 | 0.0255 | 0.151  | 0.00 - 0.50             |
| 8N-00001        | 40001     | U-238        | 0.677     | 0.0579 | 0.084  | 1.8    | 0.00 - 0.50             |
| 8N-00001        | 40002     | Ac-227       | 0.0477 U  | 0.207  | 0.0638 | 0.217  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Am-241       | 0.0006 U  | 0.0143 | 0.0028 | 0.0454 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Bi-212       | 1.01      | 0.152  | 0.0951 | 2.15   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Bi-214       | 0.879 J   | 0.0304 | 0.0432 | 1.59   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Cd-113m      | -62.3 U   | 139    | 45.6   | 3030   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Cm-243/244   | 0.0006 U  | 0.0146 | 0.0028 | 0.0443 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Co-60        | 0.0028 U  | 0.0189 | 0.0055 | 0.028  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Cs-134       | -0.0095 U | 0.0174 | 0.0066 | 0.0864 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Cs-137       | 0.0099    | 0.0175 | 0.0046 | 0.207  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Eu-152       | -0.0313 U | 0.0509 | 0.0201 | 0.0566 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Eu-154       | -0.0602 U | 0.0932 | 0.0317 | 0.15   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Eu-155       | 0.0894 JS | 0.0768 | 0.0271 | 0.231  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Ho-166m      | -0.0023 U | 0.0265 | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8N-00001        | 40002     | K-40         | 17.5      | 0.153  | 1.07   | 32.4   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Na-22        | -0.0017 U | 0.0234 | 0.0069 | 0.037  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Nb-94        | 0.0048 U  | 0.0158 | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Np-236       | -0.0016 U | 0.0399 | 0.0119 | 0.047  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Np-239       | -0.0308 U | 0.139  | 0.0432 | 0.139  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Pa-231       | -0.285 U  | 0.857  | 0.284  | 0.936  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Pb-212       | 1.77      | 0.0436 | 0.109  | 2.69   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Pb-214       | 0.991     | 0.0361 | 0.0489 | 1.7    | 1.00 - 5.00             |
| 8N-00001        | 40002     | Pu-238       | 0.0007 U  | 0.0152 | 0.003  | 0.0415 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Pu-239/240   | 0.003 U   | 0.0151 | 0.0038 | 0.0404 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Pu-244       | -0.0011 U | 0.0188 | 0.0034 | 0.0313 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00001        | 40002     | Sb-125       | -0.0242 U | 0.0517 | 0.0165 | 0.354  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Sn-126       | -0.0041 U | 0.017  | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8N-00001        | 40002     | Sr-90        | 0.023 U   | 0.327  | 0.0914 | 0.485  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Th-228       | 1.45      | 0.155  | 0.141  | 3.98   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Th-229       | 0.0305    | 0.0732 | 0.022  | 0.145  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Th-230       | 0.76      | 0.0165 | 0.0814 | 2.2    | 1.00 - 5.00             |
| 8N-00001        | 40002     | Th-232       | 1.31      | 0.0446 | 0.118  | 3.1    | 1.00 - 5.00             |
| 8N-00001        | 40002     | Th-234       | 1.43 J    | 0.314  | 0.161  | 3.19   | 1.00 - 5.00             |
| 8N-00001        | 40002     | Tl-208       | 0.538     | 0.0206 | 0.0308 | 0.937  | 1.00 - 5.00             |
| 8N-00001        | 40002     | Tm-171       | -5.15 U   | 18.7   | 6.43   | 72.4   | 1.00 - 5.00             |
| 8N-00001        | 40002     | U-233/234    | 0.598     | 0.0491 | 0.0727 | 2.02   | 1.00 - 5.00             |
| 8N-00001        | 40002     | U-235/236    | 0.0488    | 0.0427 | 0.0199 | 0.151  | 1.00 - 5.00             |
| 8N-00001        | 40002     | U-238        | 0.81      | 0.0346 | 0.0892 | 1.8    | 1.00 - 5.00             |
| 8N-00002        | 40003     | Ac-227       | 0.0415 U  | 0.208  | 0.0639 | 0.217  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Am-241       | 0.0158    | 0.0086 | 0.0071 | 0.0454 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Bi-212       | 0.998 J   | 0.161  | 0.103  | 2.15   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Bi-214       | 0.845     | 0.0299 | 0.0405 | 1.59   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Cd-113m      | -24.1 U   | 137    | 44.2   | 3030   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Cm-243/244   | 0.0009 U  | 0.0206 | 0.004  | 0.0443 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Co-60        | -0.0044 U | 0.0178 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Cs-134       | 0.0015 UJ | 0.0173 | 0.0059 | 0.0864 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Cs-137       | 0.0283    | 0.0169 | 0.0064 | 0.207  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Eu-152       | -0.0083 U | 0.0499 | 0.0193 | 0.0566 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Eu-154       | -0.0385 U | 0.0962 | 0.0301 | 0.15   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Eu-155       | 0.0191 U  | 0.0773 | 0.0234 | 0.231  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Ho-166m      | -0.0001 U | 0.0259 | 0.0078 | 0.0432 | 0.00 - 0.50             |
| 8N-00002        | 40003     | K-40         | 19.6      | 0.146  | 1.2    | 32.4   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Na-22        | -0.0049 U | 0.0233 | 0.0071 | 0.037  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Nb-94        | 0.0043 U  | 0.0155 | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Np-236       | -0.0107 U | 0.0386 | 0.0119 | 0.047  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00002        | 40003     | Np-239       | -0.0507 U | 0.133  | 0.0429 | 0.139  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Pa-231       | -0.474 U  | 0.829  | 0.32   | 0.936  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Pb-212       | 1.71      | 0.0421 | 0.105  | 2.69   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Pb-214       | 0.962     | 0.0343 | 0.0467 | 1.7    | 0.00 - 0.50             |
| 8N-00002        | 40003     | Pu-238       | 0.0047    | 0.0064 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Pu-239/240   | 0.0094    | 0.0063 | 0.0047 | 0.0404 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Pu-244       | 0         | 0.0063 | 0.0023 | 0.0313 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Sb-125       | -0.0284 U | 0.049  | 0.0162 | 0.354  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Sn-126       | -0.0045 U | 0.0163 | 0.0051 | 0.0237 | 0.00 - 0.50             |
| 8N-00002        | 40003     | Sr-90        | 0.0842    | 0.146  | 0.0463 | 0.485  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Th-228       | 1.49      | 0.0799 | 0.143  | 3.98   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Th-229       | 0.0137 U  | 0.0637 | 0.0168 | 0.145  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Th-230       | 0.746     | 0.0504 | 0.0841 | 2.2    | 0.00 - 0.50             |
| 8N-00002        | 40003     | Th-232       | 1.33      | 0.0634 | 0.123  | 3.1    | 0.00 - 0.50             |
| 8N-00002        | 40003     | Th-234       | 1.25 J    | 0.313  | 0.144  | 3.19   | 0.00 - 0.50             |
| 8N-00002        | 40003     | Tl-208       | 0.498     | 0.0204 | 0.0291 | 0.937  | 0.00 - 0.50             |
| 8N-00002        | 40003     | Tm-171       | -13.9 U   | 18.3   | 7.09   | 72.4   | 0.00 - 0.50             |
| 8N-00002        | 40003     | U-233/234    | 0.649     | 0.0332 | 0.0701 | 2.02   | 0.00 - 0.50             |
| 8N-00002        | 40003     | U-235/236    | 0.0572    | 0.0141 | 0.0177 | 0.151  | 0.00 - 0.50             |
| 8N-00002        | 40003     | U-238        | 0.611     | 0.0268 | 0.067  | 1.8    | 0.00 - 0.50             |
| 8N-00002        | 40004     | Ac-227       | -0.0929 U | 0.179  | 0.0578 | 0.217  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Am-241       | 0.0047    | 0.0063 | 0.0033 | 0.0454 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Bi-212       | 1.11      | 0.157  | 0.096  | 2.15   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Bi-214       | 0.701 J   | 0.0303 | 0.0356 | 1.59   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Cd-113m      | -14.6 U   | 119    | 36.5   | 3030   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Cm-243/244   | -0.0017 U | 0.0151 | 0.0029 | 0.0443 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Co-60        | 0.0089 U  | 0.0195 | 0.0058 | 0.028  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Cs-134       | 0.0043 U  | 0.0172 | 0.0058 | 0.0864 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Cs-137       | 0.0094 J  | 0.0185 | 0.0057 | 0.207  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Eu-152       | 0.011 U   | 0.045  | 0.0153 | 0.0566 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00002        | 40004     | Eu-154       | -0.0566 U  | 0.0981 | 0.0325 | 0.15   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Eu-155       | 0.105 JS   | 0.0645 | 0.0282 | 0.231  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Ho-166m      | -0.009 U   | 0.0266 | 0.0083 | 0.0432 | 1.00 - 5.00             |
| 8N-00002        | 40004     | K-40         | 17.2       | 0.129  | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Na-22        | -0.0079 U  | 0.0244 | 0.0076 | 0.037  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Nb-94        | 0.0012 U   | 0.015  | 0.0044 | 0.0214 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Np-236       | -0.0097 U  | 0.0332 | 0.0103 | 0.047  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Np-239       | -0.0331 U  | 0.12   | 0.0361 | 0.139  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Pa-231       | -0.0173 U  | 0.749  | 0.221  | 0.936  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Pb-212       | 1.65       | 0.0366 | 0.0988 | 2.69   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Pb-214       | 0.794      | 0.0311 | 0.0395 | 1.7    | 1.00 - 5.00             |
| 8N-00002        | 40004     | Pu-238       | -0.0031 U  | 0.0245 | 0.0043 | 0.0415 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Pu-239/240   | 0.0061     | 0.0172 | 0.0051 | 0.0404 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Pu-244       | 0          | 0.0073 | 0.0027 | 0.0313 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Sb-125       | 0.0266 JS  | 0.0498 | 0.0159 | 0.354  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Sn-126       | -0.0011 U  | 0.0167 | 0.005  | 0.0237 | 1.00 - 5.00             |
| 8N-00002        | 40004     | Sr-90        | 0.0974 U   | 0.348  | 0.102  | 0.485  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Th-228       | 1.39       | 0.0858 | 0.134  | 3.98   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Th-229       | 0.0325     | 0.0604 | 0.0196 | 0.145  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Th-230       | 1.02       | 0.0478 | 0.101  | 2.2    | 1.00 - 5.00             |
| 8N-00002        | 40004     | Th-232       | 1.25       | 0.0476 | 0.117  | 3.1    | 1.00 - 5.00             |
| 8N-00002        | 40004     | Th-234       | 1.4 J      | 0.269  | 0.158  | 3.19   | 1.00 - 5.00             |
| 8N-00002        | 40004     | Tl-208       | 0.499      | 0.0188 | 0.029  | 0.937  | 1.00 - 5.00             |
| 8N-00002        | 40004     | Tm-171       | -0.468 U   | 16.1   | 5.26   | 72.4   | 1.00 - 5.00             |
| 8N-00002        | 40004     | U-233/234    | 0.6        | 0.06   | 0.0738 | 2.02   | 1.00 - 5.00             |
| 8N-00002        | 40004     | U-235/236    | 0.0681     | 0.0185 | 0.0221 | 0.151  | 1.00 - 5.00             |
| 8N-00002        | 40004     | U-238        | 0.745      | 0.0351 | 0.0846 | 1.8    | 1.00 - 5.00             |
| 8N-00003        | 40005     | Ac-227       | -0.013 U   | 0.151  | 0.044  | 0.217  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Am-241       | -0.0116 UJ | 0.0401 | 0.0076 | 0.0454 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Bi-212       | 1          | 0.118  | 0.0814 | 2.15   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00003        | 40005     | Bi-214       | 0.612      | 0.0222 | 0.0302 | 1.59   | 0.00 - 0.50             |
| 8N-00003        | 40005     | Cd-113m      | 27.8 U     | 98.8   | 29.1   | 3030   | 0.00 - 0.50             |
| 8N-00003        | 40005     | Cm-243/244   | 0.0053 UJ  | 0.0367 | 0.0095 | 0.0443 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Co-60        | -0.0088 U  | 0.0138 | 0.0048 | 0.028  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Cs-134       | -0.0006 UJ | 0.0134 | 0.0046 | 0.0864 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Cs-137       | 0.0344     | 0.0131 | 0.0059 | 0.207  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Eu-152       | -0.0057 U  | 0.0365 | 0.0117 | 0.0566 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Eu-154       | -0.0251 U  | 0.0777 | 0.024  | 0.15   | 0.00 - 0.50             |
| 8N-00003        | 40005     | Eu-155       | 0.0486 JS  | 0.0543 | 0.0206 | 0.231  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Ho-166m      | -0.0034 U  | 0.0194 | 0.006  | 0.0432 | 0.00 - 0.50             |
| 8N-00003        | 40005     | K-40         | 15.3       | 0.106  | 0.865  | 32.4   | 0.00 - 0.50             |
| 8N-00003        | 40005     | Na-22        | 0.0016 U   | 0.0171 | 0.005  | 0.037  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Nb-94        | 0.0032 U   | 0.0119 | 0.0036 | 0.0214 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Np-236       | -0.0157 U  | 0.0268 | 0.009  | 0.047  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Np-239       | 0.0099 U   | 0.0976 | 0.0303 | 0.139  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Pa-231       | -0.126 U   | 0.581  | 0.173  | 0.936  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Pb-212       | 1.32       | 0.031  | 0.078  | 2.69   | 0.00 - 0.50             |
| 8N-00003        | 40005     | Pb-214       | 0.643      | 0.0255 | 0.0323 | 1.7    | 0.00 - 0.50             |
| 8N-00003        | 40005     | Pu-238       | 0.0034 UJ  | 0.017  | 0.0043 | 0.0415 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Pu-239/240   | 0.0068 UJ  | 0.021  | 0.006  | 0.0404 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Pu-244       | -0.0012 UJ | 0.021  | 0.0038 | 0.0313 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Sb-125       | 0.0097 U   | 0.0384 | 0.0114 | 0.354  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Sn-126       | -0.0039 U  | 0.0124 | 0.004  | 0.0237 | 0.00 - 0.50             |
| 8N-00003        | 40005     | Sr-90        | 0.134 U    | 0.263  | 0.0813 | 0.485  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Th-228       | 1.71       | 0.115  | 0.16   | 3.98   | 0.00 - 0.50             |
| 8N-00003        | 40005     | Th-229       | 0.0488     | 0.0514 | 0.0211 | 0.145  | 0.00 - 0.50             |
| 8N-00003        | 40005     | Th-230       | 0.947      | 0.0512 | 0.0986 | 2.2    | 0.00 - 0.50             |
| 8N-00003        | 40005     | Th-232       | 1.15       | 0.0188 | 0.111  | 3.1    | 0.00 - 0.50             |
| 8N-00003        | 40005     | Th-234       | 1.09 J     | 0.222  | 0.12   | 3.19   | 0.00 - 0.50             |
| 8N-00003        | 40005     | Tl-208       | 0.431      | 0.0147 | 0.0245 | 0.937  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00003        | 40005     | Tm-171       | -4.33 U   | 11.4   | 3.94   | 72.4   | 0.00 - 0.50             |
| 8N-00003        | 40005     | U-233/234    | 0.685     | 0.0356 | 0.0715 | 2.02   | 0.00 - 0.50             |
| 8N-00003        | 40005     | U-235/236    | 0.0499    | 0.0309 | 0.0169 | 0.151  | 0.00 - 0.50             |
| 8N-00003        | 40005     | U-238        | 0.792     | 0.031  | 0.0794 | 1.8    | 0.00 - 0.50             |
| 8N-00003        | 40006     | Ac-227       | -0.0911 U | 0.185  | 0.0591 | 0.217  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Am-241       | 0.0111    | 0.006  | 0.005  | 0.0454 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Bi-212       | 1.11      | 0.155  | 0.0976 | 2.15   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Bi-214       | 0.941 J   | 0.0292 | 0.0452 | 1.59   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Cd-113m      | -80.9 U   | 123    | 46.2   | 3030   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Cm-243/244   | 0.0052    | 0.0144 | 0.0043 | 0.0443 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Co-60        | 0.0046 U  | 0.0186 | 0.0053 | 0.028  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Cs-134       | -0.0082 U | 0.017  | 0.0064 | 0.0864 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Cs-137       | 0.0188    | 0.017  | 0.0069 | 0.207  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Eu-152       | 0.0005 U  | 0.0462 | 0.0147 | 0.0566 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Eu-154       | -0.0628 U | 0.0953 | 0.033  | 0.15   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Eu-155       | 0.108 JS  | 0.0651 | 0.0276 | 0.231  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Ho-166m      | -0.0088 U | 0.0256 | 0.0079 | 0.0432 | 1.00 - 5.00             |
| 8N-00003        | 40006     | K-40         | 19.6      | 0.123  | 1.11   | 32.4   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Na-22        | 0.0075 U  | 0.0224 | 0.0077 | 0.037  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Nb-94        | 0.0098 J  | 0.0154 | 0.0049 | 0.0214 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Np-236       | -0.0084 U | 0.0335 | 0.0105 | 0.047  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Np-239       | 0.0238 U  | 0.124  | 0.0364 | 0.139  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Pa-231       | -0.237 U  | 0.748  | 0.237  | 0.936  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Pb-212       | 1.8       | 0.0364 | 0.108  | 2.69   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Pb-214       | 1.09      | 0.0319 | 0.0528 | 1.7    | 1.00 - 5.00             |
| 8N-00003        | 40006     | Pu-238       | -0.0011 U | 0.032  | 0.0076 | 0.0415 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Pu-239/240   | -0.0034 U | 0.0183 | 0.0033 | 0.0404 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Pu-244       | 0.0047    | 0.0063 | 0.0033 | 0.0313 | 1.00 - 5.00             |
| 8N-00003        | 40006     | Sb-125       | 0.0302 JS | 0.0497 | 0.016  | 0.354  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Sn-126       | 0.009 J   | 0.0172 | 0.0053 | 0.0237 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00003        | 40006     | Sr-90        | 0.584      | 0.316  | 0.13   | 0.485  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Th-228       | 1.66       | 0.11   | 0.153  | 3.98   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Th-229       | 0.0191 U   | 0.0766 | 0.0212 | 0.145  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Th-230       | 0.903      | 0.0591 | 0.0936 | 2.2    | 1.00 - 5.00             |
| 8N-00003        | 40006     | Th-232       | 1.4        | 0.0172 | 0.126  | 3.1    | 1.00 - 5.00             |
| 8N-00003        | 40006     | Th-234       | 1.67       | 0.25   | 0.154  | 3.19   | 1.00 - 5.00             |
| 8N-00003        | 40006     | Tl-208       | 0.539      | 0.0191 | 0.0311 | 0.937  | 1.00 - 5.00             |
| 8N-00003        | 40006     | Tm-171       | -3.11 U    | 12.4   | 4.25   | 72.4   | 1.00 - 5.00             |
| 8N-00003        | 40006     | U-233/234    | 0.661      | 0.068  | 0.0791 | 2.02   | 1.00 - 5.00             |
| 8N-00003        | 40006     | U-235/236    | 0.0174 U   | 0.0535 | 0.0153 | 0.151  | 1.00 - 5.00             |
| 8N-00003        | 40006     | U-238        | 0.736      | 0.0717 | 0.0853 | 1.8    | 1.00 - 5.00             |
| 8N-00004        | 40007     | Ac-227       | 0.106 J    | 0.175  | 0.0577 | 0.217  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Am-241       | 0.0278     | 0.0276 | 0.0108 | 0.0454 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Bi-212       | 0.934      | 0.13   | 0.0757 | 2.15   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Bi-214       | 0.662      | 0.024  | 0.0319 | 1.59   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Cd-113m      | -97.5 UJ   | 118    | 48.3   | 3030   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Cm-243/244   | 0.0072 U   | 0.0222 | 0.0063 | 0.0443 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Co-60        | 0.0021 U   | 0.0151 | 0.0044 | 0.028  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Cs-134       | 0.144 Z    | 0.0227 | 0.0345 | 0.0864 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Cs-137       | 0.0091     | 0.0134 | 0.0052 | 0.207  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Eu-152       | 0.0269 J   | 0.0427 | 0.0271 | 0.0566 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Eu-154       | 0.0319 U   | 0.0815 | 0.0248 | 0.15   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Eu-155       | 0.0567 JS  | 0.07   | 0.0229 | 0.231  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Ho-166m      | 0.0014 U   | 0.0212 | 0.0064 | 0.0432 | 0.00 - 0.50             |
| 8N-00004        | 40007     | K-40         | 17.3       | 0.0994 | 1.13   | 32.4   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Na-22        | -0.0153 UJ | 0.0188 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Nb-94        | -0.0006 U  | 0.0121 | 0.0037 | 0.0214 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Np-236       | 0.03 JS    | 0.0341 | 0.0141 | 0.047  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Np-239       | -0.0393 U  | 0.116  | 0.0388 | 0.139  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Pa-231       | -0.468 U   | 0.703  | 0.296  | 0.936  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00004        | 40007     | Pb-212       | 1.56      | 0.0378 | 0.103  | 2.69   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Pb-214       | 0.759     | 0.0291 | 0.0384 | 1.7    | 0.00 - 0.50             |
| 8N-00004        | 40007     | Pu-238       | 0.0012 U  | 0.0175 | 0.0039 | 0.0415 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Pu-239/240   | -0.0035 U | 0.0241 | 0.0047 | 0.0404 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Pu-244       | 0.0044    | 0.006  | 0.0031 | 0.0313 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Sb-125       | -0.0087 U | 0.0432 | 0.0132 | 0.354  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Sn-126       | -0.0026 U | 0.0135 | 0.0041 | 0.0237 | 0.00 - 0.50             |
| 8N-00004        | 40007     | Sr-90        | -0.0225 U | 0.122  | 0.0295 | 0.485  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Th-228       | 1.28      | 0.135  | 0.147  | 3.98   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Th-229       | 0.0268 U  | 0.0964 | 0.0269 | 0.145  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Th-230       | 0.884     | 0.0242 | 0.104  | 2.2    | 0.00 - 0.50             |
| 8N-00004        | 40007     | Th-232       | 1.23      | 0.0655 | 0.13   | 3.1    | 0.00 - 0.50             |
| 8N-00004        | 40007     | Th-234       | 0.738 J   | 0.328  | 0.21   | 3.19   | 0.00 - 0.50             |
| 8N-00004        | 40007     | Tl-208       | 0.454     | 0.0173 | 0.0252 | 0.937  | 0.00 - 0.50             |
| 8N-00004        | 40007     | Tm-171       | 39.2 J    | 18     | 11.3   | 72.4   | 0.00 - 0.50             |
| 8N-00004        | 40007     | U-233/234    | 0.579     | 0.0106 | 0.0629 | 2.02   | 0.00 - 0.50             |
| 8N-00004        | 40007     | U-235/236    | 0.0243    | 0.0132 | 0.011  | 0.151  | 0.00 - 0.50             |
| 8N-00004        | 40007     | U-238        | 0.618     | 0.025  | 0.066  | 1.8    | 0.00 - 0.50             |
| 8N-00004        | 40008     | Ac-227       | -0.0621 U | 0.236  | 0.0722 | 0.217  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Am-241       | 0.0013 U  | 0.0177 | 0.0039 | 0.0454 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Bi-212       | 1.26      | 0.194  | 0.112  | 2.15   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Bi-214       | 1.04 J    | 0.0352 | 0.0516 | 1.59   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Cd-113m      | -12.9 U   | 161    | 48     | 3030   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Cm-243/244   | 0.0006 U  | 0.0147 | 0.0028 | 0.0443 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Co-60        | -0.0079 U | 0.0224 | 0.0069 | 0.028  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Cs-134       | 0.003 U   | 0.0222 | 0.0075 | 0.0864 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Cs-137       | -0.0294 R | 0.0192 | 0.0094 | 0.207  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Eu-152       | -0.037 U  | 0.0576 | 0.0213 | 0.0566 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Eu-154       | 0.0327 U  | 0.131  | 0.0383 | 0.15   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Eu-155       | 0.0937 JS | 0.0904 | 0.0348 | 0.231  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00004        | 40008     | Ho-166m      | -0.011 U  | 0.0315 | 0.01   | 0.0432 | 1.00 - 5.00             |
| 8N-00004        | 40008     | K-40         | 19.8      | 0.174  | 1.26   | 32.4   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Na-22        | -0.0051 U | 0.0293 | 0.0089 | 0.037  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Nb-94        | 0.0122    | 0.0194 | 0.0063 | 0.0214 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Np-236       | -0.0105 U | 0.0431 | 0.0135 | 0.047  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Np-239       | 0.0139 U  | 0.155  | 0.0456 | 0.139  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Pa-231       | -0.0235 U | 0.957  | 0.296  | 0.936  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Pb-212       | 2.01      | 0.0492 | 0.123  | 2.69   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Pb-214       | 1.17      | 0.0413 | 0.0571 | 1.7    | 1.00 - 5.00             |
| 8N-00004        | 40008     | Pu-238       | -0.0043 U | 0.029  | 0.0057 | 0.0415 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Pu-239/240   | -0.0004 U | 0.0239 | 0.005  | 0.0404 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Pu-244       | 0.006     | 0.0168 | 0.005  | 0.0313 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Sb-125       | 0.0323 JS | 0.0639 | 0.0196 | 0.354  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Sn-126       | -0.0108 U | 0.0191 | 0.0064 | 0.0237 | 1.00 - 5.00             |
| 8N-00004        | 40008     | Sr-90        | 0.0713 U  | 0.307  | 0.0894 | 0.485  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Th-228       | 1.36      | 0.127  | 0.139  | 3.98   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Th-229       | 0.0071 U  | 0.0762 | 0.0187 | 0.145  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Th-230       | 0.713     | 0.052  | 0.0827 | 2.2    | 1.00 - 5.00             |
| 8N-00004        | 40008     | Th-232       | 1.19      | 0.0519 | 0.115  | 3.1    | 1.00 - 5.00             |
| 8N-00004        | 40008     | Th-234       | 1.75 J    | 0.357  | 0.201  | 3.19   | 1.00 - 5.00             |
| 8N-00004        | 40008     | Tl-208       | 0.613     | 0.0246 | 0.0362 | 0.937  | 1.00 - 5.00             |
| 8N-00004        | 40008     | Tm-171       | -9.44 U   | 22.1   | 7.81   | 72.4   | 1.00 - 5.00             |
| 8N-00004        | 40008     | U-233/234    | 0.753     | 0.0583 | 0.0833 | 2.02   | 1.00 - 5.00             |
| 8N-00004        | 40008     | U-235/236    | 0.0607    | 0.0559 | 0.0232 | 0.151  | 1.00 - 5.00             |
| 8N-00004        | 40008     | U-238        | 0.735     | 0.0501 | 0.0815 | 1.8    | 1.00 - 5.00             |
| 8N-00005        | 40009     | Ac-227       | 0.0121 U  | 0.146  | 0.0426 | 0.217  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Am-241       | 0.0071 U  | 0.0299 | 0.0082 | 0.0454 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Bi-212       | 0.499 J   | 0.187  | 0.133  | 2.15   | 0.00 - 0.50             |
| 8N-00005        | 40009     | Bi-214       | 0.464     | 0.0234 | 0.0252 | 1.59   | 0.00 - 0.50             |
| 8N-00005        | 40009     | Cd-113m      | -23.6 U   | 95.1   | 30.9   | 3030   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00005        | 40009     | Cm-243/244   | 0.012     | 0.0224 | 0.0073 | 0.0443 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Co-60        | -0.0008 U | 0.0158 | 0.0047 | 0.028  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Cs-134       | 0.003 UJ  | 0.0142 | 0.0047 | 0.0864 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Cs-137       | 0.0222    | 0.0137 | 0.0055 | 0.207  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Eu-152       | -0.0018 U | 0.0371 | 0.0119 | 0.0566 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Eu-154       | -0.0408 U | 0.0903 | 0.0287 | 0.15   | 0.00 - 0.50             |
| 8N-00005        | 40009     | Eu-155       | 0.0266 JS | 0.054  | 0.0171 | 0.231  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Ho-166m      | -0.0023 U | 0.0205 | 0.0061 | 0.0432 | 0.00 - 0.50             |
| 8N-00005        | 40009     | K-40         | 17.2      | 0.103  | 1.05   | 32.4   | 0.00 - 0.50             |
| 8N-00005        | 40009     | Na-22        | 0.0014 U  | 0.0216 | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Nb-94        | 0.0064 J  | 0.0124 | 0.0038 | 0.0214 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Np-236       | -0.0169 U | 0.0256 | 0.0088 | 0.047  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Np-239       | -0.0141 U | 0.0963 | 0.0284 | 0.139  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Pa-231       | -0.213 U  | 0.579  | 0.18   | 0.936  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Pb-212       | 0.82      | 0.0284 | 0.0505 | 2.69   | 0.00 - 0.50             |
| 8N-00005        | 40009     | Pb-214       | 0.497     | 0.0265 | 0.0271 | 1.7    | 0.00 - 0.50             |
| 8N-00005        | 40009     | Pu-238       | 0.0024    | 0.0064 | 0.0024 | 0.0415 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Pu-239/240   | 0.006 U   | 0.0186 | 0.0053 | 0.0404 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Pu-244       | -0.0017 U | 0.015  | 0.0029 | 0.0313 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Sb-125       | 0.0119 U  | 0.0394 | 0.012  | 0.354  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Sn-126       | -0.0006 U | 0.0131 | 0.0039 | 0.0237 | 0.00 - 0.50             |
| 8N-00005        | 40009     | Sr-90        | 0.0226 U  | 0.15   | 0.0414 | 0.485  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Th-228       | 0.781     | 0.135  | 0.0994 | 3.98   | 0.00 - 0.50             |
| 8N-00005        | 40009     | Th-229       | -0.0203 U | 0.108  | 0.0244 | 0.145  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Th-230       | 0.473     | 0.0628 | 0.0644 | 2.2    | 0.00 - 0.50             |
| 8N-00005        | 40009     | Th-232       | 0.748     | 0.0183 | 0.0835 | 3.1    | 0.00 - 0.50             |
| 8N-00005        | 40009     | Th-234       | 0.625 J   | 0.216  | 0.108  | 3.19   | 0.00 - 0.50             |
| 8N-00005        | 40009     | Tl-208       | 0.251     | 0.0159 | 0.0169 | 0.937  | 0.00 - 0.50             |
| 8N-00005        | 40009     | Tm-171       | 3.18 U    | 12.7   | 4.15   | 72.4   | 0.00 - 0.50             |
| 8N-00005        | 40009     | U-233/234    | 0.393     | 0.0296 | 0.0477 | 2.02   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00005        | 40009     | U-235/236    | 0.0509     | 0.0126 | 0.0158 | 0.151  | 0.00 - 0.50             |
| 8N-00005        | 40009     | U-238        | 0.525      | 0.0102 | 0.0578 | 1.8    | 0.00 - 0.50             |
| 8N-00005        | 40010     | Ac-227       | -0.0308 U  | 0.213  | 0.0647 | 0.217  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Am-241       | 0.0048     | 0.0065 | 0.0034 | 0.0454 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Bi-212       | 1.22       | 0.187  | 0.119  | 2.15   | 1.00 - 5.00             |
| 8N-00005        | 40010     | Bi-214       | 0.822 J    | 0.0326 | 0.0415 | 1.59   | 1.00 - 5.00             |
| 8N-00005        | 40010     | Cd-113m      | 63.2 U     | 144    | 48.2   | 3030   | 1.00 - 5.00             |
| 8N-00005        | 40010     | Cm-243/244   | 0.0049     | 0.0066 | 0.0035 | 0.0443 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Co-60        | -0.001 U   | 0.0203 | 0.0059 | 0.028  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Cs-134       | 0.0028 U   | 0.0202 | 0.0068 | 0.0864 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Cs-137       | -0.0037 U  | 0.0194 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Eu-152       | -0.0677 UJ | 0.0515 | 0.0243 | 0.0566 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Eu-154       | -0.0579 U  | 0.109  | 0.0354 | 0.15   | 1.00 - 5.00             |
| 8N-00005        | 40010     | Eu-155       | 0.105 JS   | 0.0786 | 0.0372 | 0.231  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Ho-166m      | -0.0067 U  | 0.0307 | 0.0094 | 0.0432 | 1.00 - 5.00             |
| 8N-00005        | 40010     | K-40         | 18.6       | 0.137  | 1.05   | 32.4   | 1.00 - 5.00             |
| 8N-00005        | 40010     | Na-22        | -0.0129 U  | 0.0261 | 0.0085 | 0.037  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Nb-94        | 0.0114 J   | 0.0192 | 0.0061 | 0.0214 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Np-236       | 0.0182 U   | 0.0407 | 0.0129 | 0.047  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Np-239       | 0.0607 U   | 0.143  | 0.0445 | 0.139  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Pa-231       | -0.28 U    | 0.849  | 0.278  | 0.936  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Pb-212       | 1.95       | 0.0439 | 0.115  | 2.69   | 1.00 - 5.00             |
| 8N-00005        | 40010     | Pb-214       | 0.901      | 0.0364 | 0.0458 | 1.7    | 1.00 - 5.00             |
| 8N-00005        | 40010     | Pu-238       | 0.0073 U   | 0.0233 | 0.0066 | 0.0415 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Pu-239/240   | 0.0026 U   | 0.0232 | 0.0057 | 0.0404 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Pu-244       | 0.0231 J   | 0.0063 | 0.0074 | 0.0313 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Sb-125       | -0.0002 U  | 0.0575 | 0.0167 | 0.354  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Sn-126       | -0.0013 U  | 0.0191 | 0.0057 | 0.0237 | 1.00 - 5.00             |
| 8N-00005        | 40010     | Sr-90        | 0.266      | 0.352  | 0.115  | 0.485  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Th-228       | 1.84       | 0.095  | 0.169  | 3.98   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00005        | 40010     | Th-229       | 0.0139 U  | 0.0912 | 0.0241 | 0.145  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Th-230       | 0.86      | 0.0188 | 0.0925 | 2.2    | 1.00 - 5.00             |
| 8N-00005        | 40010     | Th-232       | 1.24      | 0.0642 | 0.119  | 3.1    | 1.00 - 5.00             |
| 8N-00005        | 40010     | Th-234       | 1.47 J    | 0.319  | 0.165  | 3.19   | 1.00 - 5.00             |
| 8N-00005        | 40010     | Tl-208       | 0.585     | 0.0235 | 0.035  | 0.937  | 1.00 - 5.00             |
| 8N-00005        | 40010     | Tm-171       | -15.2 UJ  | 17.2   | 7.13   | 72.4   | 1.00 - 5.00             |
| 8N-00005        | 40010     | U-233/234    | 0.738     | 0.0416 | 0.0829 | 2.02   | 1.00 - 5.00             |
| 8N-00005        | 40010     | U-235/236    | 0.0214    | 0.0415 | 0.0139 | 0.151  | 1.00 - 5.00             |
| 8N-00005        | 40010     | U-238        | 0.8       | 0.0477 | 0.0881 | 1.8    | 1.00 - 5.00             |
| 8N-00006        | 40011     | Ac-227       | -0.0314 U | 0.252  | 0.0747 | 0.217  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Am-241       | 0.0069    | 0.0133 | 0.0045 | 0.0454 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Bi-212       | 1.05 J    | 0.241  | 0.123  | 2.15   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Bi-214       | 0.792     | 0.045  | 0.0469 | 1.59   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Cd-113m      | -24.7 U   | 171    | 50.7   | 3030   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Cm-243/244   | 0.0027 U  | 0.0136 | 0.0034 | 0.0443 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Co-60        | -0.0038 U | 0.0311 | 0.0091 | 0.028  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Cs-134       | -0.0058 U | 0.0261 | 0.0089 | 0.0864 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Cs-137       | 0.0008 U  | 0.0267 | 0.0077 | 0.207  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Eu-152       | 0.0155 U  | 0.0687 | 0.0232 | 0.0566 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Eu-154       | -0.0612 U | 0.15   | 0.0485 | 0.15   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Eu-155       | 0.0985 JS | 0.0901 | 0.0353 | 0.231  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Ho-166m      | -0.0084 U | 0.0396 | 0.0119 | 0.0432 | 0.00 - 0.50             |
| 8N-00006        | 40011     | K-40         | 17.7      | 0.215  | 1.03   | 32.4   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Na-22        | -0.0199 U | 0.0332 | 0.0112 | 0.037  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Nb-94        | -0.002 U  | 0.0231 | 0.0068 | 0.0214 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Np-236       | 0.0008 U  | 0.0445 | 0.0136 | 0.047  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Np-239       | -0.0307 U | 0.166  | 0.0495 | 0.139  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Pa-231       | -0.2 U    | 1.06   | 0.32   | 0.936  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Pb-212       | 1.83      | 0.0527 | 0.109  | 2.69   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Pb-214       | 0.866     | 0.0472 | 0.0463 | 1.7    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00006        | 40011     | Pu-238       | -0.0035 U  | 0.0192 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Pu-239/240   | 0.011      | 0.0191 | 0.0065 | 0.0404 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Pu-244       | 0.0024     | 0.0066 | 0.0024 | 0.0313 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Sb-125       | -0.0219 U  | 0.0721 | 0.0227 | 0.354  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Sn-126       | -0.0084 U  | 0.025  | 0.0077 | 0.0237 | 0.00 - 0.50             |
| 8N-00006        | 40011     | Sr-90        | 0.535      | 0.195  | 0.0966 | 0.485  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Th-228       | 1.35       | 0.141  | 0.144  | 3.98   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Th-229       | 0.0758     | 0.0558 | 0.0267 | 0.145  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Th-230       | 0.772      | 0.0557 | 0.0901 | 2.2    | 0.00 - 0.50             |
| 8N-00006        | 40011     | Th-232       | 1.15       | 0.0204 | 0.116  | 3.1    | 0.00 - 0.50             |
| 8N-00006        | 40011     | Th-234       | 1.62 J     | 0.348  | 0.191  | 3.19   | 0.00 - 0.50             |
| 8N-00006        | 40011     | Tl-208       | 0.581      | 0.0315 | 0.038  | 0.937  | 0.00 - 0.50             |
| 8N-00006        | 40011     | Tm-171       | -6.7 U     | 18     | 6.3    | 72.4   | 0.00 - 0.50             |
| 8N-00006        | 40011     | U-233/234    | 0.599      | 0.0573 | 0.0771 | 2.02   | 0.00 - 0.50             |
| 8N-00006        | 40011     | U-235/236    | 0.0313     | 0.0212 | 0.0158 | 0.151  | 0.00 - 0.50             |
| 8N-00006        | 40011     | U-238        | 0.793      | 0.0403 | 0.0926 | 1.8    | 0.00 - 0.50             |
| 8N-00006        | 40012     | Ac-227       | 0.0184 U   | 0.175  | 0.0533 | 0.217  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Am-241       | -0.0034 U  | 0.0184 | 0.0033 | 0.0454 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Bi-212       | 0.922      | 0.155  | 0.0855 | 2.15   | 1.00 - 5.00             |
| 8N-00006        | 40012     | Bi-214       | 0.82 J     | 0.0265 | 0.0411 | 1.59   | 1.00 - 5.00             |
| 8N-00006        | 40012     | Cd-113m      | -0.217 U   | 119    | 36.4   | 3030   | 1.00 - 5.00             |
| 8N-00006        | 40012     | Cm-243/244   | 0.0044 U   | 0.0217 | 0.0057 | 0.0443 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Co-60        | 0.0032 U   | 0.0184 | 0.0054 | 0.028  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Cs-134       | 0.0095 JS  | 0.0164 | 0.0057 | 0.0864 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Cs-137       | -0.0127 UJ | 0.0149 | 0.0056 | 0.207  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Eu-152       | 0.0108 U   | 0.0441 | 0.0144 | 0.0566 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Eu-154       | -0.0148 U  | 0.089  | 0.0305 | 0.15   | 1.00 - 5.00             |
| 8N-00006        | 40012     | Eu-155       | 0.0475 JS  | 0.0676 | 0.0224 | 0.231  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Ho-166m      | -0.0049 U  | 0.0244 | 0.0076 | 0.0432 | 1.00 - 5.00             |
| 8N-00006        | 40012     | K-40         | 15.9       | 0.128  | 0.915  | 32.4   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00006        | 40012     | Na-22        | -0.0026 U  | 0.0221 | 0.0067 | 0.037  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Nb-94        | -0.0002 U  | 0.0142 | 0.0043 | 0.0214 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Np-236       | 0.0004 U   | 0.0325 | 0.0095 | 0.047  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Np-239       | -0.0225 U  | 0.118  | 0.0366 | 0.139  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Pa-231       | 0.216 U    | 0.735  | 0.228  | 0.936  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Pb-212       | 1.59       | 0.0365 | 0.0959 | 2.69   | 1.00 - 5.00             |
| 8N-00006        | 40012     | Pb-214       | 0.885      | 0.0307 | 0.044  | 1.7    | 1.00 - 5.00             |
| 8N-00006        | 40012     | Pu-238       | 0.0007 U   | 0.0153 | 0.003  | 0.0415 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Pu-239/240   | -0.0011 U  | 0.0188 | 0.0034 | 0.0404 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Pu-244       | 0.0031 U   | 0.0152 | 0.0038 | 0.0313 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Sb-125       | -0.0223 U  | 0.0459 | 0.0147 | 0.354  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Sn-126       | 0.0118 J   | 0.0169 | 0.0056 | 0.0237 | 1.00 - 5.00             |
| 8N-00006        | 40012     | Sr-90        | 0.0817 U   | 0.358  | 0.104  | 0.485  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Th-228       | 1.55       | 0.124  | 0.155  | 3.98   | 1.00 - 5.00             |
| 8N-00006        | 40012     | Th-229       | -0.0075 U  | 0.0899 | 0.0198 | 0.145  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Th-230       | 0.709      | 0.112  | 0.0887 | 2.2    | 1.00 - 5.00             |
| 8N-00006        | 40012     | Th-232       | 0.997      | 0.0548 | 0.105  | 3.1    | 1.00 - 5.00             |
| 8N-00006        | 40012     | Th-234       | 1.14 J     | 0.26   | 0.135  | 3.19   | 1.00 - 5.00             |
| 8N-00006        | 40012     | Tl-208       | 0.49       | 0.0191 | 0.0286 | 0.937  | 1.00 - 5.00             |
| 8N-00006        | 40012     | Tm-171       | -0.245 U   | 14.8   | 5.1    | 72.4   | 1.00 - 5.00             |
| 8N-00006        | 40012     | U-233/234    | 0.652      | 0.0435 | 0.0772 | 2.02   | 1.00 - 5.00             |
| 8N-00006        | 40012     | U-235/236    | 0.0341     | 0.0185 | 0.0155 | 0.151  | 1.00 - 5.00             |
| 8N-00006        | 40012     | U-238        | 0.708      | 0.0352 | 0.0816 | 1.8    | 1.00 - 5.00             |
| 8N-00007        | 40013     | Ac-227       | -0.0327 U  | 0.224  | 0.0674 | 0.217  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Am-241       | 0.008      | 0.0119 | 0.0044 | 0.0454 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Bi-212       | 1.01       | 0.174  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Bi-214       | 0.785      | 0.0338 | 0.0409 | 1.59   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Cd-113m      | -32.4 U    | 145    | 44     | 3030   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Cm-243/244   | 0.0024 U   | 0.0121 | 0.003  | 0.0443 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Co-60        | -0.0182 UJ | 0.0192 | 0.0076 | 0.028  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00007        | 40013     | Cs-134       | 0.0029 U  | 0.0202 | 0.0068 | 0.0864 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Cs-137       | 0.0471    | 0.0215 | 0.0092 | 0.207  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Eu-152       | -0.0168 U | 0.0548 | 0.0186 | 0.0566 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Eu-154       | 0.0273 U  | 0.114  | 0.0379 | 0.15   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Eu-155       | 0.0181 U  | 0.0833 | 0.0257 | 0.231  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Ho-166m      | -0.0042 U | 0.0308 | 0.0093 | 0.0432 | 0.00 - 0.50             |
| 8N-00007        | 40013     | K-40         | 20.3      | 0.143  | 1.26   | 32.4   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Na-22        | -0.0053 U | 0.0282 | 0.0085 | 0.037  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Nb-94        | 0.0015 U  | 0.0174 | 0.0051 | 0.0214 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Np-236       | -0.0045 U | 0.0406 | 0.0125 | 0.047  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Np-239       | 0.0565 U  | 0.15   | 0.0456 | 0.139  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Pa-231       | 0.0982 U  | 0.886  | 0.273  | 0.936  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Pb-212       | 1.67      | 0.045  | 0.109  | 2.69   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Pb-214       | 0.825     | 0.0376 | 0.0439 | 1.7    | 0.00 - 0.50             |
| 8N-00007        | 40013     | Pu-238       | 0.0012 U  | 0.0162 | 0.0036 | 0.0415 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Pu-239/240   | 0.0123    | 0.0056 | 0.0051 | 0.0404 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Pu-244       | -0.0009 U | 0.0161 | 0.0029 | 0.0313 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Sb-125       | -0.0332 U | 0.0547 | 0.0189 | 0.354  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Sn-126       | 0.0059 U  | 0.0201 | 0.006  | 0.0237 | 0.00 - 0.50             |
| 8N-00007        | 40013     | Sr-90        | 0.113 U   | 0.352  | 0.105  | 0.485  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Th-228       | 1.61 J    | 0.132  | 0.17   | 3.98   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Th-229       | 0.0177 UJ | 0.082  | 0.0217 | 0.145  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Th-230       | 0.608     | 0.0818 | 0.0845 | 2.2    | 0.00 - 0.50             |
| 8N-00007        | 40013     | Th-232       | 1.12      | 0.0647 | 0.122  | 3.1    | 0.00 - 0.50             |
| 8N-00007        | 40013     | Th-234       | 1.64 J    | 0.421  | 0.427  | 3.19   | 0.00 - 0.50             |
| 8N-00007        | 40013     | Tl-208       | 0.507     | 0.0227 | 0.03   | 0.937  | 0.00 - 0.50             |
| 8N-00007        | 40013     | Tm-171       | -23 UJ    | 20.8   | 8.52   | 72.4   | 0.00 - 0.50             |
| 8N-00007        | 40013     | U-233/234    | 0.7       | 0.0519 | 0.0865 | 2.02   | 0.00 - 0.50             |
| 8N-00007        | 40013     | U-235/236    | 0.0614    | 0.0641 | 0.0262 | 0.151  | 0.00 - 0.50             |
| 8N-00007        | 40013     | U-238        | 0.594     | 0.0419 | 0.0771 | 1.8    | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00007        | 40014     | Ac-227       | 0.0172 U   | 0.205  | 0.0616 | 0.217  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Am-241       | 0.0046 U   | 0.0268 | 0.0071 | 0.0454 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Bi-212       | 1.2        | 0.171  | 0.105  | 2.15   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Bi-214       | 0.934      | 0.031  | 0.0463 | 1.59   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Cd-113m      | 7.02 U     | 137    | 42.7   | 3030   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Cm-243/244   | 0.0081     | 0.019  | 0.0058 | 0.0443 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Co-60        | -0.0015 U  | 0.0207 | 0.0061 | 0.028  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Cs-134       | -0.0023 U  | 0.0189 | 0.0065 | 0.0864 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Cs-137       | -0.0128 UJ | 0.0182 | 0.0064 | 0.207  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Eu-152       | -0.0246 UJ | 0.0481 | 0.0182 | 0.0566 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Eu-154       | -0.0332 U  | 0.108  | 0.0327 | 0.15   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Eu-155       | 0.0866 JS  | 0.0802 | 0.0307 | 0.231  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Ho-166m      | 0.005 U    | 0.0291 | 0.0086 | 0.0432 | 1.00 - 5.00             |
| 8N-00007        | 40014     | K-40         | 20         | 0.139  | 1.12   | 32.4   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Na-22        | -0.0124 U  | 0.0241 | 0.0079 | 0.037  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Nb-94        | 0.0064 U   | 0.0169 | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Np-236       | -0.0012 U  | 0.0379 | 0.0111 | 0.047  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Np-239       | -0.0033 U  | 0.133  | 0.0401 | 0.139  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Pa-231       | -0.366 U   | 0.835  | 0.307  | 0.936  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Pb-212       | 1.82       | 0.0424 | 0.107  | 2.69   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Pb-214       | 1.04       | 0.0347 | 0.0499 | 1.7    | 1.00 - 5.00             |
| 8N-00007        | 40014     | Pu-238       | 0.0007 U   | 0.0152 | 0.003  | 0.0415 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Pu-239/240   | 0.0037 U   | 0.0188 | 0.0048 | 0.0404 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Pu-244       | 0          | 0.0065 | 0.0024 | 0.0313 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Sb-125       | 0.0149 U   | 0.0559 | 0.0164 | 0.354  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Sn-126       | -0.0004 U  | 0.0183 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8N-00007        | 40014     | Sr-90        | 0.0494 U   | 0.185  | 0.0544 | 0.485  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Th-228       | 1.58       | 0.104  | 0.15   | 3.98   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Th-229       | 0.0484     | 0.0187 | 0.0185 | 0.145  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Th-230       | 0.717      | 0.0508 | 0.0821 | 2.2    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00007        | 40014     | Th-232       | 1.27       | 0.0506 | 0.119  | 3.1    | 1.00 - 5.00             |
| 8N-00007        | 40014     | Th-234       | 1.69 J     | 0.374  | 0.427  | 3.19   | 1.00 - 5.00             |
| 8N-00007        | 40014     | Tl-208       | 0.603      | 0.0216 | 0.035  | 0.937  | 1.00 - 5.00             |
| 8N-00007        | 40014     | Tm-171       | -12.8 UJ   | 16.1   | 5.93   | 72.4   | 1.00 - 5.00             |
| 8N-00007        | 40014     | U-233/234    | 0.651      | 0.0212 | 0.0872 | 2.02   | 1.00 - 5.00             |
| 8N-00007        | 40014     | U-235/236    | 0.0676     | 0.0262 | 0.0261 | 0.151  | 1.00 - 5.00             |
| 8N-00007        | 40014     | U-238        | 0.799      | 0.0498 | 0.101  | 1.8    | 1.00 - 5.00             |
| 8N-00008        | 40015     | Ac-227       | 0.0032 U   | 0.26   | 0.0767 | 0.217  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Am-241       | -0.0011 U  | 0.0197 | 0.0036 | 0.0454 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Bi-212       | 0.993 J    | 0.265  | 0.263  | 2.15   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Bi-214       | 0.87       | 0.0354 | 0.0461 | 1.59   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Cd-113m      | -95.5 U    | 177    | 66.2   | 3030   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Cm-243/244   | -0.0018 U  | 0.0162 | 0.0031 | 0.0443 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Co-60        | 0.0021 U   | 0.0214 | 0.0062 | 0.028  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Cs-134       | 0.0685 JS  | 0.027  | 0.0182 | 0.0864 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Cs-137       | 0.0244     | 0.0204 | 0.0093 | 0.207  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Eu-152       | -0.0173 U  | 0.0632 | 0.0378 | 0.0566 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Eu-154       | -0.0024 U  | 0.119  | 0.0356 | 0.15   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Eu-155       | 0.0347 U   | 0.105  | 0.0329 | 0.231  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Ho-166m      | -0.0038 U  | 0.0319 | 0.0096 | 0.0432 | 0.00 - 0.50             |
| 8N-00008        | 40015     | K-40         | 19.3       | 0.146  | 1.26   | 32.4   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Na-22        | 0.0029 U   | 0.0281 | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Nb-94        | -0.0036 U  | 0.0179 | 0.0055 | 0.0214 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Np-236       | -0.0279 UJ | 0.0516 | 0.0172 | 0.047  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Np-239       | 0.131 J    | 0.175  | 0.0637 | 0.139  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Pa-231       | 0.231 U    | 1.07   | 0.37   | 0.936  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Pb-212       | 1.7        | 0.0531 | 0.123  | 2.69   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Pb-214       | 0.975      | 0.0436 | 0.0536 | 1.7    | 0.00 - 0.50             |
| 8N-00008        | 40015     | Pu-238       | -0.0017 U  | 0.0152 | 0.0029 | 0.0415 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Pu-239/240   | 0.0078     | 0.0151 | 0.0051 | 0.0404 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00008        | 40015     | Pu-244       | 0.0071    | 0.0064 | 0.0041 | 0.0313 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Sb-125       | 0.0078 U  | 0.0628 | 0.0186 | 0.354  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Sn-126       | -0.0004 U | 0.0202 | 0.006  | 0.0237 | 0.00 - 0.50             |
| 8N-00008        | 40015     | Sr-90        | 0.172     | 0.155  | 0.0546 | 0.485  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Th-228       | 1.45      | 0.063  | 0.14   | 3.98   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Th-229       | -0.0069 U | 0.0824 | 0.0181 | 0.145  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Th-230       | 0.855     | 0.0185 | 0.0909 | 2.2    | 0.00 - 0.50             |
| 8N-00008        | 40015     | Th-232       | 1.04      | 0.0634 | 0.104  | 3.1    | 0.00 - 0.50             |
| 8N-00008        | 40015     | Th-234       | 1.13 J    | 0.495  | 0.332  | 3.19   | 0.00 - 0.50             |
| 8N-00008        | 40015     | Tl-208       | 0.478     | 0.0235 | 0.0297 | 0.937  | 0.00 - 0.50             |
| 8N-00008        | 40015     | Tm-171       | 24.1 J    | 30.6   | 12.1   | 72.4   | 0.00 - 0.50             |
| 8N-00008        | 40015     | U-233/234    | 0.587     | 0.0119 | 0.0659 | 2.02   | 0.00 - 0.50             |
| 8N-00008        | 40015     | U-235/236    | 0.0464    | 0.0428 | 0.0183 | 0.151  | 0.00 - 0.50             |
| 8N-00008        | 40015     | U-238        | 0.757     | 0.0346 | 0.0795 | 1.8    | 0.00 - 0.50             |
| 8N-00008        | 40016     | Ac-227       | 0.0811 U  | 0.172  | 0.0547 | 0.217  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Am-241       | 0.0042    | 0.0056 | 0.0029 | 0.0454 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Bi-212       | 1.1       | 0.137  | 0.088  | 2.15   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Bi-214       | 0.836 J   | 0.0255 | 0.0402 | 1.59   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Cd-113m      | -6.12 U   | 113    | 37.2   | 3030   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Cm-243/244   | 0.0021    | 0.0057 | 0.0021 | 0.0443 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Co-60        | 0.0046 U  | 0.0164 | 0.0049 | 0.028  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Cs-134       | 0.0038 U  | 0.0156 | 0.0054 | 0.0864 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Cs-137       | 0.0229    | 0.0171 | 0.007  | 0.207  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Eu-152       | -0.0181 U | 0.0413 | 0.0166 | 0.0566 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Eu-154       | -0.0468 U | 0.0837 | 0.0276 | 0.15   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Eu-155       | 0.0655 JS | 0.0624 | 0.0247 | 0.231  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Ho-166m      | 0.0016 U  | 0.023  | 0.0069 | 0.0432 | 1.00 - 5.00             |
| 8N-00008        | 40016     | K-40         | 19.2      | 0.113  | 1.15   | 32.4   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Na-22        | -0.0064 U | 0.0206 | 0.0064 | 0.037  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Nb-94        | 0.0039 U  | 0.0132 | 0.004  | 0.0214 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00008        | 40016     | Np-236       | -0.0164 U  | 0.0318 | 0.0105 | 0.047  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Np-239       | -0.0095 U  | 0.112  | 0.0339 | 0.139  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Pa-231       | 0.342 U    | 0.716  | 0.229  | 0.936  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Pb-212       | 1.64       | 0.0352 | 0.1    | 2.69   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Pb-214       | 0.987      | 0.0295 | 0.0491 | 1.7    | 1.00 - 5.00             |
| 8N-00008        | 40016     | Pu-238       | 0.0024     | 0.0064 | 0.0024 | 0.0415 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Pu-239/240   | 0.0071     | 0.0064 | 0.0041 | 0.0404 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Pu-244       | 0.0024     | 0.0064 | 0.0024 | 0.0313 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Sb-125       | 0.0219 JS  | 0.0439 | 0.0136 | 0.354  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Sn-126       | 0.0023 U   | 0.0145 | 0.0044 | 0.0237 | 1.00 - 5.00             |
| 8N-00008        | 40016     | Sr-90        | 0.197 U    | 0.335  | 0.105  | 0.485  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Th-228       | 1.38       | 0.143  | 0.136  | 3.98   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Th-229       | 0.0311     | 0.0458 | 0.0166 | 0.145  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Th-230       | 0.931      | 0.0577 | 0.0947 | 2.2    | 1.00 - 5.00             |
| 8N-00008        | 40016     | Th-232       | 1.29       | 0.0456 | 0.118  | 3.1    | 1.00 - 5.00             |
| 8N-00008        | 40016     | Th-234       | 1.39       | 0.247  | 0.129  | 3.19   | 1.00 - 5.00             |
| 8N-00008        | 40016     | Tl-208       | 0.481      | 0.0174 | 0.0271 | 0.937  | 1.00 - 5.00             |
| 8N-00008        | 40016     | Tm-171       | -2.25 U    | 12     | 4.24   | 72.4   | 1.00 - 5.00             |
| 8N-00008        | 40016     | U-233/234    | 0.576      | 0.0642 | 0.0758 | 2.02   | 1.00 - 5.00             |
| 8N-00008        | 40016     | U-235/236    | 0.0146 UJ  | 0.0716 | 0.0187 | 0.151  | 1.00 - 5.00             |
| 8N-00008        | 40016     | U-238        | 0.911      | 0.0408 | 0.103  | 1.8    | 1.00 - 5.00             |
| 8N-00009        | 40017     | Ac-227       | 0.0779 U   | 0.17   | 0.0543 | 0.217  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Am-241       | 0.002      | 0.0054 | 0.002  | 0.0454 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Bi-212       | 1.04       | 0.146  | 0.0921 | 2.15   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Bi-214       | 0.703      | 0.0267 | 0.0353 | 1.59   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Cd-113m      | 36 U       | 116    | 36.1   | 3030   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Cm-243/244   | 0.0011 U   | 0.0161 | 0.0036 | 0.0443 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Co-60        | 0.0034 U   | 0.0173 | 0.0051 | 0.028  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Cs-134       | 0.0038 U   | 0.0153 | 0.0052 | 0.0864 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Cs-137       | -0.0149 UJ | 0.0152 | 0.006  | 0.207  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00009        | 40017     | Eu-152       | -0.0156 U  | 0.0415 | 0.0137 | 0.0566 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Eu-154       | 0.063 J    | 0.0914 | 0.0322 | 0.15   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Eu-155       | 0.101 JS   | 0.0615 | 0.0282 | 0.231  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Ho-166m      | 0.0004 U   | 0.0236 | 0.0071 | 0.0432 | 0.00 - 0.50             |
| 8N-00009        | 40017     | K-40         | 17.3       | 0.124  | 0.991  | 32.4   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Na-22        | -0.004 U   | 0.0207 | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Nb-94        | 0.0056 U   | 0.0142 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Np-236       | -0.0318 UJ | 0.0304 | 0.0119 | 0.047  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Np-239       | 0.0245 U   | 0.112  | 0.0343 | 0.139  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Pa-231       | 0.281 U    | 0.693  | 0.219  | 0.936  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Pb-212       | 1.67       | 0.0355 | 0.0998 | 2.69   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Pb-214       | 0.804      | 0.0284 | 0.0406 | 1.7    | 0.00 - 0.50             |
| 8N-00009        | 40017     | Pu-238       | -0.0005 U  | 0.0272 | 0.0057 | 0.0415 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Pu-239/240   | 0.0055 U   | 0.0271 | 0.0071 | 0.0404 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Pu-244       | 0.0038 U   | 0.0191 | 0.0048 | 0.0313 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Sb-125       | 0.0089 U   | 0.0451 | 0.0132 | 0.354  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Sn-126       | -0.0002 U  | 0.015  | 0.0045 | 0.0237 | 0.00 - 0.50             |
| 8N-00009        | 40017     | Sr-90        | 0.102 U    | 0.163  | 0.0519 | 0.485  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Th-228       | 1.76       | 0.115  | 0.162  | 3.98   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Th-229       | 0.035      | 0.0651 | 0.0211 | 0.145  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Th-230       | 0.909      | 0.0515 | 0.0956 | 2.2    | 0.00 - 0.50             |
| 8N-00009        | 40017     | Th-232       | 1.37       | 0.0189 | 0.125  | 3.1    | 0.00 - 0.50             |
| 8N-00009        | 40017     | Th-234       | 1.3 J      | 0.256  | 0.148  | 3.19   | 0.00 - 0.50             |
| 8N-00009        | 40017     | Tl-208       | 0.509      | 0.018  | 0.0294 | 0.937  | 0.00 - 0.50             |
| 8N-00009        | 40017     | Tm-171       | -3.06 U    | 14     | 4.9    | 72.4   | 0.00 - 0.50             |
| 8N-00009        | 40017     | U-233/234    | 0.681      | 0.0535 | 0.0753 | 2.02   | 0.00 - 0.50             |
| 8N-00009        | 40017     | U-235/236    | 0.0362     | 0.0617 | 0.0203 | 0.151  | 0.00 - 0.50             |
| 8N-00009        | 40017     | U-238        | 0.756      | 0.0124 | 0.0801 | 1.8    | 0.00 - 0.50             |
| 8N-00010        | 40019     | Ac-227       | 0.0335 U   | 0.188  | 0.0579 | 0.217  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Am-241       | 0.0055     | 0.0075 | 0.0039 | 0.0454 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00010        | 40019     | Bi-212       | 1.04 J    | 0.197  | 0.108  | 2.15   | 0.00 - 0.50             |
| 8N-00010        | 40019     | Bi-214       | 0.848     | 0.0338 | 0.0435 | 1.59   | 0.00 - 0.50             |
| 8N-00010        | 40019     | Cd-113m      | 56.6 U    | 130    | 43.4   | 3030   | 0.00 - 0.50             |
| 8N-00010        | 40019     | Cm-243/244   | 0.0064    | 0.018  | 0.0053 | 0.0443 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Co-60        | -0.0047 U | 0.0233 | 0.0069 | 0.028  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Cs-134       | 0.0065 U  | 0.021  | 0.0072 | 0.0864 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Cs-137       | 0.0197    | 0.0236 | 0.0099 | 0.207  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Eu-152       | -0.0033 U | 0.0497 | 0.0165 | 0.0566 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Eu-154       | -0.0476 U | 0.12   | 0.0381 | 0.15   | 0.00 - 0.50             |
| 8N-00010        | 40019     | Eu-155       | 0.0775 JS | 0.0569 | 0.026  | 0.231  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Ho-166m      | -0.0016 U | 0.0313 | 0.009  | 0.0432 | 0.00 - 0.50             |
| 8N-00010        | 40019     | K-40         | 18.6      | 0.151  | 1.03   | 32.4   | 0.00 - 0.50             |
| 8N-00010        | 40019     | Na-22        | 0.0009 U  | 0.0293 | 0.0084 | 0.037  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Nb-94        | 0.0096 J  | 0.0186 | 0.0056 | 0.0214 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Np-236       | 0.0006 UJ | 0.0297 | 0.0087 | 0.047  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Np-239       | -0.0353 U | 0.117  | 0.0371 | 0.139  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Pa-231       | 0.297 U   | 0.781  | 0.247  | 0.936  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Pb-212       | 1.64      | 0.0378 | 0.0928 | 2.69   | 0.00 - 0.50             |
| 8N-00010        | 40019     | Pb-214       | 0.896     | 0.0338 | 0.0427 | 1.7    | 0.00 - 0.50             |
| 8N-00010        | 40019     | Pu-238       | -0.0047 U | 0.0195 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Pu-239/240   | 0.0049    | 0.0137 | 0.004  | 0.0404 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Pu-244       | 0.0049    | 0.0137 | 0.004  | 0.0313 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Sb-125       | -0.0102 U | 0.0542 | 0.0163 | 0.354  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Sn-126       | 0.0092 U  | 0.0215 | 0.0064 | 0.0237 | 0.00 - 0.50             |
| 8N-00010        | 40019     | Sr-90        | 0.059 U   | 0.173  | 0.0515 | 0.485  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Th-228       | 1.54      | 0.121  | 0.147  | 3.98   | 0.00 - 0.50             |
| 8N-00010        | 40019     | Th-229       | 0.0344    | 0.0742 | 0.0229 | 0.145  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Th-230       | 0.804     | 0.0506 | 0.0879 | 2.2    | 0.00 - 0.50             |
| 8N-00010        | 40019     | Th-232       | 1.03      | 0.0186 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8N-00010        | 40019     | Th-234       | 1.27      | 0.21   | 0.12   | 3.19   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00010        | 40019     | Tl-208       | 0.567      | 0.0233 | 0.034  | 0.937  | 0.00 - 0.50             |
| 8N-00010        | 40019     | Tm-171       | -0.299 U   | 8.23   | 2.63   | 72.4   | 0.00 - 0.50             |
| 8N-00010        | 40019     | U-233/234    | 0.694      | 0.06   | 0.0797 | 2.02   | 0.00 - 0.50             |
| 8N-00010        | 40019     | U-235/236    | 0.0526     | 0.0405 | 0.02   | 0.151  | 0.00 - 0.50             |
| 8N-00010        | 40019     | U-238        | 0.693      | 0.0465 | 0.079  | 1.8    | 0.00 - 0.50             |
| 8N-00010        | 40020     | Ac-227       | -0.167 UJ  | 0.197  | 0.0723 | 0.217  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Am-241       | 0.0006 U   | 0.0142 | 0.0028 | 0.0454 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Bi-212       | 1.11 J     | 0.175  | 0.113  | 2.15   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Bi-214       | 0.992      | 0.0303 | 0.0476 | 1.59   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Cd-113m      | -57.4 U    | 135    | 46.1   | 3030   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Cm-243/244   | 0.0081     | 0.018  | 0.0056 | 0.0443 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Co-60        | -0.0191 UJ | 0.0178 | 0.0074 | 0.028  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Cs-134       | 0.0073 U   | 0.0194 | 0.0065 | 0.0864 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Cs-137       | -0.0095 U  | 0.017  | 0.0063 | 0.207  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Eu-152       | -0.0099 UJ | 0.0502 | 0.0188 | 0.0566 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Eu-154       | -0.0714 U  | 0.104  | 0.0364 | 0.15   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Eu-155       | 0.0985 JS  | 0.0752 | 0.0361 | 0.231  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Ho-166m      | -0.0124 U  | 0.0275 | 0.0087 | 0.0432 | 1.00 - 5.00             |
| 8N-00010        | 40020     | K-40         | 19.7       | 0.133  | 1.14   | 32.4   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Na-22        | 0.0027 U   | 0.0249 | 0.0074 | 0.037  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Nb-94        | -0.0037 U  | 0.0159 | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Np-236       | -0.0257 U  | 0.0378 | 0.0131 | 0.047  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Np-239       | 0.0211 U   | 0.134  | 0.0398 | 0.139  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Pa-231       | -0.403 U   | 0.826  | 0.269  | 0.936  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Pb-212       | 2.02       | 0.0422 | 0.128  | 2.69   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Pb-214       | 1.07       | 0.0338 | 0.0543 | 1.7    | 1.00 - 5.00             |
| 8N-00010        | 40020     | Pu-238       | 0.0035 U   | 0.0175 | 0.0044 | 0.0415 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Pu-239/240   | -0.0056 U  | 0.0338 | 0.007  | 0.0404 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Pu-244       | 0          | 0.0074 | 0.0027 | 0.0313 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Sb-125       | -0.0009 U  | 0.0535 | 0.0161 | 0.354  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00010        | 40020     | Sn-126       | -0.0091 U | 0.0177 | 0.0057 | 0.0237 | 1.00 - 5.00             |
| 8N-00010        | 40020     | Sr-90        | 0.048 U   | 0.205  | 0.06   | 0.485  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Th-228       | 1.82      | 0.0934 | 0.166  | 3.98   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Th-229       | 0.0347    | 0.0511 | 0.0185 | 0.145  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Th-230       | 0.734     | 0.0643 | 0.0842 | 2.2    | 1.00 - 5.00             |
| 8N-00010        | 40020     | Th-232       | 1.38      | 0.0641 | 0.127  | 3.1    | 1.00 - 5.00             |
| 8N-00010        | 40020     | Th-234       | 1.86      | 0.301  | 0.185  | 3.19   | 1.00 - 5.00             |
| 8N-00010        | 40020     | Tl-208       | 0.634     | 0.0217 | 0.0367 | 0.937  | 1.00 - 5.00             |
| 8N-00010        | 40020     | Tm-171       | -3.25 U   | 15.9   | 5.61   | 72.4   | 1.00 - 5.00             |
| 8N-00010        | 40020     | U-233/234    | 0.673     | 0.0142 | 0.077  | 2.02   | 1.00 - 5.00             |
| 8N-00010        | 40020     | U-235/236    | 0.0259    | 0.0176 | 0.0131 | 0.151  | 1.00 - 5.00             |
| 8N-00010        | 40020     | U-238        | 0.763     | 0.0413 | 0.0846 | 1.8    | 1.00 - 5.00             |
| 8N-00011        | 40021     | Ac-227       | -0.0311 U | 0.176  | 0.054  | 0.217  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Am-241       | 0.0019    | 0.0053 | 0.0019 | 0.0454 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Bi-212       | 1.04      | 0.147  | 0.0931 | 2.15   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Bi-214       | 0.861     | 0.0258 | 0.0409 | 1.59   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Cd-113m      | -30.8 U   | 118    | 38.2   | 3030   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Cm-243/244   | 0.0065    | 0.0126 | 0.0042 | 0.0443 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Co-60        | 0.008 U   | 0.0174 | 0.0053 | 0.028  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Cs-134       | -0.0013 U | 0.0158 | 0.0055 | 0.0864 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Cs-137       | 0.03      | 0.0179 | 0.0061 | 0.207  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Eu-152       | -0.0069 U | 0.0432 | 0.0166 | 0.0566 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Eu-154       | -0.0279 U | 0.0941 | 0.0288 | 0.15   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Eu-155       | 0.107 JS  | 0.0635 | 0.0281 | 0.231  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Ho-166m      | -0.018 UJ | 0.0227 | 0.0083 | 0.0432 | 0.00 - 0.50             |
| 8N-00011        | 40021     | K-40         | 20.4      | 0.115  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Na-22        | 0.0124 J  | 0.0216 | 0.0077 | 0.037  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Nb-94        | -0.0034 U | 0.014  | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Np-236       | -0.0133 U | 0.0325 | 0.0104 | 0.047  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Np-239       | -0.0436 U | 0.117  | 0.0371 | 0.139  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00011        | 40021     | Pa-231       | -0.24 U    | 0.713  | 0.235  | 0.936  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Pb-212       | 1.66       | 0.0365 | 0.102  | 2.69   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Pb-214       | 0.95       | 0.0302 | 0.0477 | 1.7    | 0.00 - 0.50             |
| 8N-00011        | 40021     | Pu-238       | 0.0006 U   | 0.0142 | 0.0027 | 0.0415 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Pu-239/240   | 0.0041 U   | 0.02   | 0.0052 | 0.0404 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Pu-244       | 0.0123     | 0.0174 | 0.0063 | 0.0313 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Sb-125       | -0.0072 U  | 0.0458 | 0.0136 | 0.354  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Sn-126       | -0.0027 U  | 0.0155 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00011        | 40021     | Sr-90        | 0.0271 U   | 0.102  | 0.0291 | 0.485  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Th-228       | 1.56 J     | 0.178  | 0.167  | 3.98   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Th-229       | 0.0172 U   | 0.0926 | 0.0244 | 0.145  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Th-230       | 0.729      | 0.0632 | 0.0918 | 2.2    | 0.00 - 0.50             |
| 8N-00011        | 40021     | Th-232       | 1.16       | 0.0232 | 0.123  | 3.1    | 0.00 - 0.50             |
| 8N-00011        | 40021     | Th-234       | 1.44       | 0.256  | 0.134  | 3.19   | 0.00 - 0.50             |
| 8N-00011        | 40021     | Tl-208       | 0.49       | 0.0173 | 0.0282 | 0.937  | 0.00 - 0.50             |
| 8N-00011        | 40021     | Tm-171       | -5.06 U    | 12.5   | 4.56   | 72.4   | 0.00 - 0.50             |
| 8N-00011        | 40021     | U-233/234    | 0.594      | 0.0655 | 0.078  | 2.02   | 0.00 - 0.50             |
| 8N-00011        | 40021     | U-235/236    | 0.0484     | 0.0219 | 0.0201 | 0.151  | 0.00 - 0.50             |
| 8N-00011        | 40021     | U-238        | 0.74       | 0.0416 | 0.0892 | 1.8    | 0.00 - 0.50             |
| 8N-00011        | 40022     | Ac-227       | -0.0661 U  | 0.204  | 0.0633 | 0.217  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Am-241       | 0.0015 UJ  | 0.0217 | 0.0048 | 0.0454 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Bi-212       | 1.22       | 0.172  | 0.108  | 2.15   | 1.00 - 5.00             |
| 8N-00011        | 40022     | Bi-214       | 0.71       | 0.0317 | 0.037  | 1.59   | 1.00 - 5.00             |
| 8N-00011        | 40022     | Cd-113m      | 30.9 U     | 141    | 47.7   | 3030   | 1.00 - 5.00             |
| 8N-00011        | 40022     | Cm-243/244   | 0.0113     | 0.0076 | 0.0057 | 0.0443 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Co-60        | -0.0048 U  | 0.0192 | 0.0059 | 0.028  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Cs-134       | -0.003 U   | 0.0195 | 0.0067 | 0.0864 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Cs-137       | -0.0026 U  | 0.0189 | 0.0057 | 0.207  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Eu-152       | -0.0054 UJ | 0.0526 | 0.0183 | 0.0566 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Eu-154       | -0.062 U   | 0.104  | 0.0347 | 0.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00011        | 40022     | Eu-155       | 0.0295 U  | 0.0809 | 0.0255 | 0.231  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Ho-166m      | -0.0075 U | 0.0275 | 0.0085 | 0.0432 | 1.00 - 5.00             |
| 8N-00011        | 40022     | K-40         | 17.1      | 0.141  | 1.07   | 32.4   | 1.00 - 5.00             |
| 8N-00011        | 40022     | Na-22        | -0.0067 U | 0.0258 | 0.0079 | 0.037  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Nb-94        | 0.0037 U  | 0.0164 | 0.0049 | 0.0214 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Np-236       | -0.0092 U | 0.0391 | 0.0123 | 0.047  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Np-239       | 0.0756 J  | 0.142  | 0.045  | 0.139  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Pa-231       | -0.479 U  | 0.842  | 0.316  | 0.936  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Pb-212       | 1.79      | 0.0432 | 0.116  | 2.69   | 1.00 - 5.00             |
| 8N-00011        | 40022     | Pb-214       | 0.798     | 0.0355 | 0.0416 | 1.7    | 1.00 - 5.00             |
| 8N-00011        | 40022     | Pu-238       | -0.0011 U | 0.02   | 0.0036 | 0.0415 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Pu-239/240   | 0.0072 U  | 0.0229 | 0.0065 | 0.0404 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Pu-244       | 0.0028 U  | 0.0253 | 0.0062 | 0.0313 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Sb-125       | -0.0082 U | 0.0548 | 0.0169 | 0.354  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Sn-126       | -0.002 U  | 0.0183 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00011        | 40022     | Sr-90        | 0.186     | 0.201  | 0.0684 | 0.485  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Th-228       | 1.82      | 0.0791 | 0.164  | 3.98   | 1.00 - 5.00             |
| 8N-00011        | 40022     | Th-229       | 0.0136 U  | 0.0502 | 0.0137 | 0.145  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Th-230       | 0.939     | 0.0817 | 0.0984 | 2.2    | 1.00 - 5.00             |
| 8N-00011        | 40022     | Th-232       | 1.25      | 0.0184 | 0.117  | 3.1    | 1.00 - 5.00             |
| 8N-00011        | 40022     | Th-234       | 1.08 J    | 0.389  | 0.29   | 3.19   | 1.00 - 5.00             |
| 8N-00011        | 40022     | Tl-208       | 0.536     | 0.022  | 0.0319 | 0.937  | 1.00 - 5.00             |
| 8N-00011        | 40022     | Tm-171       | -10.2 U   | 20.8   | 6.78   | 72.4   | 1.00 - 5.00             |
| 8N-00011        | 40022     | U-233/234    | 0.836     | 0.0336 | 0.0904 | 2.02   | 1.00 - 5.00             |
| 8N-00011        | 40022     | U-235/236    | 0.0474    | 0.0415 | 0.0193 | 0.151  | 1.00 - 5.00             |
| 8N-00011        | 40022     | U-238        | 0.729     | 0.0336 | 0.0819 | 1.8    | 1.00 - 5.00             |
| 8N-00012        | 40023     | Ac-227       | -0.0811 U | 0.204  | 0.064  | 0.217  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Am-241       | 0.0032 U  | 0.0157 | 0.0039 | 0.0454 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Bi-212       | 1.06      | 0.174  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00012        | 40023     | Bi-214       | 0.855     | 0.0319 | 0.0437 | 1.59   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00012        | 40023     | Cd-113m      | 14.3 U     | 140    | 41.3   | 3030   | 0.00 - 0.50             |
| 8N-00012        | 40023     | Cm-243/244   | 0.0046 U   | 0.0228 | 0.0059 | 0.0443 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Co-60        | 0.002 U    | 0.0215 | 0.0062 | 0.028  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Cs-134       | -0.0014 U  | 0.0193 | 0.0065 | 0.0864 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Cs-137       | 0.0505     | 0.0185 | 0.0083 | 0.207  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Eu-152       | -0.0478 UJ | 0.0503 | 0.0199 | 0.0566 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Eu-154       | -0.0246 U  | 0.117  | 0.0347 | 0.15   | 0.00 - 0.50             |
| 8N-00012        | 40023     | Eu-155       | 0.0625 JS  | 0.0754 | 0.0283 | 0.231  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Ho-166m      | 0.0158 JS  | 0.0301 | 0.0093 | 0.0432 | 0.00 - 0.50             |
| 8N-00012        | 40023     | K-40         | 19         | 0.156  | 1.15   | 32.4   | 0.00 - 0.50             |
| 8N-00012        | 40023     | Na-22        | 0.0075 U   | 0.0278 | 0.0082 | 0.037  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Nb-94        | 0.0064 U   | 0.0167 | 0.005  | 0.0214 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Np-236       | 0.0113 U   | 0.0381 | 0.0118 | 0.047  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Np-239       | 0.0416 U   | 0.133  | 0.0399 | 0.139  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Pa-231       | 0.357 U    | 0.861  | 0.283  | 0.936  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Pb-212       | 1.64       | 0.0417 | 0.11   | 2.69   | 0.00 - 0.50             |
| 8N-00012        | 40023     | Pb-214       | 0.916      | 0.0353 | 0.0501 | 1.7    | 0.00 - 0.50             |
| 8N-00012        | 40023     | Pu-238       | -0.0016 U  | 0.0138 | 0.0027 | 0.0415 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Pu-239/240   | 0.0006 U   | 0.0138 | 0.0027 | 0.0404 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Pu-244       | 0.0022     | 0.0059 | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Sb-125       | -0.0035 U  | 0.0528 | 0.016  | 0.354  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Sn-126       | 0.0093 J   | 0.019  | 0.0058 | 0.0237 | 0.00 - 0.50             |
| 8N-00012        | 40023     | Sr-90        | -0.0036 U  | 0.211  | 0.0564 | 0.485  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Th-228       | 2.26       | 0.0999 | 0.198  | 3.98   | 0.00 - 0.50             |
| 8N-00012        | 40023     | Th-229       | 0.0517     | 0.02   | 0.0198 | 0.145  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Th-230       | 1          | 0.0684 | 0.105  | 2.2    | 0.00 - 0.50             |
| 8N-00012        | 40023     | Th-232       | 1.67       | 0.0199 | 0.149  | 3.1    | 0.00 - 0.50             |
| 8N-00012        | 40023     | Th-234       | 1.43 J     | 0.375  | 0.38   | 3.19   | 0.00 - 0.50             |
| 8N-00012        | 40023     | Tl-208       | 0.469      | 0.0209 | 0.0299 | 0.937  | 0.00 - 0.50             |
| 8N-00012        | 40023     | Tm-171       | -11.6 U    | 18.8   | 6.34   | 72.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00012        | 40023     | U-233/234    | 0.866      | 0.0837 | 0.101  | 2.02   | 0.00 - 0.50             |
| 8N-00012        | 40023     | U-235/236    | 0.0497     | 0.0505 | 0.022  | 0.151  | 0.00 - 0.50             |
| 8N-00012        | 40023     | U-238        | 0.997      | 0.0505 | 0.11   | 1.8    | 0.00 - 0.50             |
| 8N-00012        | 40024     | Ac-227       | -0.0672 U  | 0.21   | 0.0646 | 0.217  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Am-241       | 0.0041 U   | 0.0206 | 0.0053 | 0.0454 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Bi-212       | 1.19       | 0.174  | 0.105  | 2.15   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Bi-214       | 0.796      | 0.0341 | 0.0425 | 1.59   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Cd-113m      | 24.9 U     | 143    | 43.7   | 3030   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Cm-243/244   | 0.0042 U   | 0.021  | 0.0054 | 0.0443 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Co-60        | 0.0089 U   | 0.0235 | 0.0069 | 0.028  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Cs-134       | -0.0013 UJ | 0.0196 | 0.0066 | 0.0864 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Cs-137       | 0.003 U    | 0.0208 | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Eu-152       | -0.0166 U  | 0.0531 | 0.0172 | 0.0566 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Eu-154       | -0.0678 U  | 0.114  | 0.0377 | 0.15   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Eu-155       | 0.0718 JS  | 0.082  | 0.0297 | 0.231  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Ho-166m      | -0.0104 U  | 0.0294 | 0.0092 | 0.0432 | 1.00 - 5.00             |
| 8N-00012        | 40024     | K-40         | 19.9       | 0.161  | 1.21   | 32.4   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Na-22        | -0.0072 U  | 0.0286 | 0.0087 | 0.037  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Nb-94        | 0.0058 U   | 0.0177 | 0.0053 | 0.0214 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Np-236       | -0.0078 U  | 0.039  | 0.0121 | 0.047  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Np-239       | 0.0005 U   | 0.141  | 0.0414 | 0.139  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Pa-231       | 0.167 U    | 0.894  | 0.266  | 0.936  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Pb-212       | 1.72       | 0.0422 | 0.116  | 2.69   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Pb-214       | 0.973      | 0.0373 | 0.0524 | 1.7    | 1.00 - 5.00             |
| 8N-00012        | 40024     | Pu-238       | 0          | 0.007  | 0.0026 | 0.0415 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Pu-239/240   | 0.0054 UJ  | 0.0258 | 0.0068 | 0.0404 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Pu-244       | 0.0066 UJ  | 0.0203 | 0.0058 | 0.0313 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Sb-125       | 0.0196 U   | 0.0575 | 0.0177 | 0.354  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Sn-126       | 0.0009 U   | 0.0197 | 0.0058 | 0.0237 | 1.00 - 5.00             |
| 8N-00012        | 40024     | Sr-90        | 0.0144 U   | 0.144  | 0.04   | 0.485  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00012        | 40024     | Th-228       | 1.61      | 0.118  | 0.151  | 3.98   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Th-229       | 0.0477    | 0.0502 | 0.0206 | 0.145  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Th-230       | 1.05      | 0.0732 | 0.105  | 2.2    | 1.00 - 5.00             |
| 8N-00012        | 40024     | Th-232       | 1.42      | 0.0184 | 0.128  | 3.1    | 1.00 - 5.00             |
| 8N-00012        | 40024     | Th-234       | 1.66 J    | 0.304  | 0.177  | 3.19   | 1.00 - 5.00             |
| 8N-00012        | 40024     | Tl-208       | 0.516     | 0.022  | 0.0319 | 0.937  | 1.00 - 5.00             |
| 8N-00012        | 40024     | Tm-171       | -4.44 U   | 19.3   | 6.53   | 72.4   | 1.00 - 5.00             |
| 8N-00012        | 40024     | U-233/234    | 0.825     | 0.0114 | 0.0834 | 2.02   | 1.00 - 5.00             |
| 8N-00012        | 40024     | U-235/236    | 0.0417    | 0.0141 | 0.015  | 0.151  | 1.00 - 5.00             |
| 8N-00012        | 40024     | U-238        | 0.889     | 0.0382 | 0.0886 | 1.8    | 1.00 - 5.00             |
| 8N-00013        | 40025     | Ac-227       | -0.0131 U | 0.185  | 0.0569 | 0.217  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Am-241       | 0.0019    | 0.0053 | 0.0019 | 0.0454 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Bi-212       | 0.899     | 0.137  | 0.0836 | 2.15   | 0.00 - 0.50             |
| 8N-00013        | 40025     | Bi-214       | 0.771     | 0.027  | 0.0369 | 1.59   | 0.00 - 0.50             |
| 8N-00013        | 40025     | Cd-113m      | -43.7 U   | 123    | 40.8   | 3030   | 0.00 - 0.50             |
| 8N-00013        | 40025     | Cm-243/244   | 0.0025 U  | 0.0126 | 0.0032 | 0.0443 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Co-60        | 0.0051 U  | 0.0163 | 0.0048 | 0.028  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Cs-134       | -0.0047 U | 0.0156 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Cs-137       | 0.0157    | 0.0141 | 0.0066 | 0.207  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Eu-152       | -0.0368 U | 0.0435 | 0.0195 | 0.0566 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Eu-154       | -0.0269 U | 0.0855 | 0.0262 | 0.15   | 0.00 - 0.50             |
| 8N-00013        | 40025     | Eu-155       | 0.0804 JS | 0.0725 | 0.0286 | 0.231  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Ho-166m      | -0.0005 U | 0.0224 | 0.0067 | 0.0432 | 0.00 - 0.50             |
| 8N-00013        | 40025     | K-40         | 19.3      | 0.122  | 1.18   | 32.4   | 0.00 - 0.50             |
| 8N-00013        | 40025     | Na-22        | 0.0003 U  | 0.0197 | 0.0058 | 0.037  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Nb-94        | 0.0103 JS | 0.0137 | 0.0046 | 0.0214 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Np-236       | -0.0103 U | 0.0352 | 0.0109 | 0.047  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Np-239       | -0.0089 U | 0.123  | 0.0378 | 0.139  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Pa-231       | -0.139 U  | 0.737  | 0.239  | 0.936  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Pb-212       | 1.62      | 0.0372 | 0.0995 | 2.69   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00013        | 40025     | Pb-214       | 0.919     | 0.0323 | 0.0448 | 1.7    | 0.00 - 0.50             |
| 8N-00013        | 40025     | Pu-238       | 0.0079 U  | 0.0255 | 0.0072 | 0.0415 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Pu-239/240   | 0.0032 U  | 0.0161 | 0.004  | 0.0404 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Pu-244       | 0.0108 J  | 0.0161 | 0.006  | 0.0313 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Sb-125       | 0.0262 JS | 0.0463 | 0.0147 | 0.354  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Sn-126       | 0.0046 U  | 0.0147 | 0.0045 | 0.0237 | 0.00 - 0.50             |
| 8N-00013        | 40025     | Sr-90        | 0.25      | 0.233  | 0.0839 | 0.485  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Th-228       | 1.56 J    | 0.193  | 0.176  | 3.98   | 0.00 - 0.50             |
| 8N-00013        | 40025     | Th-229       | 0.0785    | 0.0912 | 0.0343 | 0.145  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Th-230       | 0.754     | 0.0721 | 0.0991 | 2.2    | 0.00 - 0.50             |
| 8N-00013        | 40025     | Th-232       | 1.22      | 0.0264 | 0.133  | 3.1    | 0.00 - 0.50             |
| 8N-00013        | 40025     | Th-234       | 1.43 J    | 0.275  | 0.148  | 3.19   | 0.00 - 0.50             |
| 8N-00013        | 40025     | Tl-208       | 0.487     | 0.0178 | 0.028  | 0.937  | 0.00 - 0.50             |
| 8N-00013        | 40025     | Tm-171       | -4.43 U   | 16.3   | 5.6    | 72.4   | 0.00 - 0.50             |
| 8N-00013        | 40025     | U-233/234    | 0.616     | 0.0378 | 0.0708 | 2.02   | 0.00 - 0.50             |
| 8N-00013        | 40025     | U-235/236    | 0.0151 U  | 0.0467 | 0.0133 | 0.151  | 0.00 - 0.50             |
| 8N-00013        | 40025     | U-238        | 0.619     | 0.0305 | 0.0708 | 1.8    | 0.00 - 0.50             |
| 8N-00013        | 40026     | Ac-227       | -0.107 U  | 0.181  | 0.0606 | 0.217  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Am-241       | -0.0072 U | 0.0292 | 0.0056 | 0.0454 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Bi-212       | 0.953     | 0.161  | 0.0845 | 2.15   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Bi-214       | 0.68      | 0.0272 | 0.035  | 1.59   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Cd-113m      | -47.3 U   | 124    | 39.2   | 3030   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Cm-243/244   | -0.0012 U | 0.033  | 0.0079 | 0.0443 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Co-60        | -0.009 U  | 0.0178 | 0.0057 | 0.028  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Cs-134       | -0.0059 U | 0.0167 | 0.006  | 0.0864 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Cs-137       | -0.008 U  | 0.0172 | 0.0056 | 0.207  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Eu-152       | -0.001 U  | 0.0456 | 0.0158 | 0.0566 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Eu-154       | 0.0045 U  | 0.103  | 0.0299 | 0.15   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Eu-155       | 0.0506 JS | 0.0734 | 0.025  | 0.231  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Ho-166m      | -0.005 U  | 0.025  | 0.0077 | 0.0432 | 1.00 - 3.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00013        | 40026     | K-40         | 18.4       | 0.137  | 1.16   | 32.4   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Na-22        | -0.0055 U  | 0.0235 | 0.0073 | 0.037  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Nb-94        | 0.0057 U   | 0.0153 | 0.0047 | 0.0214 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Np-236       | 0.0067 U   | 0.0354 | 0.0109 | 0.047  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Np-239       | -0.0527 UJ | 0.123  | 0.039  | 0.139  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Pa-231       | 0.0284 U   | 0.774  | 0.249  | 0.936  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Pb-212       | 1.56       | 0.0397 | 0.0953 | 2.69   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Pb-214       | 0.76       | 0.0308 | 0.0384 | 1.7    | 1.00 - 3.00             |
| 8N-00013        | 40026     | Pu-238       | 0.0078     | 0.0152 | 0.0051 | 0.0415 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Pu-239/240   | 0.0054     | 0.0152 | 0.0045 | 0.0404 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Pu-244       | 0.0095     | 0.0065 | 0.0048 | 0.0313 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Sb-125       | 0.0116 U   | 0.0486 | 0.0141 | 0.354  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Sn-126       | 0.0085 J   | 0.0168 | 0.0052 | 0.0237 | 1.00 - 3.00             |
| 8N-00013        | 40026     | Sr-90        | 0.0331 U   | 0.195  | 0.0563 | 0.485  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Th-228       | 1.53       | 0.179  | 0.148  | 3.98   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Th-229       | 0.0487     | 0.0165 | 0.0174 | 0.145  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Th-230       | 0.825      | 0.0447 | 0.0862 | 2.2    | 1.00 - 3.00             |
| 8N-00013        | 40026     | Th-232       | 1.19       | 0.0164 | 0.11   | 3.1    | 1.00 - 3.00             |
| 8N-00013        | 40026     | Th-234       | 1.23 J     | 0.289  | 0.161  | 3.19   | 1.00 - 3.00             |
| 8N-00013        | 40026     | Tl-208       | 0.467      | 0.0201 | 0.0272 | 0.937  | 1.00 - 3.00             |
| 8N-00013        | 40026     | Tm-171       | -5.72 U    | 17.9   | 6.18   | 72.4   | 1.00 - 3.00             |
| 8N-00013        | 40026     | U-233/234    | 0.512      | 0.042  | 0.0648 | 2.02   | 1.00 - 3.00             |
| 8N-00013        | 40026     | U-235/236    | 0.0329     | 0.0178 | 0.0149 | 0.151  | 1.00 - 3.00             |
| 8N-00013        | 40026     | U-238        | 0.537      | 0.0482 | 0.0672 | 1.8    | 1.00 - 3.00             |
| 8N-00014        | 40027     | Ac-227       | -0.0843 U  | 0.163  | 0.0522 | 0.217  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Am-241       | 0.0052 U   | 0.016  | 0.0046 | 0.0454 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Bi-212       | 1.14       | 0.132  | 0.0984 | 2.15   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Bi-214       | 0.824      | 0.0258 | 0.039  | 1.59   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Cd-113m      | 4.14 U     | 110    | 31.9   | 3030   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Cm-243/244   | 0.0008 U   | 0.0226 | 0.0053 | 0.0443 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00014        | 40027     | Co-60        | -0.0068 U | 0.0152 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Cs-134       | 0.0086 JS | 0.015  | 0.0053 | 0.0864 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Cs-137       | 0.0024 U  | 0.0154 | 0.0046 | 0.207  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Eu-152       | -0.0181 U | 0.0396 | 0.0126 | 0.0566 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Eu-154       | 0.0462 J  | 0.0837 | 0.0288 | 0.15   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Eu-155       | 0.0585 JS | 0.0632 | 0.0233 | 0.231  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Ho-166m      | -0.0029 U | 0.0221 | 0.0068 | 0.0432 | 0.00 - 0.50             |
| 8N-00014        | 40027     | K-40         | 17        | 0.0979 | 0.958  | 32.4   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Na-22        | -0.0095 U | 0.019  | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Nb-94        | 0.0034 U  | 0.0134 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Np-236       | -0.0047 U | 0.031  | 0.0095 | 0.047  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Np-239       | -0.0186 U | 0.11   | 0.0346 | 0.139  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Pa-231       | 0.19 U    | 0.673  | 0.224  | 0.936  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Pb-212       | 1.59      | 0.0335 | 0.0933 | 2.69   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Pb-214       | 0.895     | 0.028  | 0.0428 | 1.7    | 0.00 - 0.50             |
| 8N-00014        | 40027     | Pu-238       | 0.0026 U  | 0.0129 | 0.0032 | 0.0415 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Pu-239/240   | 0.0031 U  | 0.0159 | 0.0041 | 0.0404 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Pu-244       | 0.006     | 0.0055 | 0.0035 | 0.0313 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Sb-125       | -0.0108 U | 0.0405 | 0.0124 | 0.354  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Sn-126       | -0.0058 U | 0.0138 | 0.0045 | 0.0237 | 0.00 - 0.50             |
| 8N-00014        | 40027     | Sr-90        | 0.957     | 0.145  | 0.124  | 0.485  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Th-228       | 1.49 J    | 0.124  | 0.152  | 3.98   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Th-229       | 0.0837    | 0.0819 | 0.0318 | 0.145  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Th-230       | 0.918     | 0.0559 | 0.101  | 2.2    | 0.00 - 0.50             |
| 8N-00014        | 40027     | Th-232       | 1.01      | 0.0205 | 0.107  | 3.1    | 0.00 - 0.50             |
| 8N-00014        | 40027     | Th-234       | 1.48 J    | 0.233  | 0.151  | 3.19   | 0.00 - 0.50             |
| 8N-00014        | 40027     | Tl-208       | 0.481     | 0.0168 | 0.0268 | 0.937  | 0.00 - 0.50             |
| 8N-00014        | 40027     | Tm-171       | -0.0356 U | 12.8   | 4.23   | 72.4   | 0.00 - 0.50             |
| 8N-00014        | 40027     | U-233/234    | 0.762     | 0.0558 | 0.0898 | 2.02   | 0.00 - 0.50             |
| 8N-00014        | 40027     | U-235/236    | 0.0305    | 0.0207 | 0.0154 | 0.151  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00014        | 40027     | U-238        | 0.898      | 0.0487 | 0.1    | 1.8    | 0.00 - 0.50             |
| 8N-00014        | 40028     | Ac-227       | -0.0931 U  | 0.169  | 0.0572 | 0.217  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Am-241       | -0.0035 U  | 0.0289 | 0.0075 | 0.0454 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Bi-212       | 1.06       | 0.143  | 0.0924 | 2.15   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Bi-214       | 0.9        | 0.0267 | 0.043  | 1.59   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Cd-113m      | 51.4 U     | 117    | 37.4   | 3030   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Cm-243/244   | 0.0037 U   | 0.0243 | 0.0067 | 0.0443 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Co-60        | 0.0048 U   | 0.0165 | 0.0049 | 0.028  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Cs-134       | 0.0003 U   | 0.0158 | 0.0054 | 0.0864 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Cs-137       | 0.0079 J   | 0.0157 | 0.0055 | 0.207  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Eu-152       | 0.0049 U   | 0.0423 | 0.0138 | 0.0566 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Eu-154       | -0.0305 U  | 0.0874 | 0.0272 | 0.15   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Eu-155       | 0.0655 JS  | 0.0667 | 0.0262 | 0.231  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Ho-166m      | -0.0022 U  | 0.0234 | 0.0072 | 0.0432 | 1.00 - 5.00             |
| 8N-00014        | 40028     | K-40         | 18.9       | 0.119  | 1.08   | 32.4   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Na-22        | 0.002 U    | 0.0226 | 0.0067 | 0.037  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Nb-94        | 0.0076 J   | 0.0141 | 0.0045 | 0.0214 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Np-236       | -0.0035 U  | 0.031  | 0.0102 | 0.047  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Np-239       | -0.0116 UJ | 0.111  | 0.0342 | 0.139  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Pa-231       | -0.142 U   | 0.681  | 0.214  | 0.936  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Pb-212       | 1.72       | 0.0351 | 0.103  | 2.69   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Pb-214       | 0.968      | 0.0294 | 0.0468 | 1.7    | 1.00 - 5.00             |
| 8N-00014        | 40028     | Pu-238       | 0.0237     | 0.024  | 0.0104 | 0.0415 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Pu-239/240   | 0.0086     | 0.0239 | 0.0071 | 0.0404 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Pu-244       | 0.0187     | 0.0102 | 0.0085 | 0.0313 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Sb-125       | 0.0184 U   | 0.0441 | 0.0134 | 0.354  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Sn-126       | -0.0029 U  | 0.0147 | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8N-00014        | 40028     | Sr-90        | 0.167      | 0.228  | 0.0738 | 0.485  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Th-228       | 1.74       | 0.146  | 0.151  | 3.98   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Th-229       | 0.0107 U   | 0.0752 | 0.02   | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00014        | 40028     | Th-230       | 0.739     | 0.0698 | 0.0773 | 2.2    | 1.00 - 5.00             |
| 8N-00014        | 40028     | Th-232       | 1.31      | 0.0493 | 0.112  | 3.1    | 1.00 - 5.00             |
| 8N-00014        | 40028     | Th-234       | 1.35 J    | 0.248  | 0.14   | 3.19   | 1.00 - 5.00             |
| 8N-00014        | 40028     | Tl-208       | 0.508     | 0.0186 | 0.0291 | 0.937  | 1.00 - 5.00             |
| 8N-00014        | 40028     | Tm-171       | -7.59 U   | 14.2   | 5.31   | 72.4   | 1.00 - 5.00             |
| 8N-00014        | 40028     | U-233/234    | 0.694     | 0.0612 | 0.0841 | 2.02   | 1.00 - 5.00             |
| 8N-00014        | 40028     | U-235/236    | 0.0473    | 0.048  | 0.021  | 0.151  | 1.00 - 5.00             |
| 8N-00014        | 40028     | U-238        | 0.683     | 0.0165 | 0.0821 | 1.8    | 1.00 - 5.00             |
| 8N-00015        | 40029     | Ac-227       | -0.0112 U | 0.202  | 0.0626 | 0.217  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Am-241       | -0.0004 U | 0.0216 | 0.0045 | 0.0454 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Bi-212       | 1.05      | 0.153  | 0.0943 | 2.15   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Bi-214       | 0.854     | 0.0303 | 0.041  | 1.59   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Cd-113m      | -11.9 U   | 139    | 43.1   | 3030   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Cm-243/244   | 0.0094    | 0.0221 | 0.0067 | 0.0443 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Co-60        | -0.0006 U | 0.0189 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Cs-134       | -0.0053 U | 0.0175 | 0.0061 | 0.0864 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Cs-137       | 0.0267    | 0.0189 | 0.0064 | 0.207  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Eu-152       | 0.0137 U  | 0.0508 | 0.0174 | 0.0566 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Eu-154       | -0.0076 U | 0.107  | 0.0378 | 0.15   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Eu-155       | 0.0415 JS | 0.083  | 0.0263 | 0.231  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Ho-166m      | -0.0032 U | 0.0266 | 0.0079 | 0.0432 | 0.00 - 0.50             |
| 8N-00015        | 40029     | K-40         | 19.5      | 0.124  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Na-22        | -0.0095 U | 0.024  | 0.0075 | 0.037  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Nb-94        | 0.0128 J  | 0.0161 | 0.0055 | 0.0214 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Np-236       | 0.0137 U  | 0.0408 | 0.0125 | 0.047  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Np-239       | 0.0469 U  | 0.138  | 0.0433 | 0.139  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Pa-231       | -0.334 U  | 0.813  | 0.268  | 0.936  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Pb-212       | 1.55      | 0.041  | 0.103  | 2.69   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Pb-214       | 0.945     | 0.0347 | 0.0492 | 1.7    | 0.00 - 0.50             |
| 8N-00015        | 40029     | Pu-238       | 0.0147    | 0.008  | 0.0066 | 0.0415 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00015        | 40029     | Pu-239/240   | 0.0096    | 0.0186 | 0.0062 | 0.0404 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Pu-244       | 0.0088    | 0.0079 | 0.0051 | 0.0313 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Sb-125       | 0.0332 JS | 0.054  | 0.0175 | 0.354  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Sn-126       | 0.0043 U  | 0.0171 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00015        | 40029     | Sr-90        | -0.0249 U | 0.207  | 0.051  | 0.485  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Th-228       | 1.6       | 0.0868 | 0.156  | 3.98   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Th-229       | 0.0818    | 0.0547 | 0.0272 | 0.145  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Th-230       | 0.816     | 0.0546 | 0.0923 | 2.2    | 0.00 - 0.50             |
| 8N-00015        | 40029     | Th-232       | 1.12      | 0.02   | 0.113  | 3.1    | 0.00 - 0.50             |
| 8N-00015        | 40029     | Th-234       | 1.26 J    | 0.332  | 0.144  | 3.19   | 0.00 - 0.50             |
| 8N-00015        | 40029     | Tl-208       | 0.47      | 0.0203 | 0.0275 | 0.937  | 0.00 - 0.50             |
| 8N-00015        | 40029     | Tm-171       | -7.4 U    | 23.5   | 8.04   | 72.4   | 0.00 - 0.50             |
| 8N-00015        | 40029     | U-233/234    | 0.61      | 0.0251 | 0.0656 | 2.02   | 0.00 - 0.50             |
| 8N-00015        | 40029     | U-235/236    | 0.0682    | 0.0132 | 0.0189 | 0.151  | 0.00 - 0.50             |
| 8N-00015        | 40029     | U-238        | 0.737     | 0.0107 | 0.0751 | 1.8    | 0.00 - 0.50             |
| 8N-00015        | 40030     | Ac-227       | 0.186 J   | 0.229  | 0.0794 | 0.217  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Am-241       | 0.009     | 0.0061 | 0.0045 | 0.0454 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Bi-212       | 0.965 J   | 0.178  | 0.099  | 2.15   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Bi-214       | 0.883 J   | 0.0336 | 0.0447 | 1.59   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Cd-113m      | 9.43 U    | 145    | 43.2   | 3030   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Cm-243/244   | -0.001 U  | 0.0182 | 0.0033 | 0.0443 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Co-60        | -0.0136 U | 0.0196 | 0.007  | 0.028  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Cs-134       | 0.0067 U  | 0.0204 | 0.0069 | 0.0864 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Cs-137       | -0.0015 U | 0.0203 | 0.006  | 0.207  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Eu-152       | -0.0335 U | 0.0536 | 0.0197 | 0.0566 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Eu-154       | -0.0484 U | 0.109  | 0.0347 | 0.15   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Eu-155       | 0.104 JS  | 0.0828 | 0.0335 | 0.231  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Ho-166m      | 0.0006 U  | 0.0298 | 0.0088 | 0.0432 | 1.00 - 5.00             |
| 8N-00015        | 40030     | K-40         | 17.7      | 0.158  | 1.1    | 32.4   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Na-22        | -0.0102 U | 0.0261 | 0.0083 | 0.037  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00015        | 40030     | Nb-94        | 0.0022 U  | 0.0177 | 0.0052 | 0.0214 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Np-236       | -0.0131 U | 0.0413 | 0.0132 | 0.047  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Np-239       | 0.0188 U  | 0.145  | 0.043  | 0.139  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Pa-231       | 0.0833 U  | 0.907  | 0.292  | 0.936  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Pb-212       | 1.81      | 0.045  | 0.117  | 2.69   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Pb-214       | 1         | 0.0382 | 0.0508 | 1.7    | 1.00 - 5.00             |
| 8N-00015        | 40030     | Pu-238       | 0.0008 U  | 0.0327 | 0.0083 | 0.0415 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Pu-239/240   | 0.0085    | 0.0057 | 0.0042 | 0.0404 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Pu-244       | 0.0175    | 0.0135 | 0.0066 | 0.0313 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Sb-125       | 0.0213 U  | 0.0585 | 0.0182 | 0.354  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Sn-126       | 0.0088 U  | 0.0193 | 0.0059 | 0.0237 | 1.00 - 5.00             |
| 8N-00015        | 40030     | Sr-90        | 0.51      | 0.388  | 0.141  | 0.485  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Th-228       | 1.68      | 0.108  | 0.16   | 3.98   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Th-229       | 0.0503    | 0.0667 | 0.024  | 0.145  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Th-230       | 0.967     | 0.094  | 0.104  | 2.2    | 1.00 - 5.00             |
| 8N-00015        | 40030     | Th-232       | 1.24      | 0.0194 | 0.119  | 3.1    | 1.00 - 5.00             |
| 8N-00015        | 40030     | Th-234       | 1.39 J    | 0.337  | 0.19   | 3.19   | 1.00 - 5.00             |
| 8N-00015        | 40030     | Tl-208       | 0.535     | 0.0231 | 0.0313 | 0.937  | 1.00 - 5.00             |
| 8N-00015        | 40030     | Tm-171       | -11.1 U   | 21.6   | 7.87   | 72.4   | 1.00 - 5.00             |
| 8N-00015        | 40030     | U-233/234    | 0.885     | 0.0423 | 0.102  | 2.02   | 1.00 - 5.00             |
| 8N-00015        | 40030     | U-235/236    | 0.0246    | 0.0223 | 0.0143 | 0.151  | 1.00 - 5.00             |
| 8N-00015        | 40030     | U-238        | 0.911     | 0.018  | 0.104  | 1.8    | 1.00 - 5.00             |
| 8N-00016        | 40031     | Ac-227       | -0.106 U  | 0.177  | 0.0581 | 0.217  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Am-241       | -0.0005 U | 0.0363 | 0.0089 | 0.0454 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Bi-212       | 0.993     | 0.142  | 0.0902 | 2.15   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Bi-214       | 0.991     | 0.0264 | 0.0468 | 1.59   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Cd-113m      | -2.2 U    | 121    | 35.2   | 3030   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Cm-243/244   | 0.0033 U  | 0.0166 | 0.0041 | 0.0443 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Co-60        | -0.0015 U | 0.0178 | 0.0053 | 0.028  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Cs-134       | -0.0011 U | 0.0163 | 0.0057 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00016        | 40031     | Cs-137       | 0.0431    | 0.0154 | 0.0083 | 0.207  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Eu-152       | -0.0082 U | 0.0439 | 0.0142 | 0.0566 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Eu-154       | -0.0044 U | 0.0974 | 0.0286 | 0.15   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Eu-155       | 0.1 JS    | 0.0646 | 0.0279 | 0.231  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Ho-166m      | -0.0011 U | 0.0245 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00016        | 40031     | K-40         | 21.7      | 0.108  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Na-22        | -0.0018 U | 0.0224 | 0.0067 | 0.037  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Nb-94        | 0.0034 U  | 0.0142 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Np-236       | 0.0005 U  | 0.0329 | 0.0099 | 0.047  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Np-239       | 0.0199 U  | 0.121  | 0.0378 | 0.139  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Pa-231       | -0.251 U  | 0.722  | 0.221  | 0.936  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Pb-212       | 1.71      | 0.037  | 0.101  | 2.69   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Pb-214       | 1.1       | 0.0312 | 0.052  | 1.7    | 0.00 - 0.50             |
| 8N-00016        | 40031     | Pu-238       | 0.0044    | 0.0059 | 0.0031 | 0.0415 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Pu-239/240   | 0.0078    | 0.0172 | 0.0054 | 0.0404 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Pu-244       | 0.0087    | 0.0059 | 0.0044 | 0.0313 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Sb-125       | -0.0045 U | 0.0479 | 0.0143 | 0.354  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Sn-126       | 0.0065 U  | 0.016  | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00016        | 40031     | Sr-90        | 0.177     | 0.144  | 0.0542 | 0.485  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Th-228       | 1.52 J    | 0.143  | 0.154  | 3.98   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Th-229       | 0.0151 U  | 0.0702 | 0.0185 | 0.145  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Th-230       | 0.883     | 0.0204 | 0.0968 | 2.2    | 0.00 - 0.50             |
| 8N-00016        | 40031     | Th-232       | 1.26      | 0.0204 | 0.122  | 3.1    | 0.00 - 0.50             |
| 8N-00016        | 40031     | Th-234       | 1.41 J    | 0.259  | 0.149  | 3.19   | 0.00 - 0.50             |
| 8N-00016        | 40031     | Tl-208       | 0.517     | 0.0188 | 0.0292 | 0.937  | 0.00 - 0.50             |
| 8N-00016        | 40031     | Tm-171       | -3.38 U   | 13.7   | 4.65   | 72.4   | 0.00 - 0.50             |
| 8N-00016        | 40031     | U-233/234    | 0.83      | 0.0566 | 0.1    | 2.02   | 0.00 - 0.50             |
| 8N-00016        | 40031     | U-235/236    | 0.0266    | 0.024  | 0.0155 | 0.151  | 0.00 - 0.50             |
| 8N-00016        | 40031     | U-238        | 0.839     | 0.065  | 0.101  | 1.8    | 0.00 - 0.50             |
| 8N-00016        | 40032     | Ac-227       | -0.0297 U | 0.153  | 0.0457 | 0.217  | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00016        | 40032     | Am-241       | 0.0036    | 0.0049 | 0.0026 | 0.0454 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Bi-212       | 1.27      | 0.131  | 0.0878 | 2.15   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Bi-214       | 0.755 J   | 0.0235 | 0.0368 | 1.59   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Cd-113m      | -44.7 U   | 102    | 32.1   | 3030   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Cm-243/244   | -0.0008 U | 0.0145 | 0.0026 | 0.0443 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Co-60        | -0.0024 U | 0.0138 | 0.004  | 0.028  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Cs-134       | 0.0019 U  | 0.0137 | 0.0048 | 0.0864 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Cs-137       | 0.0094 J  | 0.0145 | 0.0051 | 0.207  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Eu-152       | 0.003 U   | 0.0363 | 0.0122 | 0.0566 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Eu-154       | 0.0216 U  | 0.0768 | 0.0261 | 0.15   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Eu-155       | 0.0684 JS | 0.0571 | 0.022  | 0.231  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Ho-166m      | 0.0026 U  | 0.0208 | 0.006  | 0.0432 | 1.00 - 4.00             |
| 8N-00016        | 40032     | K-40         | 16.9      | 0.104  | 0.969  | 32.4   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Na-22        | -0.0063 U | 0.0172 | 0.0055 | 0.037  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Nb-94        | 0.0084 J  | 0.0126 | 0.0041 | 0.0214 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Np-236       | -0.0076 U | 0.0291 | 0.0091 | 0.047  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Np-239       | -0.0526 U | 0.0999 | 0.0321 | 0.139  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Pa-231       | -0.198 U  | 0.618  | 0.196  | 0.936  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Pb-212       | 1.86      | 0.0317 | 0.112  | 2.69   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Pb-214       | 0.836     | 0.0259 | 0.0417 | 1.7    | 1.00 - 4.00             |
| 8N-00016        | 40032     | Pu-238       | 0.0027 U  | 0.0239 | 0.0059 | 0.0415 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Pu-239/240   | 0.0013 U  | 0.0187 | 0.0041 | 0.0404 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Pu-244       | 0.019 J   | 0.0064 | 0.0068 | 0.0313 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Sb-125       | 0.0053 U  | 0.0385 | 0.0115 | 0.354  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Sn-126       | 0.0034 U  | 0.0136 | 0.004  | 0.0237 | 1.00 - 4.00             |
| 8N-00016        | 40032     | Sr-90        | 0.303     | 0.421  | 0.135  | 0.485  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Th-228       | 1.76      | 0.118  | 0.161  | 3.98   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Th-229       | 0.02 U    | 0.062  | 0.0177 | 0.145  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Th-230       | 0.798     | 0.0618 | 0.0874 | 2.2    | 1.00 - 4.00             |
| 8N-00016        | 40032     | Th-232       | 1.19      | 0.0488 | 0.113  | 3.1    | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00016        | 40032     | Th-234       | 1.18 J    | 0.224  | 0.119  | 3.19   | 1.00 - 4.00             |
| 8N-00016        | 40032     | Tl-208       | 0.573     | 0.0159 | 0.0317 | 0.937  | 1.00 - 4.00             |
| 8N-00016        | 40032     | Tm-171       | 0.803 U   | 10.8   | 3.62   | 72.4   | 1.00 - 4.00             |
| 8N-00016        | 40032     | U-233/234    | 0.815     | 0.0462 | 0.0921 | 2.02   | 1.00 - 4.00             |
| 8N-00016        | 40032     | U-235/236    | 0.0672    | 0.0461 | 0.024  | 0.151  | 1.00 - 4.00             |
| 8N-00016        | 40032     | U-238        | 0.81      | 0.0373 | 0.0914 | 1.8    | 1.00 - 4.00             |
| 8N-00017        | 40033     | Ac-227       | -0.025 U  | 0.214  | 0.0666 | 0.217  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Am-241       | -0.0025 U | 0.0194 | 0.0034 | 0.0454 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Bi-212       | 1.06      | 0.167  | 0.0858 | 2.15   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Bi-214       | 1.01      | 0.0334 | 0.0472 | 1.59   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Cd-113m      | -132 UJ   | 137    | 55.4   | 3030   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Cm-243/244   | 0.0056 U  | 0.0173 | 0.0049 | 0.0443 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Co-60        | -0.0035 U | 0.019  | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Cs-134       | 0.0096 JS | 0.0191 | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Cs-137       | 0.0592    | 0.0171 | 0.0079 | 0.207  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Eu-152       | -0.0221 U | 0.0515 | 0.0197 | 0.0566 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Eu-154       | 0.0435 U  | 0.11   | 0.0387 | 0.15   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Eu-155       | 0.0648 JS | 0.0873 | 0.0298 | 0.231  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Ho-166m      | 0.0007 U  | 0.027  | 0.0079 | 0.0432 | 0.00 - 0.50             |
| 8N-00017        | 40033     | K-40         | 18        | 0.136  | 1.12   | 32.4   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Na-22        | -0.0065 U | 0.0253 | 0.0077 | 0.037  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Nb-94        | 0.0035 U  | 0.016  | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Np-236       | 0.0062 U  | 0.0419 | 0.0125 | 0.047  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Np-239       | 0.0183 U  | 0.141  | 0.0435 | 0.139  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Pa-231       | -0.464 U  | 0.865  | 0.295  | 0.936  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Pb-212       | 1.77      | 0.0423 | 0.117  | 2.69   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Pb-214       | 1.09      | 0.0371 | 0.056  | 1.7    | 0.00 - 0.50             |
| 8N-00017        | 40033     | Pu-238       | 0.0079 U  | 0.0253 | 0.0072 | 0.0415 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Pu-239/240   | 0.0036 U  | 0.0182 | 0.0047 | 0.0404 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Pu-244       | 0.0069    | 0.0063 | 0.004  | 0.0313 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00017        | 40033     | Sb-125       | 0 U       | 0.0537 | 0.016  | 0.354  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Sn-126       | -0.0048 U | 0.0175 | 0.0053 | 0.0237 | 0.00 - 0.50             |
| 8N-00017        | 40033     | Sr-90        | 0.0607 U  | 0.161  | 0.0482 | 0.485  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Th-228       | 1.5 J     | 0.147  | 0.157  | 3.98   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Th-229       | 0.0475    | 0.0735 | 0.0252 | 0.145  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Th-230       | 0.94      | 0.0581 | 0.104  | 2.2    | 0.00 - 0.50             |
| 8N-00017        | 40033     | Th-232       | 1.17      | 0.0731 | 0.121  | 3.1    | 0.00 - 0.50             |
| 8N-00017        | 40033     | Th-234       | 1.5 J     | 0.419  | 0.39   | 3.19   | 0.00 - 0.50             |
| 8N-00017        | 40033     | Tl-208       | 0.547     | 0.0212 | 0.0306 | 0.937  | 0.00 - 0.50             |
| 8N-00017        | 40033     | Tm-171       | -8.82 U   | 24.4   | 7.49   | 72.4   | 0.00 - 0.50             |
| 8N-00017        | 40033     | U-233/234    | 0.784     | 0.0527 | 0.09   | 2.02   | 0.00 - 0.50             |
| 8N-00017        | 40033     | U-235/236    | 0.0648    | 0.0195 | 0.0221 | 0.151  | 0.00 - 0.50             |
| 8N-00017        | 40033     | U-238        | 0.945     | 0.0371 | 0.102  | 1.8    | 0.00 - 0.50             |
| 8N-00017        | 40034     | Ac-227       | -0.014 U  | 0.175  | 0.054  | 0.217  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Am-241       | 0.0074 U  | 0.0323 | 0.0088 | 0.0454 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Bi-212       | 1.19      | 0.186  | 0.107  | 2.15   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Bi-214       | 0.903     | 0.0329 | 0.0445 | 1.59   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Cd-113m      | -2.5 U    | 117    | 36.1   | 3030   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Cm-243/244   | 0.0177    | 0.037  | 0.0114 | 0.0443 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Co-60        | 0.0013 U  | 0.0216 | 0.0061 | 0.028  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Cs-134       | 0.0113 JS | 0.02   | 0.0071 | 0.0864 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Cs-137       | -0.0111 U | 0.0188 | 0.0065 | 0.207  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Eu-152       | -0.0047 U | 0.0466 | 0.0147 | 0.0566 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Eu-154       | -0.0185 U | 0.113  | 0.0341 | 0.15   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Eu-155       | 0.0496 JS | 0.0558 | 0.0221 | 0.231  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Ho-166m      | 0.0021 U  | 0.0296 | 0.0085 | 0.0432 | 1.00 - 5.00             |
| 8N-00017        | 40034     | K-40         | 16.2      | 0.149  | 0.9    | 32.4   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Na-22        | -0.0017 U | 0.0265 | 0.0077 | 0.037  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Nb-94        | 0.0087 J  | 0.0175 | 0.0053 | 0.0214 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Np-236       | -0.0188 U | 0.0283 | 0.0096 | 0.047  | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00017        | 40034     | Np-239       | 0.0586 J  | 0.115  | 0.0372 | 0.139  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Pa-231       | 0.226 U   | 0.752  | 0.236  | 0.936  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Pb-212       | 1.73      | 0.0363 | 0.0971 | 2.69   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Pb-214       | 0.939     | 0.0324 | 0.0438 | 1.7    | 1.00 - 5.00             |
| 8N-00017        | 40034     | Pu-238       | 0.0025 U  | 0.0123 | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Pu-239/240   | 0.0035 U  | 0.0174 | 0.0045 | 0.0404 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Pu-244       | 0.0077    | 0.0052 | 0.0039 | 0.0313 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Sb-125       | -0.0067 U | 0.0517 | 0.0154 | 0.354  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Sn-126       | 0.0051 U  | 0.0189 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00017        | 40034     | Sr-90        | 0.0761 U  | 0.163  | 0.0499 | 0.485  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Th-228       | 1.75      | 0.134  | 0.161  | 3.98   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Th-229       | 0 U       | 0.0921 | 0.023  | 0.145  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Th-230       | 0.857     | 0.0569 | 0.0899 | 2.2    | 1.00 - 5.00             |
| 8N-00017        | 40034     | Th-232       | 1.19      | 0.0449 | 0.112  | 3.1    | 1.00 - 5.00             |
| 8N-00017        | 40034     | Th-234       | 1.39      | 0.194  | 0.12   | 3.19   | 1.00 - 5.00             |
| 8N-00017        | 40034     | Tl-208       | 0.611     | 0.0221 | 0.0355 | 0.937  | 1.00 - 5.00             |
| 8N-00017        | 40034     | Tm-171       | 1.19 U    | 7.89   | 2.53   | 72.4   | 1.00 - 5.00             |
| 8N-00017        | 40034     | U-233/234    | 0.688     | 0.0186 | 0.0862 | 2.02   | 1.00 - 5.00             |
| 8N-00017        | 40034     | U-235/236    | 0.034     | 0.023  | 0.0172 | 0.151  | 1.00 - 5.00             |
| 8N-00017        | 40034     | U-238        | 0.712     | 0.0543 | 0.089  | 1.8    | 1.00 - 5.00             |
| 8N-00018        | 40035     | Ac-227       | 0.0503 U  | 0.171  | 0.0527 | 0.217  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Am-241       | 0.0006 U  | 0.0145 | 0.0028 | 0.0454 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Bi-212       | 0.97      | 0.133  | 0.0804 | 2.15   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Bi-214       | 0.826     | 0.0256 | 0.0393 | 1.59   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Cd-113m      | -34.8 U   | 111    | 36.2   | 3030   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Cm-243/244   | 0.0043 U  | 0.0211 | 0.0055 | 0.0443 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Co-60        | -0.0012 U | 0.0159 | 0.0047 | 0.028  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Cs-134       | -0.0062 U | 0.0146 | 0.0054 | 0.0864 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Cs-137       | 0.0163 J  | 0.0165 | 0.0061 | 0.207  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Eu-152       | 0.0069 U  | 0.0414 | 0.0156 | 0.0566 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00018        | 40035     | Eu-154       | -0.0104 U | 0.0865 | 0.0255 | 0.15   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Eu-155       | 0.0587 JS | 0.0608 | 0.0241 | 0.231  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Ho-166m      | -0.0056 U | 0.0227 | 0.007  | 0.0432 | 0.00 - 0.50             |
| 8N-00018        | 40035     | K-40         | 18.5      | 0.113  | 1.11   | 32.4   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Na-22        | -0.007 U  | 0.02   | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Nb-94        | 0.0018 U  | 0.0132 | 0.004  | 0.0214 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Np-236       | -0.0088 U | 0.0309 | 0.0097 | 0.047  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Np-239       | -0.0145 U | 0.111  | 0.0338 | 0.139  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Pa-231       | -0.146 U  | 0.675  | 0.21   | 0.936  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Pb-212       | 1.55      | 0.0336 | 0.0953 | 2.69   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Pb-214       | 0.933     | 0.0285 | 0.0462 | 1.7    | 0.00 - 0.50             |
| 8N-00018        | 40035     | Pu-238       | -0.0043 U | 0.026  | 0.0054 | 0.0415 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Pu-239/240   | -0.0024 U | 0.0189 | 0.0033 | 0.0404 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Pu-244       | 0.0131 J  | 0.0133 | 0.0058 | 0.0313 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Sb-125       | -0.0006 U | 0.0427 | 0.0125 | 0.354  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Sn-126       | -0.0003 U | 0.0147 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00018        | 40035     | Sr-90        | 0.0194 U  | 0.198  | 0.0541 | 0.485  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Th-228       | 1.42      | 0.136  | 0.148  | 3.98   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Th-229       | 0.0612    | 0.0564 | 0.0245 | 0.145  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Th-230       | 0.687     | 0.0207 | 0.0831 | 2.2    | 0.00 - 0.50             |
| 8N-00018        | 40035     | Th-232       | 0.914     | 0.0206 | 0.0994 | 3.1    | 0.00 - 0.50             |
| 8N-00018        | 40035     | Th-234       | 1.31      | 0.238  | 0.123  | 3.19   | 0.00 - 0.50             |
| 8N-00018        | 40035     | Tl-208       | 0.489     | 0.0165 | 0.0278 | 0.937  | 0.00 - 0.50             |
| 8N-00018        | 40035     | Tm-171       | 5.23 U    | 11.8   | 4.25   | 72.4   | 0.00 - 0.50             |
| 8N-00018        | 40035     | U-233/234    | 0.878     | 0.0735 | 0.101  | 2.02   | 0.00 - 0.50             |
| 8N-00018        | 40035     | U-235/236    | 0.0411    | 0.0496 | 0.0201 | 0.151  | 0.00 - 0.50             |
| 8N-00018        | 40035     | U-238        | 0.771     | 0.0496 | 0.0909 | 1.8    | 0.00 - 0.50             |
| 8N-00018        | 40036     | Ac-227       | 0.05 U    | 0.193  | 0.0583 | 0.217  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Am-241       | 0.0019    | 0.0052 | 0.0019 | 0.0454 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Bi-212       | 1.12      | 0.154  | 0.103  | 2.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00018        | 40036     | Bi-214       | 1.05 J     | 0.0283 | 0.0502 | 1.59   | 1.00 - 5.00             |
| 8N-00018        | 40036     | Cd-113m      | 43.3 U     | 130    | 41     | 3030   | 1.00 - 5.00             |
| 8N-00018        | 40036     | Cm-243/244   | -0.0023 U  | 0.0177 | 0.0031 | 0.0443 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Co-60        | -0.0021 U  | 0.0183 | 0.0055 | 0.028  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Cs-134       | 0.0008 U   | 0.0174 | 0.0058 | 0.0864 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Cs-137       | -0.0074 U  | 0.0171 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Eu-152       | 0.0028 U   | 0.0459 | 0.0187 | 0.0566 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Eu-154       | -0.0699 UJ | 0.0935 | 0.0335 | 0.15   | 1.00 - 5.00             |
| 8N-00018        | 40036     | Eu-155       | 0.0696 JS  | 0.0748 | 0.0283 | 0.231  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Ho-166m      | -0.0035 U  | 0.0245 | 0.0072 | 0.0432 | 1.00 - 5.00             |
| 8N-00018        | 40036     | K-40         | 19.8       | 0.113  | 1.14   | 32.4   | 1.00 - 5.00             |
| 8N-00018        | 40036     | Na-22        | -0.0012 U  | 0.0216 | 0.0075 | 0.037  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Nb-94        | 0.0025 U   | 0.0142 | 0.0041 | 0.0214 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Np-236       | -0.0209 U  | 0.0357 | 0.0117 | 0.047  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Np-239       | 0.0418 U   | 0.128  | 0.039  | 0.139  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Pa-231       | -0.172 U   | 0.779  | 0.238  | 0.936  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Pb-212       | 1.78       | 0.0401 | 0.113  | 2.69   | 1.00 - 5.00             |
| 8N-00018        | 40036     | Pb-214       | 1.2        | 0.0322 | 0.0585 | 1.7    | 1.00 - 5.00             |
| 8N-00018        | 40036     | Pu-238       | 0.0028     | 0.0077 | 0.0029 | 0.0415 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Pu-239/240   | -0.0041 U  | 0.0223 | 0.004  | 0.0404 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Pu-244       | 0.0141     | 0.0077 | 0.0064 | 0.0313 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Sb-125       | 0.0042 U   | 0.0485 | 0.0146 | 0.354  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Sn-126       | 0.0014 U   | 0.0165 | 0.0048 | 0.0237 | 1.00 - 5.00             |
| 8N-00018        | 40036     | Sr-90        | 0.161 U    | 0.316  | 0.0979 | 0.485  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Th-228       | 1.72 J     | 0.0997 | 0.174  | 3.98   | 1.00 - 5.00             |
| 8N-00018        | 40036     | Th-229       | 0.0171 U   | 0.103  | 0.0271 | 0.145  | 1.00 - 5.00             |
| 8N-00018        | 40036     | Th-230       | 1.11       | 0.0793 | 0.12   | 2.2    | 1.00 - 5.00             |
| 8N-00018        | 40036     | Th-232       | 1.41       | 0.0231 | 0.14   | 3.1    | 1.00 - 5.00             |
| 8N-00018        | 40036     | Th-234       | 1.75       | 0.283  | 0.164  | 3.19   | 1.00 - 5.00             |
| 8N-00018        | 40036     | Tl-208       | 0.572      | 0.019  | 0.0334 | 0.937  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00018        | 40036     | Tm-171       | -2.47 U   | 14.5   | 5.1    | 72.4   | 1.00 - 5.00             |
| 8N-00018        | 40036     | U-233/234    | 1.1       | 0.0421 | 0.119  | 2.02   | 1.00 - 5.00             |
| 8N-00018        | 40036     | U-235/236    | 0.0082    | 0.0221 | 0.0082 | 0.151  | 1.00 - 5.00             |
| 8N-00018        | 40036     | U-238        | 1.07      | 0.0179 | 0.116  | 1.8    | 1.00 - 5.00             |
| 8N-00019        | 40037     | Ac-227       | 0.0099 U  | 0.174  | 0.0525 | 0.217  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Am-241       | 0.015     | 0.0309 | 0.0096 | 0.0454 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Bi-212       | 0.957     | 0.135  | 0.0863 | 2.15   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Bi-214       | 0.859     | 0.026  | 0.0412 | 1.59   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Cd-113m      | 15.1 U    | 118    | 38.6   | 3030   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Cm-243/244   | -0.0063 U | 0.0316 | 0.0061 | 0.0443 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Co-60        | 0.0066 U  | 0.0175 | 0.0053 | 0.028  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Cs-134       | 0.0012 U  | 0.0158 | 0.0054 | 0.0864 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Cs-137       | 0.0453    | 0.0149 | 0.0067 | 0.207  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Eu-152       | -0.0072 U | 0.044  | 0.0142 | 0.0566 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Eu-154       | -0.0342 U | 0.0884 | 0.0276 | 0.15   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Eu-155       | 0.0849 JS | 0.0619 | 0.0243 | 0.231  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Ho-166m      | -0.0093 U | 0.023  | 0.0074 | 0.0432 | 0.00 - 0.50             |
| 8N-00019        | 40037     | K-40         | 19.4      | 0.115  | 1.16   | 32.4   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Na-22        | -0.013 U  | 0.0205 | 0.007  | 0.037  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Nb-94        | 0.0063 U  | 0.014  | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Np-236       | -0.0206 U | 0.0312 | 0.0108 | 0.047  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Np-239       | 0.0665 J  | 0.116  | 0.038  | 0.139  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Pa-231       | 0.0888 U  | 0.713  | 0.217  | 0.936  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Pb-212       | 1.58      | 0.0357 | 0.0969 | 2.69   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Pb-214       | 0.937     | 0.0298 | 0.0466 | 1.7    | 0.00 - 0.50             |
| 8N-00019        | 40037     | Pu-238       | 0.0062 U  | 0.0192 | 0.0055 | 0.0415 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Pu-239/240   | 0.0255    | 0.0191 | 0.0088 | 0.0404 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Pu-244       | -0.0017 U | 0.0154 | 0.003  | 0.0313 | 0.00 - 0.50             |
| 8N-00019        | 40037     | Sb-125       | -0.0045 U | 0.044  | 0.013  | 0.354  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Sn-126       | -0.0003 U | 0.0149 | 0.0045 | 0.0237 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00019        | 40037     | Sr-90        | 0.0474 U   | 0.218  | 0.0632 | 0.485  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Th-228       | 1.51 J     | 0.0937 | 0.155  | 3.98   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Th-229       | 0.0081 U   | 0.0877 | 0.0215 | 0.145  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Th-230       | 0.902      | 0.022  | 0.101  | 2.2    | 0.00 - 0.50             |
| 8N-00019        | 40037     | Th-232       | 1.32       | 0.0596 | 0.131  | 3.1    | 0.00 - 0.50             |
| 8N-00019        | 40037     | Th-234       | 1.37 J     | 0.254  | 0.145  | 3.19   | 0.00 - 0.50             |
| 8N-00019        | 40037     | Tl-208       | 0.507      | 0.018  | 0.0285 | 0.937  | 0.00 - 0.50             |
| 8N-00019        | 40037     | Tm-171       | -1.16 U    | 12.1   | 4.25   | 72.4   | 0.00 - 0.50             |
| 8N-00019        | 40037     | U-233/234    | 0.74       | 0.0499 | 0.0846 | 2.02   | 0.00 - 0.50             |
| 8N-00019        | 40037     | U-235/236    | 0.0613     | 0.0185 | 0.0209 | 0.151  | 0.00 - 0.50             |
| 8N-00019        | 40037     | U-238        | 0.705      | 0.0149 | 0.0811 | 1.8    | 0.00 - 0.50             |
| 8N-00019        | 40038     | Ac-227       | -0.0589 U  | 0.181  | 0.0553 | 0.217  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Am-241       | 0.0078     | 0.0053 | 0.0039 | 0.0454 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Bi-212       | 1.11       | 0.155  | 0.103  | 2.15   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Bi-214       | 0.888 J    | 0.0292 | 0.0434 | 1.59   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Cd-113m      | -16.8 U    | 125    | 37     | 3030   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Cm-243/244   | -0.0009 U  | 0.0157 | 0.0029 | 0.0443 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Co-60        | 0 U        | 0.0192 | 0.0057 | 0.028  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Cs-134       | 0.0007 U   | 0.0176 | 0.0059 | 0.0864 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Cs-137       | -0.013 UJ  | 0.0171 | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Eu-152       | -0.0365 UJ | 0.0456 | 0.0165 | 0.0566 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Eu-154       | -0.0359 U  | 0.103  | 0.0318 | 0.15   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Eu-155       | 0.0889 JS  | 0.0684 | 0.0268 | 0.231  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Ho-166m      | 0.0016 U   | 0.0277 | 0.0082 | 0.0432 | 1.00 - 5.00             |
| 8N-00019        | 40038     | K-40         | 19         | 0.125  | 1.17   | 32.4   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Na-22        | -0.0017 U  | 0.0252 | 0.0075 | 0.037  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Nb-94        | 0.0072 U   | 0.0156 | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Np-236       | -0.0143 U  | 0.0346 | 0.011  | 0.047  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Np-239       | -0.004 U   | 0.123  | 0.036  | 0.139  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Pa-231       | 0.0339 U   | 0.77   | 0.227  | 0.936  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00019        | 40038     | Pb-212       | 1.67      | 0.0384 | 0.1    | 2.69   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Pb-214       | 0.983     | 0.0333 | 0.0482 | 1.7    | 1.00 - 5.00             |
| 8N-00019        | 40038     | Pu-238       | 0         | 0.009  | 0.0033 | 0.0415 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Pu-239/240   | 0.0132    | 0.0089 | 0.0066 | 0.0404 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Pu-244       | 0.0033    | 0.0089 | 0.0033 | 0.0313 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Sb-125       | 0.0053 U  | 0.0501 | 0.0151 | 0.354  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Sn-126       | -0.0056 U | 0.017  | 0.0053 | 0.0237 | 1.00 - 5.00             |
| 8N-00019        | 40038     | Sr-90        | 0.219     | 0.308  | 0.0998 | 0.485  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Th-228       | 1.47      | 0.0632 | 0.141  | 3.98   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Th-229       | 0.0343    | 0.0504 | 0.0182 | 0.145  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Th-230       | 1.11      | 0.0635 | 0.109  | 2.2    | 1.00 - 5.00             |
| 8N-00019        | 40038     | Th-232       | 1.42      | 0.0185 | 0.129  | 3.1    | 1.00 - 5.00             |
| 8N-00019        | 40038     | Th-234       | 1.52      | 0.276  | 0.151  | 3.19   | 1.00 - 5.00             |
| 8N-00019        | 40038     | Tl-208       | 0.519     | 0.0204 | 0.0305 | 0.937  | 1.00 - 5.00             |
| 8N-00019        | 40038     | Tm-171       | 0.839 U   | 16.8   | 5.48   | 72.4   | 1.00 - 5.00             |
| 8N-00019        | 40038     | U-233/234    | 0.782     | 0.0523 | 0.0895 | 2.02   | 1.00 - 5.00             |
| 8N-00019        | 40038     | U-235/236    | 0.0357    | 0.0193 | 0.0162 | 0.151  | 1.00 - 5.00             |
| 8N-00019        | 40038     | U-238        | 0.868     | 0.0368 | 0.0959 | 1.8    | 1.00 - 5.00             |
| 8N-00020        | 40039     | Ac-227       | 0.0057 U  | 0.2    | 0.0595 | 0.217  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Am-241       | -0.0016 U | 0.0376 | 0.0092 | 0.0454 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Bi-212       | 1.02 J    | 0.239  | 0.259  | 2.15   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Bi-214       | 0.697     | 0.0292 | 0.0357 | 1.59   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Cd-113m      | -67.6 U   | 134    | 47.7   | 3030   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Cm-243/244   | 0.0038 U  | 0.0342 | 0.0089 | 0.0443 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Co-60        | -0.0034 U | 0.0175 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Cs-134       | 0.0092 JS | 0.018  | 0.0063 | 0.0864 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Cs-137       | 0.0107 J  | 0.0192 | 0.006  | 0.207  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Eu-152       | 0.0126 U  | 0.0476 | 0.021  | 0.0566 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Eu-154       | 0.0496 J  | 0.0999 | 0.031  | 0.15   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Eu-155       | 0.0452 JS | 0.0795 | 0.0266 | 0.231  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00020        | 40039     | Ho-166m      | -0.0023 U | 0.0258 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00020        | 40039     | K-40         | 12.1      | 0.123  | 0.814  | 32.4   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Na-22        | -0.0037 U | 0.0227 | 0.0067 | 0.037  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Nb-94        | 0.0102 JS | 0.0155 | 0.005  | 0.0214 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Np-236       | -0.0075 U | 0.0389 | 0.0116 | 0.047  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Np-239       | -0.0272 U | 0.136  | 0.0411 | 0.139  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Pa-231       | -0.312 U  | 0.821  | 0.285  | 0.936  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Pb-212       | 1.62      | 0.041  | 0.108  | 2.69   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Pb-214       | 0.882     | 0.0337 | 0.0457 | 1.7    | 0.00 - 0.50             |
| 8N-00020        | 40039     | Pu-238       | -0.0046 U | 0.0194 | 0.0034 | 0.0415 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Pu-239/240   | 0.0103    | 0.0193 | 0.0063 | 0.0404 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Pu-244       | -0.0015 U | 0.0136 | 0.0026 | 0.0313 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Sb-125       | 0.0318 JS | 0.0521 | 0.0171 | 0.354  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Sn-126       | -0.0039 U | 0.016  | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00020        | 40039     | Sr-90        | -0.0224 U | 0.176  | 0.0477 | 0.485  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Th-228       | 1.53 J    | 0.146  | 0.165  | 3.98   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Th-229       | 0.0359    | 0.0662 | 0.0221 | 0.145  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Th-230       | 0.941     | 0.0243 | 0.109  | 2.2    | 0.00 - 0.50             |
| 8N-00020        | 40039     | Th-232       | 1.31      | 0.0242 | 0.135  | 3.1    | 0.00 - 0.50             |
| 8N-00020        | 40039     | Th-234       | 0.936 J   | 0.324  | 0.135  | 3.19   | 0.00 - 0.50             |
| 8N-00020        | 40039     | Tl-208       | 0.465     | 0.0193 | 0.0278 | 0.937  | 0.00 - 0.50             |
| 8N-00020        | 40039     | Tm-171       | -17.4 UJ  | 18.8   | 7.96   | 72.4   | 0.00 - 0.50             |
| 8N-00020        | 40039     | U-233/234    | 0.675     | 0.0487 | 0.0788 | 2.02   | 0.00 - 0.50             |
| 8N-00020        | 40039     | U-235/236    | 0.0237    | 0.0525 | 0.0164 | 0.151  | 0.00 - 0.50             |
| 8N-00020        | 40039     | U-238        | 0.672     | 0.0487 | 0.0786 | 1.8    | 0.00 - 0.50             |
| 8N-00020        | 40040     | Ac-227       | 0.0319 U  | 0.249  | 0.0762 | 0.217  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Am-241       | 0.0013 U  | 0.0178 | 0.0039 | 0.0454 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Bi-212       | 1.39 J    | 0.244  | 0.145  | 2.15   | 1.00 - 5.00             |
| 8N-00020        | 40040     | Bi-214       | 1.09 J    | 0.0466 | 0.0568 | 1.59   | 1.00 - 5.00             |
| 8N-00020        | 40040     | Cd-113m      | 30.1 U    | 163    | 49.9   | 3030   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00020        | 40040     | Cm-243/244   | -0.006 U   | 0.0251 | 0.0044 | 0.0443 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Co-60        | 0.0061 U   | 0.0304 | 0.0085 | 0.028  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Cs-134       | -0.0005 U  | 0.0284 | 0.0098 | 0.0864 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Cs-137       | -0.0047 U  | 0.0276 | 0.0085 | 0.207  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Eu-152       | 0.0127 U   | 0.0658 | 0.0205 | 0.0566 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Eu-154       | -0.091 U   | 0.158  | 0.0533 | 0.15   | 1.00 - 5.00             |
| 8N-00020        | 40040     | Eu-155       | 0.142 JS   | 0.0726 | 0.0353 | 0.231  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Ho-166m      | -0.0043 U  | 0.041  | 0.0119 | 0.0432 | 1.00 - 5.00             |
| 8N-00020        | 40040     | K-40         | 24.3       | 0.232  | 1.35   | 32.4   | 1.00 - 5.00             |
| 8N-00020        | 40040     | Na-22        | -0.0109 U  | 0.0358 | 0.0108 | 0.037  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Nb-94        | 0.0085 U   | 0.0249 | 0.0072 | 0.0214 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Np-236       | -0.0339 UJ | 0.0362 | 0.0136 | 0.047  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Np-239       | -0.0165 U  | 0.154  | 0.0472 | 0.139  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Pa-231       | -0.145 U   | 1.02   | 0.318  | 0.936  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Pb-212       | 2.08       | 0.0501 | 0.118  | 2.69   | 1.00 - 5.00             |
| 8N-00020        | 40040     | Pb-214       | 1.21       | 0.0489 | 0.0585 | 1.7    | 1.00 - 5.00             |
| 8N-00020        | 40040     | Pu-238       | 0.0009 UJ  | 0.0212 | 0.0041 | 0.0415 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Pu-239/240   | -0.0015 UJ | 0.0261 | 0.0047 | 0.0404 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Pu-244       | 0.0033     | 0.009  | 0.0033 | 0.0313 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Sb-125       | 0.0257 U   | 0.0748 | 0.0223 | 0.354  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Sn-126       | 0.006 U    | 0.0271 | 0.0077 | 0.0237 | 1.00 - 5.00             |
| 8N-00020        | 40040     | Sr-90        | -0.0261 U  | 0.349  | 0.0959 | 0.485  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Th-228       | 1.54       | 0.115  | 0.15   | 3.98   | 1.00 - 5.00             |
| 8N-00020        | 40040     | Th-229       | 0.0561     | 0.0517 | 0.0224 | 0.145  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Th-230       | 0.98       | 0.0515 | 0.101  | 2.2    | 1.00 - 5.00             |
| 8N-00020        | 40040     | Th-232       | 1.31       | 0.0648 | 0.123  | 3.1    | 1.00 - 5.00             |
| 8N-00020        | 40040     | Th-234       | 2.03       | 0.267  | 0.169  | 3.19   | 1.00 - 5.00             |
| 8N-00020        | 40040     | Tl-208       | 0.662      | 0.032  | 0.0413 | 0.937  | 1.00 - 5.00             |
| 8N-00020        | 40040     | Tm-171       | -5.45 U    | 10.6   | 3.66   | 72.4   | 1.00 - 5.00             |
| 8N-00020        | 40040     | U-233/234    | 0.789      | 0.0477 | 0.0912 | 2.02   | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00020        | 40040     | U-235/236    | 0.0523    | 0.0203 | 0.0202 | 0.151  | 1.00 - 5.00             |
| 8N-00020        | 40040     | U-238        | 0.823     | 0.0164 | 0.0934 | 1.8    | 1.00 - 5.00             |
| 8N-00021        | 40041     | Ac-227       | -0.0221 U | 0.188  | 0.058  | 0.217  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Am-241       | -0.0041 U | 0.028  | 0.0055 | 0.0454 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Bi-212       | 0.968     | 0.148  | 0.09   | 2.15   | 0.00 - 0.50             |
| 8N-00021        | 40041     | Bi-214       | 0.813     | 0.028  | 0.0397 | 1.59   | 0.00 - 0.50             |
| 8N-00021        | 40041     | Cd-113m      | -12.9 U   | 129    | 41.3   | 3030   | 0.00 - 0.50             |
| 8N-00021        | 40041     | Cm-243/244   | 0.0086    | 0.0167 | 0.0056 | 0.0443 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Co-60        | -0.0116 U | 0.0172 | 0.006  | 0.028  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Cs-134       | 0.01 JS   | 0.0168 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Cs-137       | -0.0015 U | 0.0169 | 0.0051 | 0.207  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Eu-152       | 0.0112 U  | 0.046  | 0.0194 | 0.0566 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Eu-154       | -0.0153 U | 0.092  | 0.0273 | 0.15   | 0.00 - 0.50             |
| 8N-00021        | 40041     | Eu-155       | 0.0885 JS | 0.0723 | 0.0274 | 0.231  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Ho-166m      | -0.001 U  | 0.0244 | 0.0073 | 0.0432 | 0.00 - 0.50             |
| 8N-00021        | 40041     | K-40         | 19.4      | 0.132  | 1.18   | 32.4   | 0.00 - 0.50             |
| 8N-00021        | 40041     | Na-22        | -0.0018 U | 0.0208 | 0.0062 | 0.037  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Nb-94        | 0.0009 U  | 0.0142 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Np-236       | -0.0067 U | 0.0368 | 0.0115 | 0.047  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Np-239       | -0.0755 U | 0.127  | 0.0432 | 0.139  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Pa-231       | 0.113 U   | 0.787  | 0.25   | 0.936  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Pb-212       | 1.54      | 0.0396 | 0.0949 | 2.69   | 0.00 - 0.50             |
| 8N-00021        | 40041     | Pb-214       | 0.948     | 0.0322 | 0.0461 | 1.7    | 0.00 - 0.50             |
| 8N-00021        | 40041     | Pu-238       | -0.0041 U | 0.0217 | 0.0038 | 0.0415 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Pu-239/240   | -0.0009 U | 0.017  | 0.0031 | 0.0404 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Pu-244       | 0.0065    | 0.0058 | 0.0037 | 0.0313 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Sb-125       | -0.0013 U | 0.0469 | 0.0138 | 0.354  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Sn-126       | -0.0035 U | 0.0156 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00021        | 40041     | Sr-90        | 0.0832 U  | 0.206  | 0.0621 | 0.485  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Th-228       | 1.57 J    | 0.0772 | 0.162  | 3.98   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00021        | 40041     | Th-229       | 0.0678     | 0.023  | 0.0243 | 0.145  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Th-230       | 0.752      | 0.0622 | 0.0932 | 2.2    | 0.00 - 0.50             |
| 8N-00021        | 40041     | Th-232       | 1.18       | 0.0783 | 0.125  | 3.1    | 0.00 - 0.50             |
| 8N-00021        | 40041     | Th-234       | 1.37       | 0.276  | 0.154  | 3.19   | 0.00 - 0.50             |
| 8N-00021        | 40041     | Tl-208       | 0.457      | 0.0181 | 0.0264 | 0.937  | 0.00 - 0.50             |
| 8N-00021        | 40041     | Tm-171       | -8.84 U    | 16.6   | 6.03   | 72.4   | 0.00 - 0.50             |
| 8N-00021        | 40041     | U-233/234    | 0.552      | 0.0683 | 0.0718 | 2.02   | 0.00 - 0.50             |
| 8N-00021        | 40041     | U-235/236    | 0.0362     | 0.0196 | 0.0164 | 0.151  | 0.00 - 0.50             |
| 8N-00021        | 40041     | U-238        | 0.704      | 0.0373 | 0.0829 | 1.8    | 0.00 - 0.50             |
| 8N-00021        | 40042     | Ac-227       | -0.0594 U  | 0.207  | 0.0636 | 0.217  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Am-241       | 0.0107     | 0.0186 | 0.0063 | 0.0454 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Bi-212       | 1.11       | 0.168  | 0.11   | 2.15   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Bi-214       | 0.917      | 0.0305 | 0.045  | 1.59   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Cd-113m      | 22.5 U     | 140    | 41.7   | 3030   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Cm-243/244   | 0.0055     | 0.0153 | 0.0045 | 0.0443 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Co-60        | -0.0027 U  | 0.0208 | 0.006  | 0.028  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Cs-134       | 0.003 UJ   | 0.0183 | 0.0062 | 0.0864 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Cs-137       | -0.0083 U  | 0.0183 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Eu-152       | -0.0426 UJ | 0.0503 | 0.0199 | 0.0566 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Eu-154       | -0.0217 U  | 0.112  | 0.0337 | 0.15   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Eu-155       | 0.093 JS   | 0.0746 | 0.0279 | 0.231  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Ho-166m      | -0.002 U   | 0.0289 | 0.0087 | 0.0432 | 1.00 - 5.00             |
| 8N-00021        | 40042     | K-40         | 19.6       | 0.148  | 1.24   | 32.4   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Na-22        | -0.0117 U  | 0.0261 | 0.0085 | 0.037  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Nb-94        | 0.0037 U   | 0.0167 | 0.005  | 0.0214 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Np-236       | -0.0107 U  | 0.0382 | 0.012  | 0.047  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Np-239       | 0.0648 U   | 0.137  | 0.0428 | 0.139  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Pa-231       | 0.185 U    | 0.845  | 0.262  | 0.936  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Pb-212       | 1.62       | 0.0423 | 0.0993 | 2.69   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Pb-214       | 0.93       | 0.0362 | 0.0459 | 1.7    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00021        | 40042     | Pu-238       | 0          | 0.006  | 0.0022 | 0.0415 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Pu-239/240   | 0.0025 U   | 0.022  | 0.0054 | 0.0404 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Pu-244       | 0.011      | 0.006  | 0.005  | 0.0313 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Sb-125       | 0.0062 U   | 0.055  | 0.0159 | 0.354  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Sn-126       | -0.0005 U  | 0.0181 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8N-00021        | 40042     | Sr-90        | -0.0136 U  | 0.135  | 0.0343 | 0.485  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Th-228       | 1.44       | 0.092  | 0.14   | 3.98   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Th-229       | 0.0279     | 0.0513 | 0.0172 | 0.145  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Th-230       | 0.911      | 0.0646 | 0.0964 | 2.2    | 1.00 - 5.00             |
| 8N-00021        | 40042     | Th-232       | 1.19       | 0.0644 | 0.114  | 3.1    | 1.00 - 5.00             |
| 8N-00021        | 40042     | Th-234       | 1.62 J     | 0.297  | 0.188  | 3.19   | 1.00 - 5.00             |
| 8N-00021        | 40042     | Tl-208       | 0.484      | 0.02   | 0.0292 | 0.937  | 1.00 - 5.00             |
| 8N-00021        | 40042     | Tm-171       | -3.24 U    | 18.8   | 6.35   | 72.4   | 1.00 - 5.00             |
| 8N-00021        | 40042     | U-233/234    | 0.834      | 0.0412 | 0.0966 | 2.02   | 1.00 - 5.00             |
| 8N-00021        | 40042     | U-235/236    | 0.0559     | 0.0216 | 0.0215 | 0.151  | 1.00 - 5.00             |
| 8N-00021        | 40042     | U-238        | 0.951      | 0.0412 | 0.106  | 1.8    | 1.00 - 5.00             |
| 8N-00022        | 40043     | Ac-227       | -0.0511 U  | 0.187  | 0.0566 | 0.217  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Am-241       | 0.0099 U   | 0.0247 | 0.0074 | 0.0454 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Bi-212       | 0.902 J    | 0.164  | 0.0938 | 2.15   | 0.00 - 0.50             |
| 8N-00022        | 40043     | Bi-214       | 0.781      | 0.0307 | 0.0403 | 1.59   | 0.00 - 0.50             |
| 8N-00022        | 40043     | Cd-113m      | 28.6 U     | 126    | 37.3   | 3030   | 0.00 - 0.50             |
| 8N-00022        | 40043     | Cm-243/244   | 0.0003 U   | 0.0217 | 0.0049 | 0.0443 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Co-60        | 0.0001 U   | 0.0198 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Cs-134       | 0.0062 U   | 0.0181 | 0.0061 | 0.0864 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Cs-137       | 0.0347     | 0.0158 | 0.0079 | 0.207  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Eu-152       | 0.0063 U   | 0.0463 | 0.0157 | 0.0566 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Eu-154       | -0.0844 UJ | 0.109  | 0.0389 | 0.15   | 0.00 - 0.50             |
| 8N-00022        | 40043     | Eu-155       | 0.11 JS    | 0.0688 | 0.0291 | 0.231  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Ho-166m      | -0.0058 U  | 0.027  | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00022        | 40043     | K-40         | 19.2       | 0.127  | 1.18   | 32.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00022        | 40043     | Na-22        | -0.0079 U  | 0.0271 | 0.0084 | 0.037  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Nb-94        | -0.0053 U  | 0.0156 | 0.0049 | 0.0214 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Np-236       | -0.0376 UJ | 0.0337 | 0.0138 | 0.047  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Np-239       | -0.0229 U  | 0.124  | 0.0367 | 0.139  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Pa-231       | -0.0975 U  | 0.749  | 0.231  | 0.936  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Pb-212       | 1.56       | 0.0379 | 0.0938 | 2.69   | 0.00 - 0.50             |
| 8N-00022        | 40043     | Pb-214       | 0.871      | 0.0329 | 0.043  | 1.7    | 0.00 - 0.50             |
| 8N-00022        | 40043     | Pu-236       | 0.0104     | 0.0202 | 0.0068 | 0.0448 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Pu-238       | 0.0097     | 0.0215 | 0.0067 | 0.0415 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Pu-239/240   | 0.0109     | 0.0074 | 0.0055 | 0.0404 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Pu-244       | 0.0027     | 0.0074 | 0.0027 | 0.0313 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Sb-125       | 0.0266 JS  | 0.0511 | 0.0163 | 0.354  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Sn-126       | -0.0088 U  | 0.0171 | 0.0056 | 0.0237 | 0.00 - 0.50             |
| 8N-00022        | 40043     | Sr-90        | 0.0679 U   | 0.173  | 0.0522 | 0.485  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Th-228       | 1.63       | 0.161  | 0.15   | 3.98   | 0.00 - 0.50             |
| 8N-00022        | 40043     | Th-229       | 0.0289     | 0.0621 | 0.0192 | 0.145  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Th-230       | 0.933      | 0.062  | 0.0923 | 2.2    | 0.00 - 0.50             |
| 8N-00022        | 40043     | Th-232       | 1.32       | 0.0533 | 0.117  | 3.1    | 0.00 - 0.50             |
| 8N-00022        | 40043     | Th-234       | 1.39 J     | 0.276  | 0.157  | 3.19   | 0.00 - 0.50             |
| 8N-00022        | 40043     | Tl-208       | 0.487      | 0.0199 | 0.0291 | 0.937  | 0.00 - 0.50             |
| 8N-00022        | 40043     | Tm-171       | -2.11 U    | 16.8   | 5.53   | 72.4   | 0.00 - 0.50             |
| 8N-00022        | 40043     | U-233/234    | 0.766      | 0.0427 | 0.0923 | 2.02   | 0.00 - 0.50             |
| 8N-00022        | 40043     | U-235/236    | 0.0249     | 0.0225 | 0.0145 | 0.151  | 0.00 - 0.50             |
| 8N-00022        | 40043     | U-238        | 0.887      | 0.0427 | 0.102  | 1.8    | 0.00 - 0.50             |
| 8N-00022        | 40044     | Ac-227       | -0.138 U   | 0.226  | 0.0761 | 0.217  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Am-241       | 0.017      | 0.0297 | 0.0096 | 0.0454 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Bi-212       | 1.2        | 0.18   | 0.12   | 2.15   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Bi-214       | 0.984      | 0.0359 | 0.0482 | 1.59   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Cd-113m      | -78.4 U    | 151    | 49.4   | 3030   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Cm-243/244   | 0.0029 U   | 0.0261 | 0.0064 | 0.0443 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00022        | 40044     | Co-60        | -0.0091 U  | 0.0222 | 0.0071 | 0.028  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Cs-134       | -0.0015 UJ | 0.0202 | 0.0069 | 0.0864 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Cs-137       | -0.0024 U  | 0.0199 | 0.0069 | 0.207  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Eu-152       | -0.0007 U  | 0.0575 | 0.0213 | 0.0566 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Eu-154       | 0.0014 U   | 0.122  | 0.0351 | 0.15   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Eu-155       | 0.033 U    | 0.0864 | 0.0273 | 0.231  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Ho-166m      | -0.0013 U  | 0.0314 | 0.0093 | 0.0432 | 1.00 - 5.00             |
| 8N-00022        | 40044     | K-40         | 19.4       | 0.162  | 1.21   | 32.4   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Na-22        | -0.0177 U  | 0.0284 | 0.0098 | 0.037  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Nb-94        | 0.006 U    | 0.0182 | 0.0055 | 0.0214 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Np-236       | 0.007 U    | 0.0426 | 0.0131 | 0.047  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Np-239       | -0.0852 U  | 0.148  | 0.0491 | 0.139  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Pa-231       | -0.231 U   | 0.93   | 0.286  | 0.936  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Pb-212       | 1.72       | 0.0458 | 0.112  | 2.69   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Pb-214       | 1.06       | 0.0389 | 0.0536 | 1.7    | 1.00 - 5.00             |
| 8N-00022        | 40044     | Pu-238       | 0.0028 U   | 0.0139 | 0.0035 | 0.0415 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Pu-239/240   | 0.0028 U   | 0.0139 | 0.0035 | 0.0404 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Pu-244       | 0.0044     | 0.0059 | 0.0031 | 0.0313 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Sb-125       | 0.0136 U   | 0.0593 | 0.0181 | 0.354  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Sn-126       | 0.0036 U   | 0.02   | 0.0059 | 0.0237 | 1.00 - 5.00             |
| 8N-00022        | 40044     | Sr-90        | 0.173      | 0.135  | 0.0521 | 0.485  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Th-228       | 1.85       | 0.0904 | 0.165  | 3.98   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Th-229       | 0.0615     | 0.0503 | 0.0229 | 0.145  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Th-230       | 1.04       | 0.0633 | 0.104  | 2.2    | 1.00 - 5.00             |
| 8N-00022        | 40044     | Th-232       | 1.35       | 0.0501 | 0.123  | 3.1    | 1.00 - 5.00             |
| 8N-00022        | 40044     | Th-234       | 1.47 J     | 0.428  | 0.386  | 3.19   | 1.00 - 5.00             |
| 8N-00022        | 40044     | Tl-208       | 0.579      | 0.0235 | 0.0338 | 0.937  | 1.00 - 5.00             |
| 8N-00022        | 40044     | Tm-171       | 1.45 U     | 22.2   | 6.67   | 72.4   | 1.00 - 5.00             |
| 8N-00022        | 40044     | U-233/234    | 0.748      | 0.0314 | 0.0763 | 2.02   | 1.00 - 5.00             |
| 8N-00022        | 40044     | U-235/236    | 0.113      | 0.0133 | 0.0249 | 0.151  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00022        | 40044     | U-238        | 0.808      | 0.0253 | 0.0808 | 1.8    | 1.00 - 5.00             |
| 8N-00022        | 40257     | Ac-227       | -0.0957 U  | 0.181  | 0.0588 | 0.217  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Am-241       | 0.0062     | 0.0084 | 0.0044 | 0.0454 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Bi-212       | 1.04 J     | 0.169  | 0.11   | 2.15   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Bi-214       | 0.905      | 0.0313 | 0.0437 | 1.59   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Cd-113m      | 21.8 U     | 125    | 41.8   | 3030   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Cm-243/244   | 0.009 UJ   | 0.0287 | 0.0081 | 0.0443 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Co-60        | 0.0033 U   | 0.0201 | 0.0058 | 0.028  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Cs-134       | 0.0037 U   | 0.0182 | 0.0061 | 0.0864 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Cs-137       | 0.0115     | 0.0178 | 0.0069 | 0.207  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Eu-152       | -0.001 U   | 0.0465 | 0.015  | 0.0566 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Eu-154       | -0.0631 U  | 0.104  | 0.0345 | 0.15   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Eu-155       | 0.0751 JS  | 0.0662 | 0.0251 | 0.231  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Ho-166m      | -0.0202 UJ | 0.0271 | 0.0096 | 0.0432 | 1.00 - 5.00             |
| 8N-00022        | 40257     | K-40         | 19.2       | 0.139  | 1.05   | 32.4   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Na-22        | -0.0034 U  | 0.0247 | 0.0074 | 0.037  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Nb-94        | -0.0009 U  | 0.0159 | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Np-236       | -0.0174 U  | 0.0343 | 0.0113 | 0.047  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Np-239       | 0.0252 U   | 0.124  | 0.0366 | 0.139  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Pa-231       | -0.323 U   | 0.752  | 0.256  | 0.936  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Pb-212       | 1.64       | 0.0381 | 0.095  | 2.69   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Pb-214       | 1.03       | 0.0334 | 0.0486 | 1.7    | 1.00 - 5.00             |
| 8N-00022        | 40257     | Pu-238       | 0.0094     | 0.014  | 0.0052 | 0.0415 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Pu-239/240   | 0.005      | 0.014  | 0.0041 | 0.0404 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Pu-244       | 0.0138     | 0.014  | 0.0061 | 0.0313 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Sb-125       | -0.0034 U  | 0.0498 | 0.0151 | 0.354  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Sn-126       | 0.0001 U   | 0.0178 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8N-00022        | 40257     | Sr-90        | 0.277      | 0.206  | 0.079  | 0.485  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Th-228       | 1.2        | 0.0828 | 0.139  | 3.98   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Th-229       | -0.0091 UJ | 0.0848 | 0.0158 | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00022        | 40257     | Th-230       | 0.874     | 0.0247 | 0.105  | 2.2    | 1.00 - 5.00             |
| 8N-00022        | 40257     | Th-232       | 1.19      | 0.0246 | 0.128  | 3.1    | 1.00 - 5.00             |
| 8N-00022        | 40257     | Th-234       | 1.16 J    | 0.267  | 0.129  | 3.19   | 1.00 - 5.00             |
| 8N-00022        | 40257     | Tl-208       | 0.548     | 0.0209 | 0.0315 | 0.937  | 1.00 - 5.00             |
| 8N-00022        | 40257     | Tm-171       | -7.65 U   | 13.1   | 4.78   | 72.4   | 1.00 - 5.00             |
| 8N-00022        | 40257     | U-233/234    | 0.7       | 0.0507 | 0.0771 | 2.02   | 1.00 - 5.00             |
| 8N-00022        | 40257     | U-235/236    | 0.0393    | 0.0521 | 0.0189 | 0.151  | 1.00 - 5.00             |
| 8N-00022        | 40257     | U-238        | 0.89      | 0.0296 | 0.0911 | 1.8    | 1.00 - 5.00             |
| 8N-00023        | 40045     | Ac-227       | 0.037 U   | 0.219  | 0.0652 | 0.217  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Am-241       | 0.0023    | 0.0062 | 0.0023 | 0.0454 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Bi-212       | 1.01 J    | 0.175  | 0.102  | 2.15   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Bi-214       | 0.784     | 0.0352 | 0.0401 | 1.59   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Cd-113m      | 36.8 U    | 148    | 44.4   | 3030   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Cm-243/244   | 0.0024    | 0.0064 | 0.0024 | 0.0443 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Co-60        | 0.0041 U  | 0.022  | 0.0064 | 0.028  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Cs-134       | -0.0084 U | 0.0191 | 0.007  | 0.0864 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Cs-137       | 0.061     | 0.0215 | 0.0088 | 0.207  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Eu-152       | 0.0158 U  | 0.0546 | 0.0172 | 0.0566 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Eu-154       | -0.0271 U | 0.11   | 0.0331 | 0.15   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Eu-155       | 0.0208 U  | 0.0804 | 0.0249 | 0.231  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Ho-166m      | -0.013 U  | 0.0286 | 0.0093 | 0.0432 | 0.00 - 0.50             |
| 8N-00023        | 40045     | K-40         | 20.6      | 0.156  | 1.28   | 32.4   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Na-22        | -0.0077 U | 0.0273 | 0.0084 | 0.037  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Nb-94        | 0.004 U   | 0.0175 | 0.0052 | 0.0214 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Np-236       | -0.0033 U | 0.0402 | 0.0124 | 0.047  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Np-239       | -0.0133 U | 0.141  | 0.0419 | 0.139  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Pa-231       | -0.51 U   | 0.85   | 0.296  | 0.936  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Pb-212       | 1.52      | 0.0431 | 0.0987 | 2.69   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Pb-214       | 0.861     | 0.0376 | 0.0439 | 1.7    | 0.00 - 0.50             |
| 8N-00023        | 40045     | Pu-236       | 0.0071 U  | 0.0218 | 0.0062 | 0.0448 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00023        | 40045     | Pu-238       | 0.003 U    | 0.0151 | 0.0038 | 0.0415 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Pu-239/240   | 0.005 U    | 0.0237 | 0.0063 | 0.0404 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Pu-244       | 0          | 0.0064 | 0.0024 | 0.0313 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Sb-125       | 0.0193 U   | 0.0568 | 0.0176 | 0.354  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Sn-126       | -0.0014 U  | 0.0189 | 0.0056 | 0.0237 | 0.00 - 0.50             |
| 8N-00023        | 40045     | Sr-90        | 0.0226 U   | 0.183  | 0.0522 | 0.485  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Th-228       | 1.44       | 0.0961 | 0.138  | 3.98   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Th-229       | -0.0128 U  | 0.102  | 0.024  | 0.145  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Th-230       | 0.877      | 0.0472 | 0.0914 | 2.2    | 0.00 - 0.50             |
| 8N-00023        | 40045     | Th-232       | 1.23       | 0.0173 | 0.114  | 3.1    | 0.00 - 0.50             |
| 8N-00023        | 40045     | Th-234       | 1.01 J     | 0.32   | 0.156  | 3.19   | 0.00 - 0.50             |
| 8N-00023        | 40045     | Tl-208       | 0.467      | 0.0226 | 0.028  | 0.937  | 0.00 - 0.50             |
| 8N-00023        | 40045     | Tm-171       | -6.25 U    | 20.7   | 7.19   | 72.4   | 0.00 - 0.50             |
| 8N-00023        | 40045     | U-233/234    | 0.511      | 0.0439 | 0.0712 | 2.02   | 0.00 - 0.50             |
| 8N-00023        | 40045     | U-235/236    | 0.0364     | 0.0542 | 0.0202 | 0.151  | 0.00 - 0.50             |
| 8N-00023        | 40045     | U-238        | 0.699      | 0.0543 | 0.0879 | 1.8    | 0.00 - 0.50             |
| 8N-00023        | 40046     | Ac-227       | -0.041 U   | 0.195  | 0.0591 | 0.217  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Am-241       | 0.0107     | 0.0058 | 0.0048 | 0.0454 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Bi-212       | 1.02       | 0.159  | 0.0957 | 2.15   | 1.00 - 5.00             |
| 8N-00023        | 40046     | Bi-214       | 0.811      | 0.0293 | 0.0403 | 1.59   | 1.00 - 5.00             |
| 8N-00023        | 40046     | Cd-113m      | -48.2 U    | 132    | 42.6   | 3030   | 1.00 - 5.00             |
| 8N-00023        | 40046     | Cm-243/244   | -0.0004 U  | 0.0198 | 0.0041 | 0.0443 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Co-60        | 0.0099 U   | 0.0211 | 0.0063 | 0.028  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Cs-134       | 0.0005 UJ  | 0.0179 | 0.0061 | 0.0864 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Cs-137       | -0.0062 U  | 0.0175 | 0.0055 | 0.207  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Eu-152       | -0.0112 U  | 0.0473 | 0.0168 | 0.0566 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Eu-154       | -0.0961 UJ | 0.101  | 0.0389 | 0.15   | 1.00 - 5.00             |
| 8N-00023        | 40046     | Eu-155       | 0.0746 JS  | 0.0737 | 0.0306 | 0.231  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Ho-166m      | 0.0095 U   | 0.0279 | 0.0085 | 0.0432 | 1.00 - 5.00             |
| 8N-00023        | 40046     | K-40         | 18.2       | 0.138  | 1.15   | 32.4   | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00023        | 40046     | Na-22        | -0.0176 U | 0.0251 | 0.0089 | 0.037  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Nb-94        | 0.002 U   | 0.0153 | 0.0046 | 0.0214 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Np-236       | -0.0171 U | 0.0368 | 0.0121 | 0.047  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Np-239       | 0.0916 J  | 0.135  | 0.0446 | 0.139  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Pa-231       | -0.108 U  | 0.799  | 0.241  | 0.936  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Pb-212       | 1.64      | 0.0404 | 0.1    | 2.69   | 1.00 - 5.00             |
| 8N-00023        | 40046     | Pb-214       | 0.942     | 0.0344 | 0.0468 | 1.7    | 1.00 - 5.00             |
| 8N-00023        | 40046     | Pu-238       | 0         | 0.0077 | 0.0029 | 0.0415 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Pu-239/240   | 0.0016 UJ | 0.0224 | 0.005  | 0.0404 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Pu-244       | 0.0008 UJ | 0.0181 | 0.0035 | 0.0313 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Sb-125       | -0.0191 U | 0.0487 | 0.015  | 0.354  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Sn-126       | 0.0017 U  | 0.018  | 0.0053 | 0.0237 | 1.00 - 5.00             |
| 8N-00023        | 40046     | Sr-90        | 0.0054 U  | 0.178  | 0.0489 | 0.485  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Th-228       | 1.7       | 0.102  | 0.158  | 3.98   | 1.00 - 5.00             |
| 8N-00023        | 40046     | Th-229       | 0.0276    | 0.0641 | 0.0196 | 0.145  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Th-230       | 1.1       | 0.0187 | 0.108  | 2.2    | 1.00 - 5.00             |
| 8N-00023        | 40046     | Th-232       | 1.33      | 0.0186 | 0.123  | 3.1    | 1.00 - 5.00             |
| 8N-00023        | 40046     | Th-234       | 1.35 J    | 0.291  | 0.155  | 3.19   | 1.00 - 5.00             |
| 8N-00023        | 40046     | Tl-208       | 0.502     | 0.0197 | 0.0299 | 0.937  | 1.00 - 5.00             |
| 8N-00023        | 40046     | Tm-171       | -8.4 U    | 18     | 6.4    | 72.4   | 1.00 - 5.00             |
| 8N-00023        | 40046     | U-233/234    | 0.725     | 0.0286 | 0.0727 | 2.02   | 1.00 - 5.00             |
| 8N-00023        | 40046     | U-235/236    | 0.0494    | 0.0122 | 0.0153 | 0.151  | 1.00 - 5.00             |
| 8N-00023        | 40046     | U-238        | 0.777     | 0.0098 | 0.0763 | 1.8    | 1.00 - 5.00             |
| 8N-00024        | 40047     | Ac-227       | -0.0121 U | 0.23   | 0.0695 | 0.217  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Am-241       | 0.0106    | 0.0218 | 0.0068 | 0.0454 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Bi-212       | 1.23      | 0.184  | 0.123  | 2.15   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Bi-214       | 1.08      | 0.0355 | 0.0522 | 1.59   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Cd-113m      | 37.8 U    | 156    | 49.1   | 3030   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Cm-243/244   | -0.0063 U | 0.0223 | 0.0039 | 0.0443 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Co-60        | 0.0058 U  | 0.0225 | 0.0065 | 0.028  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00024        | 40047     | Cs-134       | 0.0013 U  | 0.0212 | 0.0072 | 0.0864 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Cs-137       | 0.0174    | 0.022  | 0.0082 | 0.207  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Eu-152       | -0.0221 U | 0.0573 | 0.0227 | 0.0566 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Eu-154       | 0.0038 U  | 0.126  | 0.0361 | 0.15   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Eu-155       | 0.0712 SJ | 0.0824 | 0.0297 | 0.231  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Ho-166m      | 0.005 U   | 0.0324 | 0.0096 | 0.0432 | 0.00 - 0.50             |
| 8N-00024        | 40047     | K-40         | 20.7      | 0.173  | 1.17   | 32.4   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Na-22        | -0.002 U  | 0.0284 | 0.0084 | 0.037  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Nb-94        | 0.0018 U  | 0.0192 | 0.0057 | 0.0214 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Np-236       | 0.0059 U  | 0.0424 | 0.0125 | 0.047  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Np-239       | 0.034 U   | 0.153  | 0.0463 | 0.139  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Pa-231       | -0.156 U  | 0.926  | 0.294  | 0.936  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Pb-212       | 1.98      | 0.0473 | 0.116  | 2.69   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Pb-214       | 1.17      | 0.0408 | 0.0571 | 1.7    | 0.00 - 0.50             |
| 8N-00024        | 40047     | Pu-238       | -0.003 U  | 0.0264 | 0.0051 | 0.0415 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Pu-239/240   | 0.0135    | 0.0263 | 0.0088 | 0.0404 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Pu-244       | 0         | 0.0112 | 0.0041 | 0.0313 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Sb-125       | -0.0059 U | 0.0617 | 0.018  | 0.354  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Sn-126       | -0.0045 U | 0.0207 | 0.0063 | 0.0237 | 0.00 - 0.50             |
| 8N-00024        | 40047     | Sr-90        | 0.016 U   | 0.0973 | 0.0267 | 0.485  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Th-228       | 1.72      | 0.15   | 0.165  | 3.98   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Th-229       | 0.0214 U  | 0.0855 | 0.0236 | 0.145  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Th-230       | 0.717     | 0.066  | 0.084  | 2.2    | 0.00 - 0.50             |
| 8N-00024        | 40047     | Th-232       | 1.29      | 0.0658 | 0.123  | 3.1    | 0.00 - 0.50             |
| 8N-00024        | 40047     | Th-234       | 1.59 J    | 0.327  | 0.17   | 3.19   | 0.00 - 0.50             |
| 8N-00024        | 40047     | Tl-208       | 0.615     | 0.0246 | 0.0365 | 0.937  | 0.00 - 0.50             |
| 8N-00024        | 40047     | Tm-171       | -0.538 U  | 17.9   | 6.25   | 72.4   | 0.00 - 0.50             |
| 8N-00024        | 40047     | U-233/234    | 0.569     | 0.0508 | 0.0712 | 2.02   | 0.00 - 0.50             |
| 8N-00024        | 40047     | U-235/236    | 0.0228    | 0.0442 | 0.0148 | 0.151  | 0.00 - 0.50             |
| 8N-00024        | 40047     | U-238        | 0.792     | 0.0152 | 0.0885 | 1.8    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00024        | 40048     | Ac-227       | -0.0367 U  | 0.212  | 0.0658 | 0.217  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Am-241       | -0.0018 U  | 0.0327 | 0.0059 | 0.0454 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Bi-212       | 0.984      | 0.16   | 0.095  | 2.15   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Bi-214       | 0.971      | 0.0314 | 0.0456 | 1.59   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Cd-113m      | -37.3 U    | 141    | 45.9   | 3030   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Cm-243/244   | -0.0019 U  | 0.0334 | 0.0061 | 0.0443 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Co-60        | 0.0045 U   | 0.018  | 0.0052 | 0.028  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Cs-134       | 0.0049 U   | 0.0181 | 0.0062 | 0.0864 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Cs-137       | 0.006 U    | 0.0173 | 0.006  | 0.207  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Eu-152       | -0.012 U   | 0.0516 | 0.0187 | 0.0566 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Eu-154       | -0.0654 LU | 0.093  | 0.0323 | 0.15   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Eu-155       | 0.106 SJ   | 0.0801 | 0.0297 | 0.231  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Ho-166m      | -0.005 U   | 0.026  | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8N-00024        | 40048     | K-40         | 16.7       | 0.16   | 1.02   | 32.4   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Na-22        | 0.0026 U   | 0.0224 | 0.0073 | 0.037  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Nb-94        | 0.0024 U   | 0.0152 | 0.0045 | 0.0214 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Np-236       | -0.0042 U  | 0.0402 | 0.013  | 0.047  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Np-239       | 0.0979 J   | 0.143  | 0.0486 | 0.139  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Pa-231       | -0.209 U   | 0.848  | 0.289  | 0.936  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Pb-212       | 1.78       | 0.0443 | 0.11   | 2.69   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Pb-214       | 1.09       | 0.035  | 0.0522 | 1.7    | 1.00 - 5.00             |
| 8N-00024        | 40048     | Pu-238       | 0.0105     | 0.0071 | 0.0053 | 0.0415 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Pu-239/240   | 0.0056 U   | 0.0263 | 0.007  | 0.0404 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Pu-244       | 0.0052     | 0.0071 | 0.0037 | 0.0313 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Sb-125       | 0.0146 U   | 0.0527 | 0.0156 | 0.354  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Sn-126       | 0.0021 U   | 0.017  | 0.0051 | 0.0237 | 1.00 - 5.00             |
| 8N-00024        | 40048     | Sr-90        | 0.144      | 0.208  | 0.0666 | 0.485  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Th-228       | 1.58       | 0.107  | 0.153  | 3.98   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Th-229       | 0.0428     | 0.0193 | 0.0177 | 0.145  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Th-230       | 0.783      | 0.0524 | 0.0884 | 2.2    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00024        | 40048     | Th-232       | 1.3       | 0.0523 | 0.123  | 3.1    | 1.00 - 5.00             |
| 8N-00024        | 40048     | Th-234       | 1.62 J    | 0.327  | 0.178  | 3.19   | 1.00 - 5.00             |
| 8N-00024        | 40048     | Tl-208       | 0.518     | 0.0204 | 0.0297 | 0.937  | 1.00 - 5.00             |
| 8N-00024        | 40048     | Tm-171       | -7.54 U   | 18.8   | 6.62   | 72.4   | 1.00 - 5.00             |
| 8N-00024        | 40048     | U-233/234    | 0.61      | 0.0349 | 0.0654 | 2.02   | 1.00 - 5.00             |
| 8N-00024        | 40048     | U-235/236    | 0.0286    | 0.0129 | 0.0118 | 0.151  | 1.00 - 5.00             |
| 8N-00024        | 40048     | U-238        | 0.831     | 0.0304 | 0.0819 | 1.8    | 1.00 - 5.00             |
| 8N-00025        | 40049     | Ac-227       | -0.136 U  | 0.242  | 0.08   | 0.217  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Am-241       | 0.0087    | 0.0242 | 0.0071 | 0.0454 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Bi-212       | 1.29      | 0.186  | 0.112  | 2.15   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Bi-214       | 1.09      | 0.0377 | 0.0535 | 1.59   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Cd-113m      | -87.4 U   | 159    | 52.6   | 3030   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Cm-243/244   | 0.0155    | 0.0105 | 0.0078 | 0.0443 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Co-60        | 0.0112 U  | 0.0258 | 0.0076 | 0.028  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Cs-134       | -0.0022 U | 0.0218 | 0.0075 | 0.0864 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Cs-137       | -0.0106 U | 0.0222 | 0.0073 | 0.207  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Eu-152       | -0.0128 U | 0.0595 | 0.021  | 0.0566 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Eu-154       | 0.0032 U  | 0.129  | 0.0376 | 0.15   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Eu-155       | 0.106 SJ  | 0.0934 | 0.0373 | 0.231  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Ho-166m      | -0.0015 U | 0.0335 | 0.01   | 0.0432 | 0.00 - 0.50             |
| 8N-00025        | 40049     | K-40         | 23.8      | 0.158  | 1.51   | 32.4   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Na-22        | -0.0039 U | 0.0295 | 0.01   | 0.037  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Nb-94        | 0.0061 U  | 0.0198 | 0.006  | 0.0214 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Np-236       | -0.0286 U | 0.0439 | 0.0153 | 0.047  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Np-239       | 0.0563 U  | 0.162  | 0.0492 | 0.139  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Pa-231       | -0.482 U  | 0.983  | 0.321  | 0.936  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Pb-212       | 2.03      | 0.0496 | 0.124  | 2.69   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Pb-214       | 1.29      | 0.0394 | 0.0629 | 1.7    | 0.00 - 0.50             |
| 8N-00025        | 40049     | Pu-238       | 0.0025 U  | 0.0347 | 0.0077 | 0.0415 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Pu-239/240   | -0.0051 U | 0.0396 | 0.007  | 0.0404 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00025        | 40049     | Pu-244       | 0.0044    | 0.0118 | 0.0044 | 0.0313 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Sb-125       | -0.0159 U | 0.0622 | 0.0186 | 0.354  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Sn-126       | -0.0018 U | 0.0212 | 0.0064 | 0.0237 | 0.00 - 0.50             |
| 8N-00025        | 40049     | Sr-90        | -0.0586 U | 0.145  | 0.0346 | 0.485  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Th-228       | 1.49      | 0.0813 | 0.144  | 3.98   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Th-229       | 0.0484    | 0.0187 | 0.0185 | 0.145  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Th-230       | 0.965     | 0.0187 | 0.099  | 2.2    | 0.00 - 0.50             |
| 8N-00025        | 40049     | Th-232       | 1.34      | 0.0186 | 0.124  | 3.1    | 0.00 - 0.50             |
| 8N-00025        | 40049     | Th-234       | 1.47 J    | 0.356  | 0.18   | 3.19   | 0.00 - 0.50             |
| 8N-00025        | 40049     | Tl-208       | 0.642     | 0.0253 | 0.0368 | 0.937  | 0.00 - 0.50             |
| 8N-00025        | 40049     | Tm-171       | 4.31 U    | 23.2   | 7.76   | 72.4   | 0.00 - 0.50             |
| 8N-00025        | 40049     | U-233/234    | 0.755     | 0.0309 | 0.0818 | 2.02   | 0.00 - 0.50             |
| 8N-00025        | 40049     | U-235/236    | 0.0617    | 0.0383 | 0.0209 | 0.151  | 0.00 - 0.50             |
| 8N-00025        | 40049     | U-238        | 0.717     | 0.0567 | 0.0798 | 1.8    | 0.00 - 0.50             |
| 8N-00025        | 40050     | Ac-227       | 0.0159 U  | 0.206  | 0.0616 | 0.217  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Am-241       | 0.0081    | 0.0121 | 0.0045 | 0.0454 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Bi-212       | 1.08      | 0.192  | 0.0997 | 2.15   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Bi-214       | 0.747     | 0.0332 | 0.0389 | 1.59   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Cd-113m      | 38.6 U    | 142    | 46.3   | 3030   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Cm-243/244   | 0.0097    | 0.0053 | 0.0044 | 0.0443 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Co-60        | -0.0017 U | 0.0198 | 0.0058 | 0.028  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Cs-134       | -0.0101 U | 0.0194 | 0.0073 | 0.0864 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Cs-137       | 0.0017 U  | 0.0188 | 0.0063 | 0.207  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Eu-152       | -0.0137 U | 0.0522 | 0.0177 | 0.0566 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Eu-154       | -0.0254 U | 0.108  | 0.0322 | 0.15   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Eu-155       | 0.0573 JS | 0.081  | 0.0269 | 0.231  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Ho-166m      | 0.0091 U  | 0.0311 | 0.0092 | 0.0432 | 1.00 - 5.00             |
| 8N-00025        | 40050     | K-40         | 16        | 0.129  | 0.908  | 32.4   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Na-22        | -0.0075 U | 0.0257 | 0.0079 | 0.037  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Nb-94        | 0.0086 J  | 0.0177 | 0.0054 | 0.0214 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00025        | 40050     | Np-236       | -0.0043 U | 0.0393 | 0.0116 | 0.047  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Np-239       | -0.0443 U | 0.141  | 0.0439 | 0.139  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Pa-231       | 0.204 U   | 0.871  | 0.285  | 0.936  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Pb-212       | 1.85      | 0.0432 | 0.109  | 2.69   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Pb-214       | 0.884     | 0.0368 | 0.0445 | 1.7    | 1.00 - 5.00             |
| 8N-00025        | 40050     | Pu-238       | 0.0006 U  | 0.0126 | 0.0024 | 0.0415 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Pu-239/240   | 0.0036 U  | 0.0178 | 0.0046 | 0.0404 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Pu-244       | 0.0118    | 0.0053 | 0.0049 | 0.0313 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Sb-125       | 0.0153 U  | 0.056  | 0.0163 | 0.354  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Sn-126       | 0.0048 U  | 0.0196 | 0.0058 | 0.0237 | 1.00 - 5.00             |
| 8N-00025        | 40050     | Sr-90        | 0.108 U   | 0.191  | 0.0597 | 0.485  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Th-228       | 1.18      | 0.131  | 0.128  | 3.98   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Th-229       | 0.028     | 0.0515 | 0.0172 | 0.145  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Th-230       | 0.621     | 0.0514 | 0.0761 | 2.2    | 1.00 - 5.00             |
| 8N-00025        | 40050     | Th-232       | 1.19      | 0.0749 | 0.116  | 3.1    | 1.00 - 5.00             |
| 8N-00025        | 40050     | Th-234       | 1.66 J    | 0.297  | 0.17   | 3.19   | 1.00 - 5.00             |
| 8N-00025        | 40050     | Tl-208       | 0.553     | 0.0229 | 0.0333 | 0.937  | 1.00 - 5.00             |
| 8N-00025        | 40050     | Tm-171       | 2.7 U     | 16.5   | 5.75   | 72.4   | 1.00 - 5.00             |
| 8N-00025        | 40050     | U-233/234    | 0.654     | 0.0424 | 0.0732 | 2.02   | 1.00 - 5.00             |
| 8N-00025        | 40050     | U-235/236    | 0.0347    | 0.0157 | 0.0144 | 0.151  | 1.00 - 5.00             |
| 8N-00025        | 40050     | U-238        | 0.677     | 0.0369 | 0.0748 | 1.8    | 1.00 - 5.00             |
| 8N-00025        | 40256     | Ac-227       | -0.0535 U | 0.219  | 0.0691 | 0.217  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Am-241       | 0.003 U   | 0.0151 | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Bi-212       | 1.04 J    | 0.19   | 0.114  | 2.15   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Bi-214       | 0.756     | 0.0329 | 0.0392 | 1.59   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Cd-113m      | -131 UJ   | 143    | 57     | 3030   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Cm-243/244   | 0.0025 U  | 0.0125 | 0.0031 | 0.0443 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Co-60        | -0.002 U  | 0.0203 | 0.006  | 0.028  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Cs-134       | -0.0004 U | 0.0197 | 0.0066 | 0.0864 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Cs-137       | -0.0029 U | 0.0191 | 0.0056 | 0.207  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00025        | 40256     | Eu-152       | -0.0507 UJ | 0.0533 | 0.0236 | 0.0566 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Eu-154       | 0.0116 U   | 0.108  | 0.0371 | 0.15   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Eu-155       | 0.0478 JS  | 0.088  | 0.0281 | 0.231  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Ho-166m      | 0.0041 U   | 0.0299 | 0.0087 | 0.0432 | 1.00 - 5.00             |
| 8N-00025        | 40256     | K-40         | 15.4       | 0.14   | 0.971  | 32.4   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Na-22        | -0.0237 UJ | 0.0262 | 0.0099 | 0.037  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Nb-94        | 0.0026 U   | 0.0171 | 0.005  | 0.0214 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Np-236       | -0.0059 U  | 0.0424 | 0.0127 | 0.047  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Np-239       | 0.0627 U   | 0.148  | 0.047  | 0.139  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Pa-231       | -0.295 U   | 0.884  | 0.286  | 0.936  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Pb-212       | 1.73       | 0.0451 | 0.115  | 2.69   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Pb-214       | 0.808      | 0.0385 | 0.0445 | 1.7    | 1.00 - 5.00             |
| 8N-00025        | 40256     | Pu-238       | 0.0018 U   | 0.0235 | 0.0059 | 0.0415 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Pu-239/240   | 0.0024 U   | 0.012  | 0.003  | 0.0404 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Pu-244       | 0.0151 J   | 0.0051 | 0.0054 | 0.0313 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Sb-125       | 0.0087 U   | 0.0574 | 0.017  | 0.354  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Sn-126       | -0.0076 U  | 0.0187 | 0.0059 | 0.0237 | 1.00 - 5.00             |
| 8N-00025        | 40256     | Sr-90        | 0.12 U     | 0.21   | 0.0658 | 0.485  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Th-228       | 1.36       | 0.144  | 0.132  | 3.98   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Th-229       | 0 U        | 0.0807 | 0.0198 | 0.145  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Th-230       | 0.707      | 0.053  | 0.0767 | 2.2    | 1.00 - 5.00             |
| 8N-00025        | 40256     | Th-232       | 1.11       | 0.0419 | 0.103  | 3.1    | 1.00 - 5.00             |
| 8N-00025        | 40256     | Th-234       | 1.45 J     | 0.339  | 0.179  | 3.19   | 1.00 - 5.00             |
| 8N-00025        | 40256     | Tl-208       | 0.517      | 0.0235 | 0.03   | 0.937  | 1.00 - 5.00             |
| 8N-00025        | 40256     | Tm-171       | -10.2 U    | 25.4   | 8.82   | 72.4   | 1.00 - 5.00             |
| 8N-00025        | 40256     | U-233/234    | 0.588      | 0.0271 | 0.0655 | 2.02   | 1.00 - 5.00             |
| 8N-00025        | 40256     | U-235/236    | 0.0474     | 0.0143 | 0.0161 | 0.151  | 1.00 - 5.00             |
| 8N-00025        | 40256     | U-238        | 0.661      | 0.0271 | 0.0712 | 1.8    | 1.00 - 5.00             |
| 8N-00026        | 40051     | Ac-227       | 0.0086 U   | 0.225  | 0.0668 | 0.217  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Am-241       | -0.0019 U  | 0.0219 | 0.0044 | 0.0454 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00026        | 40051     | Bi-212       | 1.2       | 0.175  | 0.107  | 2.15   | 0.00 - 0.50             |
| 8N-00026        | 40051     | Bi-214       | 1.02      | 0.0346 | 0.0498 | 1.59   | 0.00 - 0.50             |
| 8N-00026        | 40051     | Cd-113m      | 5.81 U    | 150    | 44.6   | 3030   | 0.00 - 0.50             |
| 8N-00026        | 40051     | Cm-243/244   | 0.0073    | 0.0142 | 0.0048 | 0.0443 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Co-60        | -0.0143 U | 0.0208 | 0.0073 | 0.028  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Cs-134       | 0.0002 U  | 0.0205 | 0.0069 | 0.0864 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Cs-137       | -0.0028 U | 0.0216 | 0.0065 | 0.207  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Eu-152       | -0.0098 U | 0.0556 | 0.0195 | 0.0566 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Eu-154       | -0.0673 U | 0.112  | 0.0374 | 0.15   | 0.00 - 0.50             |
| 8N-00026        | 40051     | Eu-155       | 0.0874 SJ | 0.0812 | 0.0342 | 0.231  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Ho-166m      | 0.0014 U  | 0.0305 | 0.009  | 0.0432 | 0.00 - 0.50             |
| 8N-00026        | 40051     | K-40         | 20.7      | 0.153  | 1.28   | 32.4   | 0.00 - 0.50             |
| 8N-00026        | 40051     | Na-22        | -0.0112 U | 0.0284 | 0.009  | 0.037  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Nb-94        | 0.0059 U  | 0.0175 | 0.0053 | 0.0214 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Np-236       | -0.0106 U | 0.0418 | 0.0132 | 0.047  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Np-239       | -0.0156 U | 0.147  | 0.0437 | 0.139  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Pa-231       | -0.205 U  | 0.919  | 0.304  | 0.936  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Pb-212       | 1.78      | 0.0469 | 0.116  | 2.69   | 0.00 - 0.50             |
| 8N-00026        | 40051     | Pb-214       | 1.16      | 0.039  | 0.057  | 1.7    | 0.00 - 0.50             |
| 8N-00026        | 40051     | Pu-238       | -0.0083 U | 0.0337 | 0.0065 | 0.0415 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Pu-239/240   | -0.0051 U | 0.0272 | 0.0048 | 0.0404 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Pu-244       | 0.0027    | 0.0073 | 0.0027 | 0.0313 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Sb-125       | 0.0088 U  | 0.0583 | 0.0177 | 0.354  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Sn-126       | 0.0061 U  | 0.0203 | 0.0061 | 0.0237 | 0.00 - 0.50             |
| 8N-00026        | 40051     | Sr-90        | -0.0256 U | 0.153  | 0.0397 | 0.485  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Th-228       | 1.56      | 0.0824 | 0.149  | 3.98   | 0.00 - 0.50             |
| 8N-00026        | 40051     | Th-229       | 0.0351 U  | 0.092  | 0.0272 | 0.145  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Th-230       | 0.979     | 0.065  | 0.101  | 2.2    | 0.00 - 0.50             |
| 8N-00026        | 40051     | Th-232       | 1.37      | 0.0189 | 0.126  | 3.1    | 0.00 - 0.50             |
| 8N-00026        | 40051     | Th-234       | 1.81 J    | 0.428  | 0.467  | 3.19   | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00026        | 40051     | Tl-208       | 0.558      | 0.023  | 0.0329 | 0.937  | 0.00 - 0.50             |
| 8N-00026        | 40051     | Tm-171       | -3.72 U    | 22     | 6.69   | 72.4   | 0.00 - 0.50             |
| 8N-00026        | 40051     | U-233/234    | 0.58       | 0.0333 | 0.0649 | 2.02   | 0.00 - 0.50             |
| 8N-00026        | 40051     | U-235/236    | 0.0418     | 0.0142 | 0.0151 | 0.151  | 0.00 - 0.50             |
| 8N-00026        | 40051     | U-238        | 0.672      | 0.0424 | 0.0724 | 1.8    | 0.00 - 0.50             |
| 8N-00026        | 40052     | Ac-227       | -0.119 U   | 0.215  | 0.0711 | 0.217  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Am-241       | 0.0025 U   | 0.0122 | 0.003  | 0.0454 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Bi-212       | 1.16       | 0.185  | 0.115  | 2.15   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Bi-214       | 0.857      | 0.033  | 0.043  | 1.59   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Cd-113m      | -49.9 U    | 144    | 48.4   | 3030   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Cm-243/244   | 0.0078     | 0.0053 | 0.0039 | 0.0443 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Co-60        | -0.0014 U  | 0.0208 | 0.006  | 0.028  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Cs-134       | -0.0071 U  | 0.0198 | 0.0071 | 0.0864 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Cs-137       | -0.0138 UJ | 0.0189 | 0.0067 | 0.207  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Eu-152       | -0.0242 U  | 0.0552 | 0.0193 | 0.0566 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Eu-154       | 0.0481 U   | 0.12   | 0.0358 | 0.15   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Eu-155       | 0.0883 JS  | 0.0815 | 0.0305 | 0.231  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Ho-166m      | 0.0092 U   | 0.0308 | 0.0093 | 0.0432 | 1.00 - 5.00             |
| 8N-00026        | 40052     | K-40         | 17.1       | 0.147  | 1.09   | 32.4   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Na-22        | -0.0095 U  | 0.0267 | 0.0085 | 0.037  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Nb-94        | 0.007 U    | 0.0177 | 0.0054 | 0.0214 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Np-236       | -0.0166 U  | 0.0395 | 0.0129 | 0.047  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Np-239       | -0.0374 U  | 0.142  | 0.0432 | 0.139  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Pa-231       | 0.136 U    | 0.892  | 0.287  | 0.936  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Pb-212       | 1.92       | 0.0456 | 0.117  | 2.69   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Pb-214       | 0.984      | 0.0381 | 0.0497 | 1.7    | 1.00 - 5.00             |
| 8N-00026        | 40052     | Pu-238       | 0.0022 U   | 0.0241 | 0.0057 | 0.0415 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Pu-239/240   | 0.0071 U   | 0.031  | 0.0084 | 0.0404 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Pu-244       | 0.0015 U   | 0.0209 | 0.0046 | 0.0313 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Sb-125       | -0.0219 U  | 0.0566 | 0.0175 | 0.354  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00026        | 40052     | Sn-126       | -0.0029 U | 0.0192 | 0.0058 | 0.0237 | 1.00 - 5.00             |
| 8N-00026        | 40052     | Sr-90        | 0.214     | 0.224  | 0.0762 | 0.485  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Th-228       | 1.83      | 0.115  | 0.151  | 3.98   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Th-229       | 0.112     | 0.0547 | 0.0276 | 0.145  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Th-230       | 0.791     | 0.0715 | 0.0788 | 2.2    | 1.00 - 5.00             |
| 8N-00026        | 40052     | Th-232       | 1.24      | 0.0372 | 0.105  | 3.1    | 1.00 - 5.00             |
| 8N-00026        | 40052     | Th-234       | 1.6 J     | 0.319  | 0.183  | 3.19   | 1.00 - 5.00             |
| 8N-00026        | 40052     | Tl-208       | 0.581     | 0.024  | 0.0339 | 0.937  | 1.00 - 5.00             |
| 8N-00026        | 40052     | Tm-171       | 3.43 U    | 21.1   | 7.02   | 72.4   | 1.00 - 5.00             |
| 8N-00026        | 40052     | U-233/234    | 0.601     | 0.0379 | 0.0665 | 2.02   | 1.00 - 5.00             |
| 8N-00026        | 40052     | U-235/236    | 0.0429    | 0.033  | 0.0163 | 0.151  | 1.00 - 5.00             |
| 8N-00026        | 40052     | U-238        | 0.705     | 0.0267 | 0.0742 | 1.8    | 1.00 - 5.00             |
| 8N-00027        | 40053     | Ac-227       | -0.101 U  | 0.183  | 0.06   | 0.217  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Am-241       | 0.0102    | 0.0069 | 0.0051 | 0.0454 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Bi-212       | 0.945 J   | 0.257  | 0.244  | 2.15   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Bi-214       | 1.07      | 0.0308 | 0.0516 | 1.59   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Cd-113m      | 15.9 U    | 126    | 37.4   | 3030   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Cm-243/244   | 0.0104    | 0.0071 | 0.0053 | 0.0443 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Co-60        | -0.0007 U | 0.0213 | 0.0062 | 0.028  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Cs-134       | -0.0088 U | 0.0181 | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Cs-137       | 0.0565    | 0.0185 | 0.0097 | 0.207  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Eu-152       | 0.0002 U  | 0.0481 | 0.0164 | 0.0566 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Eu-154       | -0.0079 U | 0.113  | 0.0341 | 0.15   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Eu-155       | 0.128 JS  | 0.0621 | 0.0287 | 0.231  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Ho-166m      | -0.0031 U | 0.0285 | 0.0085 | 0.0432 | 0.00 - 0.50             |
| 8N-00027        | 40053     | K-40         | 20.2      | 0.14   | 1.14   | 32.4   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Na-22        | -0.009 U  | 0.0257 | 0.008  | 0.037  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Nb-94        | 0.0107 J  | 0.017  | 0.0055 | 0.0214 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Np-236       | 0.0006 U  | 0.0321 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Np-239       | -0.11 UJ  | 0.118  | 0.0441 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00027        | 40053     | Pa-231       | -0.0062 U  | 0.76   | 0.234  | 0.936  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Pb-212       | 1.77       | 0.0373 | 0.103  | 2.69   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Pb-214       | 1.18       | 0.0335 | 0.0546 | 1.7    | 0.00 - 0.50             |
| 8N-00027        | 40053     | Pu-238       | -0.0049 U  | 0.0362 | 0.0079 | 0.0415 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Pu-239/240   | 0.011      | 0.0075 | 0.0056 | 0.0404 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Pu-244       | 0.0035 U   | 0.0176 | 0.0044 | 0.0313 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Sb-125       | 0.0086 U   | 0.0517 | 0.0157 | 0.354  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Sn-126       | -0.0038 U  | 0.0178 | 0.0054 | 0.0237 | 0.00 - 0.50             |
| 8N-00027        | 40053     | Sr-90        | -0.0447 U  | 0.234  | 0.0605 | 0.485  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Th-228       | 1.47       | 0.125  | 0.146  | 3.98   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Th-229       | 0.0283     | 0.0521 | 0.0174 | 0.145  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Th-230       | 0.677      | 0.0655 | 0.0808 | 2.2    | 0.00 - 0.50             |
| 8N-00027        | 40053     | Th-232       | 1.01       | 0.0191 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8N-00027        | 40053     | Th-234       | 1.38 J     | 0.256  | 0.141  | 3.19   | 0.00 - 0.50             |
| 8N-00027        | 40053     | Tl-208       | 0.569      | 0.0215 | 0.0332 | 0.937  | 0.00 - 0.50             |
| 8N-00027        | 40053     | Tm-171       | -4.64 U    | 12.9   | 4.51   | 72.4   | 0.00 - 0.50             |
| 8N-00027        | 40053     | U-233/234    | 0.726      | 0.0543 | 0.0901 | 2.02   | 0.00 - 0.50             |
| 8N-00027        | 40053     | U-235/236    | 0.0364     | 0.0542 | 0.0202 | 0.151  | 0.00 - 0.50             |
| 8N-00027        | 40053     | U-238        | 0.627      | 0.069  | 0.0824 | 1.8    | 0.00 - 0.50             |
| 8N-00027        | 40054     | Ac-227       | 0.0812 U   | 0.202  | 0.0607 | 0.217  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Am-241       | 0.0035 U   | 0.0174 | 0.0043 | 0.0454 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Bi-212       | 1.29       | 0.153  | 0.108  | 2.15   | 1.00 - 5.00             |
| 8N-00027        | 40054     | Bi-214       | 1.03       | 0.0291 | 0.0496 | 1.59   | 1.00 - 5.00             |
| 8N-00027        | 40054     | Cd-113m      | -4.82 U    | 129    | 38.6   | 3030   | 1.00 - 5.00             |
| 8N-00027        | 40054     | Cm-243/244   | 0.0016 U   | 0.022  | 0.0049 | 0.0443 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Co-60        | -0.001 U   | 0.0184 | 0.0055 | 0.028  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Cs-134       | -0.0111 U  | 0.0166 | 0.0066 | 0.0864 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Cs-137       | -0.0021 U  | 0.0167 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Eu-152       | -0.0342 LU | 0.0476 | 0.0165 | 0.0566 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Eu-154       | -0.0678 LU | 0.0937 | 0.0331 | 0.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00027        | 40054     | Eu-155       | 0.0769 SJ | 0.0701 | 0.0299 | 0.231  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Ho-166m      | -0.0116 U | 0.0262 | 0.0086 | 0.0432 | 1.00 - 5.00             |
| 8N-00027        | 40054     | K-40         | 17.7      | 0.129  | 1.01   | 32.4   | 1.00 - 5.00             |
| 8N-00027        | 40054     | Na-22        | -0.0124 U | 0.0224 | 0.0076 | 0.037  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Nb-94        | 0.0088 SK | 0.016  | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Np-236       | -0.0066 U | 0.0359 | 0.011  | 0.047  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Np-239       | 0.0553 U  | 0.129  | 0.0415 | 0.139  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Pa-231       | -0.334 U  | 0.76   | 0.238  | 0.936  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Pb-212       | 1.87      | 0.039  | 0.11   | 2.69   | 1.00 - 5.00             |
| 8N-00027        | 40054     | Pb-214       | 1.1       | 0.0335 | 0.0528 | 1.7    | 1.00 - 5.00             |
| 8N-00027        | 40054     | Pu-238       | 0.0007 U  | 0.0164 | 0.0032 | 0.0415 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Pu-239/240   | 0.0014 U  | 0.0202 | 0.0045 | 0.0404 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Pu-244       | 0.0128    | 0.007  | 0.0058 | 0.0313 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Sb-125       | 0.0044 U  | 0.0502 | 0.0148 | 0.354  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Sn-126       | -0.0018 U | 0.0176 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8N-00027        | 40054     | Sr-90        | 0.0256 U  | 0.158  | 0.0448 | 0.485  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Th-228       | 1.39      | 0.0934 | 0.138  | 3.98   | 1.00 - 5.00             |
| 8N-00027        | 40054     | Th-229       | 0.0069 U  | 0.0511 | 0.012  | 0.145  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Th-230       | 0.769     | 0.0643 | 0.0866 | 2.2    | 1.00 - 5.00             |
| 8N-00027        | 40054     | Th-232       | 1.15      | 0.0641 | 0.112  | 3.1    | 1.00 - 5.00             |
| 8N-00027        | 40054     | Th-234       | 1.62      | 0.279  | 0.162  | 3.19   | 1.00 - 5.00             |
| 8N-00027        | 40054     | Tl-208       | 0.562     | 0.0195 | 0.0322 | 0.937  | 1.00 - 5.00             |
| 8N-00027        | 40054     | Tm-171       | 2.54 U    | 15.1   | 4.99   | 72.4   | 1.00 - 5.00             |
| 8N-00027        | 40054     | U-233/234    | 0.695     | 0.0338 | 0.0741 | 2.02   | 1.00 - 5.00             |
| 8N-00027        | 40054     | U-235/236    | 0.0476    | 0.0143 | 0.0162 | 0.151  | 1.00 - 5.00             |
| 8N-00027        | 40054     | U-238        | 0.736     | 0.0116 | 0.077  | 1.8    | 1.00 - 5.00             |
| 8N-00028        | 40055     | Ac-227       | 0.0271 U  | 0.169  | 0.0506 | 0.217  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Am-241       | 0.0257    | 0.031  | 0.0111 | 0.0454 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Bi-212       | 0.777     | 0.137  | 0.0775 | 2.15   | 0.00 - 0.50             |
| 8N-00028        | 40055     | Bi-214       | 0.873     | 0.0253 | 0.0416 | 1.59   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00028        | 40055     | Cd-113m      | 59.7 J    | 113    | 38.2   | 3030   | 0.00 - 0.50             |
| 8N-00028        | 40055     | Cm-243/244   | 0.0065 U  | 0.0296 | 0.008  | 0.0443 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Co-60        | -0.003 U  | 0.0155 | 0.0048 | 0.028  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Cs-134       | -0.005 U  | 0.0141 | 0.005  | 0.0864 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Cs-137       | 0.0513    | 0.0139 | 0.0067 | 0.207  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Eu-152       | -0.0296 U | 0.0393 | 0.0182 | 0.0566 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Eu-154       | -0.0284 U | 0.0842 | 0.0304 | 0.15   | 0.00 - 0.50             |
| 8N-00028        | 40055     | Eu-155       | 0.0741 JS | 0.0618 | 0.0223 | 0.231  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Ho-166m      | -0.0134 U | 0.0216 | 0.0073 | 0.0432 | 0.00 - 0.50             |
| 8N-00028        | 40055     | K-40         | 19.6      | 0.109  | 1.12   | 32.4   | 0.00 - 0.50             |
| 8N-00028        | 40055     | Na-22        | -0.006 U  | 0.0199 | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Nb-94        | 0.007 J   | 0.0137 | 0.0042 | 0.0214 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Np-236       | -0.0089 U | 0.0314 | 0.0095 | 0.047  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Np-239       | 0.0162 U  | 0.113  | 0.0337 | 0.139  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Pa-231       | -0.0958 U | 0.683  | 0.206  | 0.936  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Pb-212       | 1.43      | 0.0339 | 0.0907 | 2.69   | 0.00 - 0.50             |
| 8N-00028        | 40055     | Pb-214       | 0.999     | 0.0283 | 0.0496 | 1.7    | 0.00 - 0.50             |
| 8N-00028        | 40055     | Pu-238       | 0.0094    | 0.014  | 0.0052 | 0.0415 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Pu-239/240   | 0.0056 U  | 0.0173 | 0.0049 | 0.0404 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Pu-244       | 0.0022    | 0.0059 | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Sb-125       | -0.0224 U | 0.0431 | 0.0144 | 0.354  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Sn-126       | -0.0033 U | 0.0144 | 0.0043 | 0.0237 | 0.00 - 0.50             |
| 8N-00028        | 40055     | Sr-90        | -0.0623 U | 0.204  | 0.0505 | 0.485  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Th-228       | 1.21 J    | 0.243  | 0.161  | 3.98   | 0.00 - 0.50             |
| 8N-00028        | 40055     | Th-229       | 0.032 UJ  | 0.128  | 0.0354 | 0.145  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Th-230       | 0.67      | 0.0783 | 0.0958 | 2.2    | 0.00 - 0.50             |
| 8N-00028        | 40055     | Th-232       | 1.08      | 0.0287 | 0.127  | 3.1    | 0.00 - 0.50             |
| 8N-00028        | 40055     | Th-234       | 1.27 J    | 0.252  | 0.132  | 3.19   | 0.00 - 0.50             |
| 8N-00028        | 40055     | Tl-208       | 0.454     | 0.0169 | 0.0269 | 0.937  | 0.00 - 0.50             |
| 8N-00028        | 40055     | Tm-171       | -3.36 U   | 12.4   | 4.4    | 72.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00028        | 40055     | U-233/234    | 0.97      | 0.0602 | 0.109  | 2.02   | 0.00 - 0.50             |
| 8N-00028        | 40055     | U-235/236    | 0.074     | 0.0223 | 0.0253 | 0.151  | 0.00 - 0.50             |
| 8N-00028        | 40055     | U-238        | 0.699     | 0.018  | 0.086  | 1.8    | 0.00 - 0.50             |
| 8N-00028        | 40056     | Ac-227       | -0.0845 U | 0.205  | 0.0671 | 0.217  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Am-241       | 0.0056 U  | 0.0172 | 0.0049 | 0.0454 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Bi-212       | 0.835 J   | 0.25   | 0.222  | 2.15   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Bi-214       | 0.8       | 0.0299 | 0.0399 | 1.59   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Cd-113m      | -39.4 U   | 140    | 44.6   | 3030   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Cm-243/244   | 0.0022    | 0.006  | 0.0022 | 0.0443 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Co-60        | -0.003 U  | 0.0193 | 0.0057 | 0.028  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Cs-134       | 0.0038 U  | 0.0171 | 0.0057 | 0.0864 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Cs-137       | 0.0173    | 0.0189 | 0.0066 | 0.207  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Eu-152       | 0.0036 U  | 0.0505 | 0.0171 | 0.0566 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Eu-154       | -0.0142 U | 0.101  | 0.0306 | 0.15   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Eu-155       | 0.0625 SJ | 0.0823 | 0.0282 | 0.231  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Ho-166m      | -0.0104 U | 0.0266 | 0.0083 | 0.0432 | 1.00 - 5.00             |
| 8N-00028        | 40056     | K-40         | 14.8      | 0.126  | 0.936  | 32.4   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Na-22        | 0.0038 U  | 0.0254 | 0.0074 | 0.037  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Nb-94        | 0.0047 U  | 0.0159 | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Np-236       | 0.0023 U  | 0.0398 | 0.0118 | 0.047  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Np-239       | 0.0245 U  | 0.136  | 0.0417 | 0.139  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Pa-231       | -0.291 U  | 0.838  | 0.272  | 0.936  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Pb-212       | 1.44      | 0.0409 | 0.0964 | 2.69   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Pb-214       | 0.876     | 0.0349 | 0.0465 | 1.7    | 1.00 - 5.00             |
| 8N-00028        | 40056     | Pu-238       | 0.0007 U  | 0.0154 | 0.003  | 0.0415 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Pu-239/240   | -0.0073 U | 0.0299 | 0.0057 | 0.0404 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Pu-244       | 0.0072    | 0.0065 | 0.0042 | 0.0313 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Sb-125       | 0.0067 U  | 0.0521 | 0.0154 | 0.354  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Sn-126       | 0.0024 U  | 0.0174 | 0.0051 | 0.0237 | 1.00 - 5.00             |
| 8N-00028        | 40056     | Sr-90        | 2.51 J    | 0.12   | 0.256  | 0.485  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00028        | 40056     | Th-228       | 1.06      | 0.0776 | 0.114  | 3.98   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Th-229       | 0.0869    | 0.0492 | 0.0264 | 0.145  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Th-230       | 0.74      | 0.0801 | 0.0844 | 2.2    | 1.00 - 5.00             |
| 8N-00028        | 40056     | Th-232       | 1.06      | 0.018  | 0.104  | 3.1    | 1.00 - 5.00             |
| 8N-00028        | 40056     | Th-234       | 1.33 J    | 0.41   | 0.351  | 3.19   | 1.00 - 5.00             |
| 8N-00028        | 40056     | Tl-208       | 0.465     | 0.02   | 0.0279 | 0.937  | 1.00 - 5.00             |
| 8N-00028        | 40056     | Tm-171       | -16 LU    | 23.5   | 7.95   | 72.4   | 1.00 - 5.00             |
| 8N-00028        | 40056     | U-233/234    | 0.693     | 0.0139 | 0.0781 | 2.02   | 1.00 - 5.00             |
| 8N-00028        | 40056     | U-235/236    | 0.057     | 0.0172 | 0.0194 | 0.151  | 1.00 - 5.00             |
| 8N-00028        | 40056     | U-238        | 0.617     | 0.0404 | 0.0725 | 1.8    | 1.00 - 5.00             |
| 8N-00029        | 40057     | Ac-227       | 0.0422 U  | 0.178  | 0.0611 | 0.217  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Am-241       | 0.0031 U  | 0.0156 | 0.0039 | 0.0454 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Bi-212       | 0.943     | 0.154  | 0.0881 | 2.15   | 0.00 - 0.50             |
| 8N-00029        | 40057     | Bi-214       | 0.922     | 0.0269 | 0.0442 | 1.59   | 0.00 - 0.50             |
| 8N-00029        | 40057     | Cd-113m      | 18.3 U    | 122    | 39.1   | 3030   | 0.00 - 0.50             |
| 8N-00029        | 40057     | Cm-243/244   | 0.0082    | 0.016  | 0.0054 | 0.0443 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Co-60        | -0.0036 U | 0.0187 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Cs-134       | 0.0003 U  | 0.017  | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Cs-137       | 0.0344    | 0.0158 | 0.0055 | 0.207  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Eu-152       | -0.0241 U | 0.0443 | 0.0153 | 0.0566 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Eu-154       | -0.0158 U | 0.101  | 0.0302 | 0.15   | 0.00 - 0.50             |
| 8N-00029        | 40057     | Eu-155       | 0.0525 JS | 0.0652 | 0.024  | 0.231  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Ho-166m      | 0.0001 U  | 0.0253 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00029        | 40057     | K-40         | 21.1      | 0.118  | 1.21   | 32.4   | 0.00 - 0.50             |
| 8N-00029        | 40057     | Na-22        | 0.0014 U  | 0.0248 | 0.0074 | 0.037  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Nb-94        | 0.0051 U  | 0.0147 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Np-236       | 0.0002 U  | 0.0334 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Np-239       | -0.0382 U | 0.117  | 0.0371 | 0.139  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Pa-231       | 0.261 U   | 0.772  | 0.242  | 0.936  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Pb-212       | 1.67      | 0.0381 | 0.0998 | 2.69   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00029        | 40057     | Pb-214       | 1.05       | 0.0314 | 0.0501 | 1.7    | 0.00 - 0.50             |
| 8N-00029        | 40057     | Pu-238       | 0.0056 UJ  | 0.0282 | 0.0072 | 0.0415 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Pu-239/240   | 0.0081     | 0.0226 | 0.0067 | 0.0404 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Pu-244       | -0.0016 UJ | 0.028  | 0.0051 | 0.0313 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Sb-125       | 0.0125 U   | 0.0482 | 0.0142 | 0.354  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Sn-126       | -0.005 U   | 0.0161 | 0.0051 | 0.0237 | 0.00 - 0.50             |
| 8N-00029        | 40057     | Sr-90        | 1.41       | 0.263  | 0.187  | 0.485  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Th-228       | 1.28       | 0.161  | 0.146  | 3.98   | 0.00 - 0.50             |
| 8N-00029        | 40057     | Th-229       | 0.0426     | 0.0917 | 0.0283 | 0.145  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Th-230       | 0.722      | 0.0625 | 0.0903 | 2.2    | 0.00 - 0.50             |
| 8N-00029        | 40057     | Th-232       | 0.897      | 0.0229 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8N-00029        | 40057     | Th-234       | 1.49 J     | 0.259  | 0.163  | 3.19   | 0.00 - 0.50             |
| 8N-00029        | 40057     | Tl-208       | 0.522      | 0.0184 | 0.0303 | 0.937  | 0.00 - 0.50             |
| 8N-00029        | 40057     | Tm-171       | 2.88 U     | 15.4   | 5.31   | 72.4   | 0.00 - 0.50             |
| 8N-00029        | 40057     | U-233/234    | 0.632      | 0.049  | 0.0728 | 2.02   | 0.00 - 0.50             |
| 8N-00029        | 40057     | U-235/236    | 0.044      | 0.0385 | 0.0179 | 0.151  | 0.00 - 0.50             |
| 8N-00029        | 40057     | U-238        | 0.741      | 0.0571 | 0.0818 | 1.8    | 0.00 - 0.50             |
| 8N-00029        | 40058     | Ac-227       | 0.0199 U   | 0.179  | 0.0526 | 0.217  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Am-241       | 0.0066     | 0.006  | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Bi-212       | 0.845      | 0.147  | 0.0823 | 2.15   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Bi-214       | 0.657      | 0.0276 | 0.0341 | 1.59   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Cd-113m      | -71.9 U    | 116    | 40.2   | 3030   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Cm-243/244   | -0.0016 U  | 0.0144 | 0.0028 | 0.0443 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Co-60        | -0.0022 U  | 0.0184 | 0.0054 | 0.028  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Cs-134       | -0.0005 U  | 0.0163 | 0.0055 | 0.0864 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Cs-137       | -0.0041 U  | 0.0166 | 0.005  | 0.207  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Eu-152       | -0.0135 U  | 0.0436 | 0.0155 | 0.0566 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Eu-154       | 0.0142 U   | 0.0976 | 0.0279 | 0.15   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Eu-155       | 0.0578 SJ  | 0.0683 | 0.0244 | 0.231  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Ho-166m      | 0.0012 U   | 0.0249 | 0.0073 | 0.0432 | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00029        | 40058     | K-40         | 12.9       | 0.125  | 0.791  | 32.4   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Na-22        | -0.0058 U  | 0.023  | 0.007  | 0.037  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Nb-94        | 0.0093 SK  | 0.0147 | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Np-236       | 0.0013 U   | 0.0333 | 0.0101 | 0.047  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Np-239       | -0.0204 U  | 0.115  | 0.0343 | 0.139  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Pa-231       | -0.189 U   | 0.723  | 0.221  | 0.936  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Pb-212       | 1.36       | 0.0351 | 0.0914 | 2.69   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Pb-214       | 0.726      | 0.0304 | 0.0408 | 1.7    | 1.00 - 5.00             |
| 8N-00029        | 40058     | Pu-238       | -0.0051 U  | 0.028  | 0.0051 | 0.0415 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Pu-239/240   | 0.0135     | 0.0319 | 0.0097 | 0.0404 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Pu-244       | 0.0004 U   | 0.0354 | 0.008  | 0.0313 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Sb-125       | 0.0039 U   | 0.0467 | 0.0141 | 0.354  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Sn-126       | 0.0001 U   | 0.0156 | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8N-00029        | 40058     | Sr-90        | 0.0823 U   | 0.177  | 0.0541 | 0.485  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Th-228       | 1.36       | 0.0817 | 0.136  | 3.98   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Th-229       | 0.0563     | 0.0758 | 0.0265 | 0.145  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Th-230       | 1.1        | 0.0517 | 0.11   | 2.2    | 1.00 - 5.00             |
| 8N-00029        | 40058     | Th-232       | 1.08       | 0.0516 | 0.108  | 3.1    | 1.00 - 5.00             |
| 8N-00029        | 40058     | Th-234       | 1.2 J      | 0.328  | 0.319  | 3.19   | 1.00 - 5.00             |
| 8N-00029        | 40058     | Tl-208       | 0.398      | 0.0189 | 0.0246 | 0.937  | 1.00 - 5.00             |
| 8N-00029        | 40058     | Tm-171       | -15.8 LU   | 15.8   | 6.14   | 72.4   | 1.00 - 5.00             |
| 8N-00029        | 40058     | U-233/234    | 0.571      | 0.0133 | 0.0672 | 2.02   | 1.00 - 5.00             |
| 8N-00029        | 40058     | U-235/236    | 0.0199     | 0.0387 | 0.013  | 0.151  | 1.00 - 5.00             |
| 8N-00029        | 40058     | U-238        | 0.685      | 0.0387 | 0.0768 | 1.8    | 1.00 - 5.00             |
| 8N-00030        | 40059     | Ac-227       | -0.0361 U  | 0.157  | 0.0495 | 0.217  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Am-241       | -0.0005 UJ | 0.0299 | 0.0062 | 0.0454 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Bi-212       | 0.847 J    | 0.162  | 0.0881 | 2.15   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Bi-214       | 0.78       | 0.029  | 0.0398 | 1.59   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Cd-113m      | 31.2 U     | 107    | 33.5   | 3030   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Cm-243/244   | 0.0043 UJ  | 0.0216 | 0.0054 | 0.0443 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00030        | 40059     | Co-60        | -0.0043 U | 0.0195 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Cs-134       | -0.0046 U | 0.0167 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Cs-137       | 0.0218    | 0.0192 | 0.0069 | 0.207  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Eu-152       | -0.0101 U | 0.0405 | 0.0131 | 0.0566 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Eu-154       | -0.044 U  | 0.105  | 0.0335 | 0.15   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Eu-155       | 0.0658 JS | 0.0484 | 0.0221 | 0.231  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Ho-166m      | -0.0009 U | 0.0257 | 0.0074 | 0.0432 | 0.00 - 0.50             |
| 8N-00030        | 40059     | K-40         | 18        | 0.149  | 1.01   | 32.4   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Na-22        | -0.0091 U | 0.0255 | 0.0078 | 0.037  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Nb-94        | 0.0024 U  | 0.0153 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Np-236       | -0.0021 U | 0.0256 | 0.0076 | 0.047  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Np-239       | 0.0443 U  | 0.104  | 0.0331 | 0.139  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Pa-231       | -0.151 U  | 0.644  | 0.204  | 0.936  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Pb-212       | 1.27      | 0.0316 | 0.0731 | 2.69   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Pb-214       | 0.829     | 0.0288 | 0.04   | 1.7    | 0.00 - 0.50             |
| 8N-00030        | 40059     | Pu-238       | 0.005     | 0.0067 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Pu-239/240   | 0.0049    | 0.0067 | 0.0035 | 0.0404 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Pu-244       | 0         | 0.0067 | 0.0025 | 0.0313 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Sb-125       | -0.0029 U | 0.0455 | 0.0134 | 0.354  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Sn-126       | -0.0024 U | 0.0168 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00030        | 40059     | Sr-90        | -0.0359 U | 0.238  | 0.0635 | 0.485  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Th-228       | 1.42 J    | 0.203  | 0.164  | 3.98   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Th-229       | 0.0557    | 0.0863 | 0.0296 | 0.145  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Th-230       | 0.852     | 0.0861 | 0.105  | 2.2    | 0.00 - 0.50             |
| 8N-00030        | 40059     | Th-232       | 0.988     | 0.068  | 0.114  | 3.1    | 0.00 - 0.50             |
| 8N-00030        | 40059     | Th-234       | 1.1       | 0.186  | 0.1    | 3.19   | 0.00 - 0.50             |
| 8N-00030        | 40059     | Tl-208       | 0.388     | 0.0189 | 0.0246 | 0.937  | 0.00 - 0.50             |
| 8N-00030        | 40059     | Tm-171       | 1.34 U    | 6.94   | 2.23   | 72.4   | 0.00 - 0.50             |
| 8N-00030        | 40059     | U-233/234    | 0.9       | 0.0619 | 0.101  | 2.02   | 0.00 - 0.50             |
| 8N-00030        | 40059     | U-235/236    | 0.0687    | 0.0207 | 0.0235 | 0.151  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00030        | 40059     | U-238        | 0.903     | 0.0393 | 0.101  | 1.8    | 0.00 - 0.50             |
| 8N-00030        | 40060     | Ac-227       | 0.0045 U  | 0.175  | 0.0519 | 0.217  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Am-241       | 0.0113    | 0.016  | 0.0058 | 0.0454 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Bi-212       | 0.936     | 0.144  | 0.0852 | 2.15   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Bi-214       | 0.776     | 0.0271 | 0.0383 | 1.59   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Cd-113m      | 46 U      | 118    | 36.2   | 3030   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Cm-243/244   | 0.0011 U  | 0.0285 | 0.0071 | 0.0443 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Co-60        | -0.0027 U | 0.016  | 0.0049 | 0.028  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Cs-134       | -0.0047 U | 0.0159 | 0.0055 | 0.0864 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Cs-137       | 0.0059 U  | 0.0161 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Eu-152       | 0.027 J   | 0.0428 | 0.0178 | 0.0566 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Eu-154       | -0.0478 U | 0.0873 | 0.0291 | 0.15   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Eu-155       | 0.0852 JS | 0.0651 | 0.0258 | 0.231  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Ho-166m      | -0.0115 U | 0.0228 | 0.0074 | 0.0432 | 1.00 - 5.00             |
| 8N-00030        | 40060     | K-40         | 15.5      | 0.114  | 0.898  | 32.4   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Na-22        | -0.0058 U | 0.0199 | 0.0062 | 0.037  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Nb-94        | 0.008 J   | 0.0142 | 0.0044 | 0.0214 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Np-236       | -0.0073 U | 0.0328 | 0.0098 | 0.047  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Np-239       | 0.015 UJ  | 0.115  | 0.0342 | 0.139  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Pa-231       | -0.565 UJ | 0.683  | 0.277  | 0.936  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Pb-212       | 1.45      | 0.0358 | 0.0924 | 2.69   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Pb-214       | 0.872     | 0.0296 | 0.0448 | 1.7    | 1.00 - 5.00             |
| 8N-00030        | 40060     | Pu-238       | 0.0015 UJ | 0.0346 | 0.0067 | 0.0415 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Pu-239/240   | 0.0069 UJ | 0.0345 | 0.0086 | 0.0404 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Pu-244       | 0.0069 UJ | 0.0345 | 0.0086 | 0.0313 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Sb-125       | -0.0226 U | 0.0444 | 0.0148 | 0.354  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Sn-126       | 0.0045 U  | 0.0155 | 0.0045 | 0.0237 | 1.00 - 5.00             |
| 8N-00030        | 40060     | Sr-90        | -0.016 U  | 0.17   | 0.046  | 0.485  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Th-228       | 1.22      | 0.172  | 0.13   | 3.98   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Th-229       | 0.0314 U  | 0.0885 | 0.0259 | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00030        | 40060     | Th-230       | 0.545     | 0.0821 | 0.0694 | 2.2    | 1.00 - 5.00             |
| 8N-00030        | 40060     | Th-232       | 0.974     | 0.058  | 0.0974 | 3.1    | 1.00 - 5.00             |
| 8N-00030        | 40060     | Th-234       | 1.51      | 0.26   | 0.148  | 3.19   | 1.00 - 5.00             |
| 8N-00030        | 40060     | Tl-208       | 0.438     | 0.0181 | 0.0263 | 0.937  | 1.00 - 5.00             |
| 8N-00030        | 40060     | Tm-171       | -2.26 U   | 13.2   | 4.64   | 72.4   | 1.00 - 5.00             |
| 8N-00030        | 40060     | U-233/234    | 0.778     | 0.0486 | 0.0907 | 2.02   | 1.00 - 5.00             |
| 8N-00030        | 40060     | U-235/236    | 0.0216 U  | 0.0689 | 0.0196 | 0.151  | 1.00 - 5.00             |
| 8N-00030        | 40060     | U-238        | 0.723     | 0.0393 | 0.0859 | 1.8    | 1.00 - 5.00             |
| 8N-00031        | 40061     | Ac-227       | -0.0169 U | 0.161  | 0.0497 | 0.217  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Am-241       | 0.0086 U  | 0.0275 | 0.0078 | 0.0454 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Bi-212       | 1.02      | 0.153  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Bi-214       | 0.958     | 0.0265 | 0.0474 | 1.59   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Cd-113m      | 54.5 J    | 111    | 35.6   | 3030   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Cm-243/244   | 0.0022 U  | 0.0234 | 0.0055 | 0.0443 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Co-60        | 0.0021 U  | 0.0191 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Cs-134       | 0.002 U   | 0.0162 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Cs-137       | 0.0171    | 0.0163 | 0.0067 | 0.207  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Eu-152       | -0.0084 U | 0.0413 | 0.0139 | 0.0566 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Eu-154       | 0.0794 J  | 0.113  | 0.0371 | 0.15   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Eu-155       | 0.0903 JS | 0.052  | 0.0241 | 0.231  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Ho-166m      | -0.0038 U | 0.0264 | 0.0078 | 0.0432 | 0.00 - 0.50             |
| 8N-00031        | 40061     | K-40         | 20.4      | 0.128  | 1.1    | 32.4   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Na-22        | 0.0102 U  | 0.0242 | 0.0072 | 0.037  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Nb-94        | 0.004 U   | 0.0156 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Np-236       | -0.0056 U | 0.0269 | 0.008  | 0.047  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Np-239       | -0.0111 U | 0.105  | 0.0321 | 0.139  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Pa-231       | -0.138 U  | 0.651  | 0.205  | 0.936  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Pb-212       | 1.55      | 0.0327 | 0.0856 | 2.69   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Pb-214       | 1.03      | 0.0293 | 0.0493 | 1.7    | 0.00 - 0.50             |
| 8N-00031        | 40061     | Pu-238       | -0.0071 U | 0.0413 | 0.0094 | 0.0415 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00031        | 40061     | Pu-239/240   | 0.0068 U  | 0.0211 | 0.006  | 0.0404 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Pu-244       | 0.0034 U  | 0.017  | 0.0042 | 0.0313 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Sb-125       | 0.0055 U  | 0.0465 | 0.0137 | 0.354  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Sn-126       | -0.0075 U | 0.016  | 0.0051 | 0.0237 | 0.00 - 0.50             |
| 8N-00031        | 40061     | Sr-90        | -0.0611 U | 0.205  | 0.0494 | 0.485  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Th-228       | 1.51 J    | 0.114  | 0.152  | 3.98   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Th-229       | 0.015 U   | 0.0699 | 0.0185 | 0.145  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Th-230       | 0.908     | 0.0553 | 0.0989 | 2.2    | 0.00 - 0.50             |
| 8N-00031        | 40061     | Th-232       | 1.22      | 0.0695 | 0.12   | 3.1    | 0.00 - 0.50             |
| 8N-00031        | 40061     | Th-234       | 1.09 J    | 0.205  | 0.121  | 3.19   | 0.00 - 0.50             |
| 8N-00031        | 40061     | Tl-208       | 0.482     | 0.0187 | 0.0295 | 0.937  | 0.00 - 0.50             |
| 8N-00031        | 40061     | Tm-171       | -3.45 U   | 7.04   | 2.56   | 72.4   | 0.00 - 0.50             |
| 8N-00031        | 40061     | U-233/234    | 0.8       | 0.0139 | 0.0865 | 2.02   | 0.00 - 0.50             |
| 8N-00031        | 40061     | U-235/236    | 0.0253    | 0.0171 | 0.0128 | 0.151  | 0.00 - 0.50             |
| 8N-00031        | 40061     | U-238        | 0.854     | 0.0139 | 0.0908 | 1.8    | 0.00 - 0.50             |
| 8N-00031        | 40062     | Ac-227       | -0.0699 U | 0.171  | 0.0533 | 0.217  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Am-241       | 0.0062    | 0.0121 | 0.0041 | 0.0454 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Bi-212       | 1.08      | 0.144  | 0.0857 | 2.15   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Bi-214       | 0.863     | 0.027  | 0.0415 | 1.59   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Cd-113m      | 27.8 U    | 117    | 35.5   | 3030   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Cm-243/244   | 0.0041 U  | 0.0195 | 0.0052 | 0.0443 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Co-60        | -0.0029 U | 0.0163 | 0.0048 | 0.028  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Cs-134       | 0.0038 U  | 0.0161 | 0.0056 | 0.0864 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Cs-137       | 0.0023 U  | 0.0156 | 0.0051 | 0.207  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Eu-152       | -0.0072 U | 0.0421 | 0.0144 | 0.0566 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Eu-154       | -0.0259 U | 0.0906 | 0.028  | 0.15   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Eu-155       | 0.0842 JS | 0.0606 | 0.0253 | 0.231  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Ho-166m      | 0.008 U   | 0.0236 | 0.0069 | 0.0432 | 1.00 - 5.00             |
| 8N-00031        | 40062     | K-40         | 16.2      | 0.116  | 0.92   | 32.4   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Na-22        | 0.0004 U  | 0.0212 | 0.0063 | 0.037  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00031        | 40062     | Nb-94        | 0.0134 J  | 0.0145 | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Np-236       | 0.0045 U  | 0.0308 | 0.0105 | 0.047  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Np-239       | -0.034 UJ | 0.111  | 0.0335 | 0.139  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Pa-231       | -0.161 U  | 0.694  | 0.216  | 0.936  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Pb-212       | 1.68      | 0.0348 | 0.101  | 2.69   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Pb-214       | 0.953     | 0.0301 | 0.0467 | 1.7    | 1.00 - 5.00             |
| 8N-00031        | 40062     | Pu-238       | 0.0096    | 0.0143 | 0.0053 | 0.0415 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Pu-239/240   | 0.0029 U  | 0.0143 | 0.0036 | 0.0404 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Pu-244       | 0.0192 J  | 0.0177 | 0.0075 | 0.0313 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Sb-125       | 0.0251 JS | 0.0459 | 0.0145 | 0.354  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Sn-126       | 0.0037 U  | 0.0157 | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8N-00031        | 40062     | Sr-90        | 0.181     | 0.194  | 0.0663 | 0.485  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Th-228       | 1.47      | 0.164  | 0.14   | 3.98   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Th-229       | 0.0464    | 0.0761 | 0.0248 | 0.145  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Th-230       | 0.729     | 0.0538 | 0.0778 | 2.2    | 1.00 - 5.00             |
| 8N-00031        | 40062     | Th-232       | 1.19      | 0.0536 | 0.108  | 3.1    | 1.00 - 5.00             |
| 8N-00031        | 40062     | Th-234       | 1.35      | 0.238  | 0.128  | 3.19   | 1.00 - 5.00             |
| 8N-00031        | 40062     | Tl-208       | 0.52      | 0.0179 | 0.0296 | 0.937  | 1.00 - 5.00             |
| 8N-00031        | 40062     | Tm-171       | 3.66 U    | 11.8   | 4      | 72.4   | 1.00 - 5.00             |
| 8N-00031        | 40062     | U-233/234    | 0.734     | 0.0195 | 0.0915 | 2.02   | 1.00 - 5.00             |
| 8N-00031        | 40062     | U-235/236    | 0.0405    | 0.0701 | 0.0238 | 0.151  | 1.00 - 5.00             |
| 8N-00031        | 40062     | U-238        | 0.721     | 0.0458 | 0.0907 | 1.8    | 1.00 - 5.00             |
| 8N-00032        | 40063     | Ac-227       | -0.134 UJ | 0.181  | 0.0629 | 0.217  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Am-241       | -0.0019 U | 0.0212 | 0.0043 | 0.0454 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Bi-212       | 1.04      | 0.144  | 0.103  | 2.15   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Bi-214       | 1.08      | 0.029  | 0.0499 | 1.59   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Cd-113m      | -51.6 U   | 121    | 39.1   | 3030   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Cm-243/244   | -0.0056 U | 0.0236 | 0.0041 | 0.0443 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Co-60        | -0.0043 U | 0.0181 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Cs-134       | -0.0028 U | 0.0164 | 0.0058 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00032        | 40063     | Cs-137       | 0.0403    | 0.0169 | 0.0069 | 0.207  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Eu-152       | 0.0003 U  | 0.0446 | 0.015  | 0.0566 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Eu-154       | 0.0051 U  | 0.105  | 0.031  | 0.15   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Eu-155       | 0.0793 JS | 0.0664 | 0.0276 | 0.231  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Ho-166m      | 0.0033 U  | 0.0255 | 0.0074 | 0.0432 | 0.00 - 0.50             |
| 8N-00032        | 40063     | K-40         | 23.3      | 0.133  | 1.31   | 32.4   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Na-22        | 0.0019 U  | 0.0236 | 0.0082 | 0.037  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Nb-94        | 0.0049 U  | 0.0147 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Np-236       | -0.0202 U | 0.0333 | 0.0114 | 0.047  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Np-239       | -0.0261 U | 0.122  | 0.0363 | 0.139  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Pa-231       | 0.368 U   | 0.753  | 0.241  | 0.936  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Pb-212       | 1.75      | 0.038  | 0.105  | 2.69   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Pb-214       | 1.14      | 0.031  | 0.0554 | 1.7    | 0.00 - 0.50             |
| 8N-00032        | 40063     | Pu-238       | 0.0072    | 0.0065 | 0.0042 | 0.0415 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Pu-239/240   | 0.0044 U  | 0.0215 | 0.0056 | 0.0404 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Pu-244       | 0.0054    | 0.0151 | 0.0045 | 0.0313 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Sb-125       | 0.0101 U  | 0.0481 | 0.0144 | 0.354  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Sn-126       | 0.0018 U  | 0.0167 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00032        | 40063     | Sr-90        | 0.0733 U  | 0.14   | 0.0435 | 0.485  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Th-228       | 1.63 J    | 0.136  | 0.167  | 3.98   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Th-229       | 0.0336    | 0.078  | 0.0238 | 0.145  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Th-230       | 0.93      | 0.0617 | 0.106  | 2.2    | 0.00 - 0.50             |
| 8N-00032        | 40063     | Th-232       | 1.13      | 0.0226 | 0.119  | 3.1    | 0.00 - 0.50             |
| 8N-00032        | 40063     | Th-234       | 1.29 J    | 0.264  | 0.133  | 3.19   | 0.00 - 0.50             |
| 8N-00032        | 40063     | Tl-208       | 0.533     | 0.0193 | 0.0301 | 0.937  | 0.00 - 0.50             |
| 8N-00032        | 40063     | Tm-171       | -4 U      | 12.2   | 4.24   | 72.4   | 0.00 - 0.50             |
| 8N-00032        | 40063     | U-233/234    | 0.778     | 0.0357 | 0.0876 | 2.02   | 0.00 - 0.50             |
| 8N-00032        | 40063     | U-235/236    | 0.0454    | 0.0546 | 0.0211 | 0.151  | 0.00 - 0.50             |
| 8N-00032        | 40063     | U-238        | 0.758     | 0.0357 | 0.086  | 1.8    | 0.00 - 0.50             |
| 8N-00032        | 40064     | Ac-227       | 0.0296 U  | 0.209  | 0.0617 | 0.217  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00032        | 40064     | Am-241       | -0.0008 U  | 0.0143 | 0.0026 | 0.0454 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Bi-212       | 1 J        | 0.289  | 0.255  | 2.15   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Bi-214       | 0.818      | 0.0326 | 0.0433 | 1.59   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Cd-113m      | 81.3 J     | 144    | 47.2   | 3030   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Cm-243/244   | -0.0019 U  | 0.023  | 0.0051 | 0.0443 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Co-60        | 0.0015 U   | 0.0217 | 0.0063 | 0.028  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Cs-134       | 0.0108 JS  | 0.0205 | 0.0071 | 0.0864 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Cs-137       | -0.0061 U  | 0.0195 | 0.006  | 0.207  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Eu-152       | -0.0378 U  | 0.0517 | 0.0205 | 0.0566 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Eu-154       | -0.0367 U  | 0.115  | 0.035  | 0.15   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Eu-155       | 0.105 JS   | 0.0776 | 0.0321 | 0.231  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Ho-166m      | -0.0017 U  | 0.0297 | 0.0088 | 0.0432 | 1.00 - 5.00             |
| 8N-00032        | 40064     | K-40         | 17.2       | 0.141  | 1.05   | 32.4   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Na-22        | 0.0066 U   | 0.029  | 0.0085 | 0.037  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Nb-94        | 0.0098 J   | 0.0178 | 0.0056 | 0.0214 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Np-236       | 0.0172 U   | 0.0393 | 0.0125 | 0.047  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Np-239       | -0.0124 UJ | 0.138  | 0.0405 | 0.139  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Pa-231       | 0.353 U    | 0.861  | 0.282  | 0.936  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Pb-212       | 1.82       | 0.0435 | 0.122  | 2.69   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Pb-214       | 0.888      | 0.0356 | 0.0489 | 1.7    | 1.00 - 5.00             |
| 8N-00032        | 40064     | Pu-238       | 0.008      | 0.0108 | 0.0057 | 0.0415 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Pu-239/240   | 0.004      | 0.0107 | 0.004  | 0.0404 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Pu-244       | 0.0198     | 0.0107 | 0.0089 | 0.0313 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Sb-125       | 0.0179 U   | 0.0559 | 0.0171 | 0.354  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Sn-126       | 0.008 U    | 0.0206 | 0.0062 | 0.0237 | 1.00 - 5.00             |
| 8N-00032        | 40064     | Sr-90        | 0.164      | 0.189  | 0.0632 | 0.485  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Th-228       | 1.8        | 0.124  | 0.155  | 3.98   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Th-229       | 0.0271     | 0.0584 | 0.0181 | 0.145  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Th-230       | 0.876      | 0.0398 | 0.0855 | 2.2    | 1.00 - 5.00             |
| 8N-00032        | 40064     | Th-232       | 1.25       | 0.0397 | 0.109  | 3.1    | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00032        | 40064     | Th-234       | 1.37 J     | 0.395  | 0.357  | 3.19   | 1.00 - 5.00             |
| 8N-00032        | 40064     | Tl-208       | 0.556      | 0.023  | 0.0336 | 0.937  | 1.00 - 5.00             |
| 8N-00032        | 40064     | Tm-171       | -2.37 U    | 19.9   | 5.96   | 72.4   | 1.00 - 5.00             |
| 8N-00032        | 40064     | U-233/234    | 0.713      | 0.0462 | 0.0904 | 2.02   | 1.00 - 5.00             |
| 8N-00032        | 40064     | U-235/236    | 0.0832     | 0.0571 | 0.0298 | 0.151  | 1.00 - 5.00             |
| 8N-00032        | 40064     | U-238        | 0.675      | 0.0197 | 0.0867 | 1.8    | 1.00 - 5.00             |
| 8N-00033        | 40065     | Ac-227       | -0.0319 U  | 0.201  | 0.0614 | 0.217  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Am-241       | 0.0075     | 0.0146 | 0.0049 | 0.0454 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Bi-212       | 0.982 J    | 0.171  | 0.104  | 2.15   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Bi-214       | 0.843      | 0.0333 | 0.0422 | 1.59   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Cd-113m      | -41.2 U    | 135    | 43.8   | 3030   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Cm-243/244   | 0.0113     | 0.0211 | 0.0069 | 0.0443 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Co-60        | -0.0028 U  | 0.0195 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Cs-134       | 0.0077 U   | 0.0191 | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Cs-137       | 0.0222     | 0.0196 | 0.0071 | 0.207  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Eu-152       | -0.0132 U  | 0.0514 | 0.0185 | 0.0566 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Eu-154       | -0.0841 UJ | 0.104  | 0.0375 | 0.15   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Eu-155       | 0.086 JS   | 0.0759 | 0.0294 | 0.231  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Ho-166m      | -0.0057 U  | 0.0281 | 0.0086 | 0.0432 | 0.00 - 0.50             |
| 8N-00033        | 40065     | K-40         | 21.9       | 0.146  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Na-22        | -0.0057 U  | 0.0254 | 0.0077 | 0.037  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Nb-94        | 0.0039 U   | 0.017  | 0.0051 | 0.0214 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Np-236       | -0.0311 UJ | 0.0378 | 0.0135 | 0.047  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Np-239       | -0.0314 U  | 0.133  | 0.041  | 0.139  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Pa-231       | -0.296 U   | 0.822  | 0.282  | 0.936  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Pb-212       | 1.74       | 0.0415 | 0.102  | 2.69   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Pb-214       | 0.983      | 0.0346 | 0.0466 | 1.7    | 0.00 - 0.50             |
| 8N-00033        | 40065     | Pu-238       | -0.0026 U  | 0.0199 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Pu-239/240   | 0.0056 U   | 0.0173 | 0.0049 | 0.0404 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Pu-244       | 0.0022     | 0.0059 | 0.0022 | 0.0313 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00033        | 40065     | Sb-125       | -0.0208 U  | 0.0515 | 0.016  | 0.354  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Sn-126       | 0.0007 U   | 0.0185 | 0.0055 | 0.0237 | 0.00 - 0.50             |
| 8N-00033        | 40065     | Sr-90        | 0.0518 U   | 0.191  | 0.0566 | 0.485  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Th-228       | 1.7 J      | 0.103  | 0.175  | 3.98   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Th-229       | 0.0359     | 0.0662 | 0.0221 | 0.145  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Th-230       | 0.807      | 0.066  | 0.0995 | 2.2    | 0.00 - 0.50             |
| 8N-00033        | 40065     | Th-232       | 1.22       | 0.0658 | 0.129  | 3.1    | 0.00 - 0.50             |
| 8N-00033        | 40065     | Th-234       | 1.41 J     | 0.3    | 0.146  | 3.19   | 0.00 - 0.50             |
| 8N-00033        | 40065     | Tl-208       | 0.557      | 0.0209 | 0.0331 | 0.937  | 0.00 - 0.50             |
| 8N-00033        | 40065     | Tm-171       | -7.45 U    | 15.4   | 5.73   | 72.4   | 0.00 - 0.50             |
| 8N-00033        | 40065     | U-233/234    | 0.621      | 0.0594 | 0.0775 | 2.02   | 0.00 - 0.50             |
| 8N-00033        | 40065     | U-235/236    | 0.0366     | 0.0198 | 0.0166 | 0.151  | 0.00 - 0.50             |
| 8N-00033        | 40065     | U-238        | 0.842      | 0.0377 | 0.0948 | 1.8    | 0.00 - 0.50             |
| 8N-00033        | 40066     | Ac-227       | -0.0458 U  | 0.242  | 0.0759 | 0.217  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Am-241       | 0.0042     | 0.0057 | 0.003  | 0.0454 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Bi-212       | 1.15 J     | 0.197  | 0.116  | 2.15   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Bi-214       | 0.964      | 0.0375 | 0.0476 | 1.59   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Cd-113m      | -59.7 U    | 162    | 52.5   | 3030   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Cm-243/244   | 0.0147     | 0.0194 | 0.007  | 0.0443 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Co-60        | 0.0006 U   | 0.0233 | 0.0067 | 0.028  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Cs-134       | -0.0066 U  | 0.0233 | 0.0081 | 0.0864 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Cs-137       | 0.0085 U   | 0.0212 | 0.0072 | 0.207  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Eu-152       | -0.0331 U  | 0.0616 | 0.0229 | 0.0566 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Eu-154       | -0.0303 U  | 0.126  | 0.039  | 0.15   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Eu-155       | 0.0195 U   | 0.0989 | 0.0295 | 0.231  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Ho-166m      | -0.0231 UJ | 0.032  | 0.0112 | 0.0432 | 1.00 - 5.00             |
| 8N-00033        | 40066     | K-40         | 19.2       | 0.163  | 1.21   | 32.4   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Na-22        | -0.0077 U  | 0.0304 | 0.0092 | 0.037  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Nb-94        | -0.0098 U  | 0.0184 | 0.006  | 0.0214 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Np-236       | -0.0103 U  | 0.0478 | 0.0145 | 0.047  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00033        | 40066     | Np-239       | -0.0373 U  | 0.162  | 0.0507 | 0.139  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Pa-231       | 0.0565 U   | 1.01   | 0.311  | 0.936  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Pb-212       | 2          | 0.0493 | 0.133  | 2.69   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Pb-214       | 1.1        | 0.0405 | 0.0569 | 1.7    | 1.00 - 5.00             |
| 8N-00033        | 40066     | Pu-238       | -0.0018 U  | 0.0309 | 0.0072 | 0.0415 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Pu-239/240   | 0.0071     | 0.0064 | 0.0041 | 0.0404 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Pu-244       | 0.0101 J   | 0.015  | 0.0056 | 0.0313 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Sb-125       | 0.0216 U   | 0.0642 | 0.0194 | 0.354  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Sn-126       | 0.0052 U   | 0.0218 | 0.0064 | 0.0237 | 1.00 - 5.00             |
| 8N-00033        | 40066     | Sr-90        | 0.118      | 0.163  | 0.0536 | 0.485  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Th-228       | 1.31       | 0.114  | 0.123  | 3.98   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Th-229       | 0.0368     | 0.0689 | 0.0218 | 0.145  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Th-230       | 0.86       | 0.0564 | 0.084  | 2.2    | 1.00 - 5.00             |
| 8N-00033        | 40066     | Th-232       | 1.09       | 0.0142 | 0.0978 | 3.1    | 1.00 - 5.00             |
| 8N-00033        | 40066     | Th-234       | 1.35 J     | 0.379  | 0.18   | 3.19   | 1.00 - 5.00             |
| 8N-00033        | 40066     | Tl-208       | 0.587      | 0.0251 | 0.0341 | 0.937  | 1.00 - 5.00             |
| 8N-00033        | 40066     | Tm-171       | -16.3 U    | 28.5   | 10.3   | 72.4   | 1.00 - 5.00             |
| 8N-00033        | 40066     | U-233/234    | 0.838      | 0.0551 | 0.0955 | 2.02   | 1.00 - 5.00             |
| 8N-00033        | 40066     | U-235/236    | 0.0322     | 0.0479 | 0.0178 | 0.151  | 1.00 - 5.00             |
| 8N-00033        | 40066     | U-238        | 0.816      | 0.0165 | 0.093  | 1.8    | 1.00 - 5.00             |
| 8N-00034        | 40067     | Ac-227       | -0.0998 U  | 0.185  | 0.0608 | 0.217  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Am-241       | 0.0059     | 0.0053 | 0.0034 | 0.0454 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Bi-212       | 1.16       | 0.158  | 0.102  | 2.15   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Bi-214       | 0.928      | 0.0279 | 0.044  | 1.59   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Cd-113m      | -74.7 U    | 127    | 45.5   | 3030   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Cm-243/244   | 0.0031 U   | 0.0158 | 0.004  | 0.0443 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Co-60        | -0.0058 U  | 0.017  | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Cs-134       | 0.0066 U   | 0.0178 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Cs-137       | 0.0293     | 0.0162 | 0.007  | 0.207  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Eu-152       | -0.0466 UJ | 0.0464 | 0.0212 | 0.0566 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00034        | 40067     | Eu-154       | -0.0412 U | 0.0952 | 0.0306 | 0.15   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Eu-155       | 0.153 JS  | 0.0693 | 0.0312 | 0.231  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Ho-166m      | -0.004 U  | 0.0257 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00034        | 40067     | K-40         | 20.6      | 0.116  | 1.18   | 32.4   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Na-22        | -0.0016 U | 0.0226 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Nb-94        | 0.005 U   | 0.0152 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Np-236       | -0.0187 U | 0.0353 | 0.0116 | 0.047  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Np-239       | 0.0151 U  | 0.126  | 0.0374 | 0.139  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Pa-231       | -0.545 UJ | 0.738  | 0.261  | 0.936  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Pb-212       | 1.71      | 0.0373 | 0.108  | 2.69   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Pb-214       | 1.11      | 0.0318 | 0.0562 | 1.7    | 0.00 - 0.50             |
| 8N-00034        | 40067     | Pu-238       | 0.0045    | 0.0061 | 0.0032 | 0.0415 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Pu-239/240   | -0.001 U  | 0.0177 | 0.0032 | 0.0404 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Pu-244       | 0.009 J   | 0.0061 | 0.0045 | 0.0313 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Sb-125       | -0.0107 U | 0.0491 | 0.0152 | 0.354  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Sn-126       | 0.0056 U  | 0.0167 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00034        | 40067     | Sr-90        | 0.0164 U  | 0.161  | 0.0444 | 0.485  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Th-228       | 1.57 J    | 0.137  | 0.163  | 3.98   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Th-229       | 0.0337    | 0.0782 | 0.0239 | 0.145  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Th-230       | 0.815     | 0.0228 | 0.0964 | 2.2    | 0.00 - 0.50             |
| 8N-00034        | 40067     | Th-232       | 1.09      | 0.0617 | 0.117  | 3.1    | 0.00 - 0.50             |
| 8N-00034        | 40067     | Th-234       | 1.28 J    | 0.282  | 0.135  | 3.19   | 0.00 - 0.50             |
| 8N-00034        | 40067     | Tl-208       | 0.524     | 0.0198 | 0.03   | 0.937  | 0.00 - 0.50             |
| 8N-00034        | 40067     | Tm-171       | 0.798 U   | 14.3   | 4.95   | 72.4   | 0.00 - 0.50             |
| 8N-00034        | 40067     | U-233/234    | 0.817     | 0.035  | 0.0903 | 2.02   | 0.00 - 0.50             |
| 8N-00034        | 40067     | U-235/236    | 0.0223    | 0.0432 | 0.0145 | 0.151  | 0.00 - 0.50             |
| 8N-00034        | 40067     | U-238        | 0.763     | 0.0149 | 0.0858 | 1.8    | 0.00 - 0.50             |
| 8N-00034        | 40068     | Ac-227       | -0.03 U   | 0.167  | 0.0496 | 0.217  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Am-241       | 0.0103    | 0.0056 | 0.0046 | 0.0454 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Bi-212       | 0.83 J    | 0.151  | 0.0906 | 2.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00034        | 40068     | Bi-214       | 0.651      | 0.0278 | 0.0335 | 1.59   | 1.00 - 5.00             |
| 8N-00034        | 40068     | Cd-113m      | 20.4 U     | 113    | 37.4   | 3030   | 1.00 - 5.00             |
| 8N-00034        | 40068     | Cm-243/244   | -0.0089 U  | 0.0301 | 0.006  | 0.0443 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Co-60        | -0.0059 U  | 0.0167 | 0.0053 | 0.028  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Cs-134       | -0.0014 U  | 0.0161 | 0.0054 | 0.0864 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Cs-137       | -0.001 U   | 0.0164 | 0.0048 | 0.207  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Eu-152       | -0.0108 U  | 0.0427 | 0.0136 | 0.0566 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Eu-154       | 0.0322 U   | 0.0942 | 0.0313 | 0.15   | 1.00 - 5.00             |
| 8N-00034        | 40068     | Eu-155       | 0.113 JS   | 0.0599 | 0.0265 | 0.231  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Ho-166m      | -0.0014 U  | 0.0252 | 0.0075 | 0.0432 | 1.00 - 5.00             |
| 8N-00034        | 40068     | K-40         | 13.8       | 0.122  | 0.856  | 32.4   | 1.00 - 5.00             |
| 8N-00034        | 40068     | Na-22        | 0.0062 U   | 0.0214 | 0.0072 | 0.037  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Nb-94        | 0.0024 U   | 0.0142 | 0.0042 | 0.0214 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Np-236       | 0 U        | 0.031  | 0.0093 | 0.047  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Np-239       | -0.0164 UJ | 0.109  | 0.032  | 0.139  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Pa-231       | -0.0006 U  | 0.682  | 0.201  | 0.936  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Pb-212       | 1.49       | 0.0346 | 0.0896 | 2.69   | 1.00 - 5.00             |
| 8N-00034        | 40068     | Pb-214       | 0.752      | 0.0296 | 0.0382 | 1.7    | 1.00 - 5.00             |
| 8N-00034        | 40068     | Pu-238       | 0.0075     | 0.0068 | 0.0044 | 0.0415 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Pu-239/240   | 0.0014 U   | 0.0197 | 0.0044 | 0.0404 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Pu-244       | 0.0064 U   | 0.0197 | 0.0056 | 0.0313 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Sb-125       | 0.0054 U   | 0.0463 | 0.0139 | 0.354  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Sn-126       | 0.0004 U   | 0.0158 | 0.0047 | 0.0237 | 1.00 - 5.00             |
| 8N-00034        | 40068     | Sr-90        | 0.147      | 0.171  | 0.0573 | 0.485  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Th-228       | 1.52       | 0.0873 | 0.15   | 3.98   | 1.00 - 5.00             |
| 8N-00034        | 40068     | Th-229       | 0.0224 U   | 0.0806 | 0.0225 | 0.145  | 1.00 - 5.00             |
| 8N-00034        | 40068     | Th-230       | 0.716      | 0.0693 | 0.0858 | 2.2    | 1.00 - 5.00             |
| 8N-00034        | 40068     | Th-232       | 1.06       | 0.0548 | 0.109  | 3.1    | 1.00 - 5.00             |
| 8N-00034        | 40068     | Th-234       | 1.26 J     | 0.329  | 0.326  | 3.19   | 1.00 - 5.00             |
| 8N-00034        | 40068     | Tl-208       | 0.465      | 0.0186 | 0.0275 | 0.937  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00034        | 40068     | Tm-171       | -6.64 U   | 14.9   | 4.7    | 72.4   | 1.00 - 5.00             |
| 8N-00034        | 40068     | U-233/234    | 0.585     | 0.0593 | 0.0878 | 2.02   | 1.00 - 5.00             |
| 8N-00034        | 40068     | U-235/236    | 0.0377    | 0.0733 | 0.0246 | 0.151  | 1.00 - 5.00             |
| 8N-00034        | 40068     | U-238        | 0.664     | 0.0593 | 0.0952 | 1.8    | 1.00 - 5.00             |
| 8N-00035        | 40069     | Ac-227       | -0.0118 U | 0.18   | 0.053  | 0.217  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Am-241       | 0.0057    | 0.0051 | 0.0033 | 0.0454 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Bi-212       | 1.03      | 0.148  | 0.0897 | 2.15   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Bi-214       | 0.977     | 0.027  | 0.0457 | 1.59   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Cd-113m      | -100 UJ   | 115    | 43.1   | 3030   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Cm-243/244   | 0.0063    | 0.0123 | 0.0041 | 0.0443 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Co-60        | -0.0017 U | 0.0172 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Cs-134       | 0.0094 JS | 0.0162 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Cs-137       | 0.004 U   | 0.0159 | 0.0053 | 0.207  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Eu-152       | 0 U       | 0.0441 | 0.0141 | 0.0566 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Eu-154       | -0.0124 U | 0.094  | 0.0282 | 0.15   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Eu-155       | 0.121 JS  | 0.0624 | 0.0298 | 0.231  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Ho-166m      | 0.0038 U  | 0.0259 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00035        | 40069     | K-40         | 20.5      | 0.127  | 1.16   | 32.4   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Na-22        | -0.0073 U | 0.0209 | 0.0067 | 0.037  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Nb-94        | 0.0035 U  | 0.0142 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Np-236       | -0.0063 U | 0.0322 | 0.01   | 0.047  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Np-239       | 0.0116 U  | 0.119  | 0.0348 | 0.139  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Pa-231       | -0.0864 U | 0.724  | 0.215  | 0.936  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Pb-212       | 1.8       | 0.0358 | 0.108  | 2.69   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Pb-214       | 1.07      | 0.0303 | 0.0521 | 1.7    | 0.00 - 0.50             |
| 8N-00035        | 40069     | Pu-238       | 0.0019 U  | 0.0204 | 0.0048 | 0.0415 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Pu-239/240   | -0.0014 U | 0.0245 | 0.0053 | 0.0404 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Pu-244       | 0.0035 U  | 0.0177 | 0.0045 | 0.0313 | 0.00 - 0.50             |
| 8N-00035        | 40069     | Sb-125       | 0.0183 U  | 0.0473 | 0.0145 | 0.354  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Sn-126       | -0.0033 U | 0.015  | 0.0045 | 0.0237 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00035        | 40069     | Sr-90        | 1.08      | 0.208  | 0.144  | 0.485  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Th-228       | 1.48 J    | 0.0921 | 0.166  | 3.98   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Th-229       | 0 UJ      | 0.121  | 0.0286 | 0.145  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Th-230       | 0.958     | 0.0743 | 0.117  | 2.2    | 0.00 - 0.50             |
| 8N-00035        | 40069     | Th-232       | 1.09      | 0.074  | 0.126  | 3.1    | 0.00 - 0.50             |
| 8N-00035        | 40069     | Th-234       | 1.38 J    | 0.262  | 0.142  | 3.19   | 0.00 - 0.50             |
| 8N-00035        | 40069     | Tl-208       | 0.533     | 0.0192 | 0.0298 | 0.937  | 0.00 - 0.50             |
| 8N-00035        | 40069     | Tm-171       | -6.92 U   | 11.7   | 4.31   | 72.4   | 0.00 - 0.50             |
| 8N-00035        | 40069     | U-233/234    | 0.595     | 0.0511 | 0.0735 | 2.02   | 0.00 - 0.50             |
| 8N-00035        | 40069     | U-235/236    | 0.0089 U  | 0.0445 | 0.0111 | 0.151  | 0.00 - 0.50             |
| 8N-00035        | 40069     | U-238        | 0.64      | 0.036  | 0.0766 | 1.8    | 0.00 - 0.50             |
| 8N-00035        | 40070     | Ac-227       | -0.0406 U | 0.195  | 0.0593 | 0.217  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Am-241       | -0.0032 U | 0.0297 | 0.0068 | 0.0454 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Bi-212       | 1.11      | 0.163  | 0.0974 | 2.15   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Bi-214       | 0.989     | 0.0303 | 0.0472 | 1.59   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Cd-113m      | 42.3 U    | 136    | 41.3   | 3030   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Cm-243/244   | -0.0007 U | 0.0259 | 0.0059 | 0.0443 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Co-60        | -0.0009 U | 0.0187 | 0.0056 | 0.028  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Cs-134       | 0.0063 U  | 0.0186 | 0.0062 | 0.0864 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Cs-137       | -0.0104 U | 0.0174 | 0.0058 | 0.207  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Eu-152       | -0.0229 U | 0.0484 | 0.0178 | 0.0566 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Eu-154       | 0.0063 U  | 0.104  | 0.0304 | 0.15   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Eu-155       | 0.0645 SJ | 0.0753 | 0.0276 | 0.231  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Ho-166m      | 0.0007 U  | 0.0264 | 0.0076 | 0.0432 | 1.00 - 5.00             |
| 8N-00035        | 40070     | K-40         | 16.9      | 0.125  | 0.978  | 32.4   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Na-22        | 0.0116 U  | 0.0245 | 0.0075 | 0.037  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Nb-94        | 0.0097 SK | 0.0168 | 0.0052 | 0.0214 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Np-236       | -0.0085 U | 0.037  | 0.011  | 0.047  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Np-239       | -0.074 U  | 0.129  | 0.0428 | 0.139  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Pa-231       | -0.278 U  | 0.788  | 0.247  | 0.936  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00035        | 40070     | Pb-212       | 1.87      | 0.0399 | 0.119  | 2.69   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Pb-214       | 1.1       | 0.0335 | 0.0559 | 1.7    | 1.00 - 5.00             |
| 8N-00035        | 40070     | Pu-238       | 0.005     | 0.0068 | 0.0036 | 0.0415 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Pu-239/240   | 0.0057    | 0.0159 | 0.0047 | 0.0404 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Pu-244       | 0         | 0.0068 | 0.0025 | 0.0313 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Sb-125       | 0.0134 U  | 0.0517 | 0.0157 | 0.354  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Sn-126       | -0.0009 U | 0.0173 | 0.005  | 0.0237 | 1.00 - 5.00             |
| 8N-00035        | 40070     | Sr-90        | 0.206     | 0.117  | 0.0499 | 0.485  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Th-228       | 1.52      | 0.0788 | 0.145  | 3.98   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Th-229       | -0.0204 U | 0.089  | 0.018  | 0.145  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Th-230       | 0.731     | 0.0183 | 0.0822 | 2.2    | 1.00 - 5.00             |
| 8N-00035        | 40070     | Th-232       | 1.16      | 0.0497 | 0.112  | 3.1    | 1.00 - 5.00             |
| 8N-00035        | 40070     | Th-234       | 1.88      | 0.288  | 0.181  | 3.19   | 1.00 - 5.00             |
| 8N-00035        | 40070     | Tl-208       | 0.559     | 0.0195 | 0.0333 | 0.937  | 1.00 - 5.00             |
| 8N-00035        | 40070     | Tm-171       | 1.53 U    | 14.9   | 5.16   | 72.4   | 1.00 - 5.00             |
| 8N-00035        | 40070     | U-233/234    | 0.678     | 0.0387 | 0.0729 | 2.02   | 1.00 - 5.00             |
| 8N-00035        | 40070     | U-235/236    | 0.0294    | 0.0417 | 0.0151 | 0.151  | 1.00 - 5.00             |
| 8N-00035        | 40070     | U-238        | 0.711     | 0.0466 | 0.0758 | 1.8    | 1.00 - 5.00             |
| 8N-00036        | 40071     | Ac-227       | -0.0458 U | 0.168  | 0.0508 | 0.217  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Am-241       | 0.0083    | 0.0196 | 0.006  | 0.0454 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Bi-212       | 1.02      | 0.136  | 0.0845 | 2.15   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Bi-214       | 0.851     | 0.0265 | 0.0414 | 1.59   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Cd-113m      | 25 U      | 114    | 36.1   | 3030   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Cm-243/244   | 0.0044    | 0.006  | 0.0032 | 0.0443 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Co-60        | 0.0045 U  | 0.0172 | 0.0049 | 0.028  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Cs-134       | 0.0138 JS | 0.016  | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Cs-137       | 0.0604    | 0.0152 | 0.0079 | 0.207  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Eu-152       | -0.0168 U | 0.0424 | 0.0138 | 0.0566 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Eu-154       | -0.0476 U | 0.0887 | 0.0294 | 0.15   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Eu-155       | 0.0524 JS | 0.0603 | 0.0225 | 0.231  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00036        | 40071     | Ho-166m      | -0.0028 U | 0.0235 | 0.0069 | 0.0432 | 0.00 - 0.50             |
| 8N-00036        | 40071     | K-40         | 21.3      | 0.112  | 1.2    | 32.4   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Na-22        | -0.0002 U | 0.0221 | 0.0071 | 0.037  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Nb-94        | -0.0027 U | 0.0134 | 0.004  | 0.0214 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Np-236       | 0.0108 U  | 0.0316 | 0.0099 | 0.047  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Np-239       | -0.0363 U | 0.111  | 0.0339 | 0.139  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Pa-231       | 0.401 J   | 0.702  | 0.237  | 0.936  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Pb-212       | 1.64      | 0.0372 | 0.0987 | 2.69   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Pb-214       | 0.948     | 0.0296 | 0.046  | 1.7    | 0.00 - 0.50             |
| 8N-00036        | 40071     | Pu-236       | 0.0217    | 0.02   | 0.0085 | 0.0448 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Pu-238       | 0.0087    | 0.0059 | 0.0044 | 0.0415 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Pu-239/240   | 0.0024 U  | 0.0218 | 0.0054 | 0.0404 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Pu-244       | 0.0044    | 0.0059 | 0.0031 | 0.0313 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Sb-125       | -0.0049 U | 0.0437 | 0.0132 | 0.354  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Sn-126       | -0.0028 U | 0.0149 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00036        | 40071     | Sr-90        | 0.449     | 0.19   | 0.0848 | 0.485  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Th-228       | 1.64      | 0.129  | 0.142  | 3.98   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Th-229       | 0.0413    | 0.062  | 0.0208 | 0.145  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Th-230       | 0.927     | 0.0379 | 0.0867 | 2.2    | 0.00 - 0.50             |
| 8N-00036        | 40071     | Th-232       | 1.24      | 0.0477 | 0.106  | 3.1    | 0.00 - 0.50             |
| 8N-00036        | 40071     | Th-234       | 1.2 J     | 0.245  | 0.122  | 3.19   | 0.00 - 0.50             |
| 8N-00036        | 40071     | Tl-208       | 0.499     | 0.0184 | 0.0284 | 0.937  | 0.00 - 0.50             |
| 8N-00036        | 40071     | Tm-171       | 3.26 U    | 11.4   | 3.88   | 72.4   | 0.00 - 0.50             |
| 8N-00036        | 40071     | U-233/234    | 0.623     | 0.0702 | 0.0902 | 2.02   | 0.00 - 0.50             |
| 8N-00036        | 40071     | U-235/236    | 0.022     | 0.0298 | 0.0157 | 0.151  | 0.00 - 0.50             |
| 8N-00036        | 40071     | U-238        | 0.599     | 0.0567 | 0.0874 | 1.8    | 0.00 - 0.50             |
| 8N-00036        | 40072     | Ac-227       | -0.145 U  | 0.265  | 0.0868 | 0.217  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Am-241       | 0.0039    | 0.0053 | 0.0028 | 0.0454 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Bi-212       | 1.27 J    | 0.271  | 0.167  | 2.15   | 1.00 - 5.00             |
| 8N-00036        | 40072     | Bi-214       | 1.02      | 0.0458 | 0.055  | 1.59   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00036        | 40072     | Cd-113m      | 16.4 U     | 184    | 53.8   | 3030   | 1.00 - 5.00             |
| 8N-00036        | 40072     | Cm-243/244   | 0.0002 U   | 0.0199 | 0.0045 | 0.0443 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Co-60        | -0.011 U   | 0.0295 | 0.0092 | 0.028  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Cs-134       | 0.0154 JS  | 0.0298 | 0.0101 | 0.0864 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Cs-137       | -0.0122 U  | 0.0266 | 0.0085 | 0.207  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Eu-152       | -0.0152 U  | 0.0704 | 0.0245 | 0.0566 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Eu-154       | -0.0677 U  | 0.17   | 0.055  | 0.15   | 1.00 - 5.00             |
| 8N-00036        | 40072     | Eu-155       | 0.128 JS   | 0.0886 | 0.0375 | 0.231  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Ho-166m      | -0.0331 UJ | 0.0405 | 0.0148 | 0.0432 | 1.00 - 5.00             |
| 8N-00036        | 40072     | K-40         | 19.8       | 0.208  | 1.16   | 32.4   | 1.00 - 5.00             |
| 8N-00036        | 40072     | Na-22        | -0.0154 U  | 0.0386 | 0.0121 | 0.037  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Nb-94        | 0.0093 U   | 0.0251 | 0.0074 | 0.0214 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Np-236       | -0.0117 U  | 0.0457 | 0.0143 | 0.047  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Np-239       | 0.0059 U   | 0.179  | 0.0524 | 0.139  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Pa-231       | -0.559 U   | 1.1    | 0.382  | 0.936  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Pb-212       | 1.87       | 0.0608 | 0.112  | 2.69   | 1.00 - 5.00             |
| 8N-00036        | 40072     | Pb-214       | 1.09       | 0.0497 | 0.0576 | 1.7    | 1.00 - 5.00             |
| 8N-00036        | 40072     | Pu-238       | 0.0107 U   | 0.0269 | 0.008  | 0.0415 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Pu-239/240   | 0.0018 U   | 0.0195 | 0.0046 | 0.0404 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Pu-244       | 0.0265 J   | 0.0137 | 0.008  | 0.0313 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Sb-125       | -0.0107 U  | 0.0779 | 0.0237 | 0.354  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Sn-126       | 0.0027 U   | 0.0279 | 0.0081 | 0.0237 | 1.00 - 5.00             |
| 8N-00036        | 40072     | Sr-90        | -0.0127 U  | 0.122  | 0.0305 | 0.485  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Th-228       | 1.29       | 0.115  | 0.123  | 3.98   | 1.00 - 5.00             |
| 8N-00036        | 40072     | Th-229       | 0.0441     | 0.0512 | 0.0193 | 0.145  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Th-230       | 0.715      | 0.0511 | 0.0758 | 2.2    | 1.00 - 5.00             |
| 8N-00036        | 40072     | Th-232       | 1.35       | 0.0149 | 0.116  | 3.1    | 1.00 - 5.00             |
| 8N-00036        | 40072     | Th-234       | 2.04 J     | 0.344  | 0.224  | 3.19   | 1.00 - 5.00             |
| 8N-00036        | 40072     | Tl-208       | 0.628      | 0.0321 | 0.0407 | 0.937  | 1.00 - 5.00             |
| 8N-00036        | 40072     | Tm-171       | -8.99 U    | 18.8   | 6.74   | 72.4   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00036        | 40072     | U-233/234    | 0.81      | 0.0472 | 0.0926 | 2.02   | 1.00 - 5.00             |
| 8N-00036        | 40072     | U-235/236    | 0.037     | 0.0201 | 0.0168 | 0.151  | 1.00 - 5.00             |
| 8N-00036        | 40072     | U-238        | 0.746     | 0.0472 | 0.0874 | 1.8    | 1.00 - 5.00             |
| 8N-00037        | 40073     | Ac-227       | -0.0664 U | 0.177  | 0.0571 | 0.217  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Am-241       | 0.0111    | 0.0134 | 0.0054 | 0.0454 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Bi-212       | 1.25 J    | 0.176  | 0.128  | 2.15   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Bi-214       | 1.01      | 0.0312 | 0.0503 | 1.59   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Cd-113m      | -39.2 U   | 117    | 37.5   | 3030   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Cm-243/244   | 0.0022    | 0.0058 | 0.0022 | 0.0443 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Co-60        | -0.0008 U | 0.021  | 0.0061 | 0.028  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Cs-134       | 0 U       | 0.019  | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Cs-137       | 0.0475    | 0.0184 | 0.0086 | 0.207  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Eu-152       | -0.0149 U | 0.0468 | 0.016  | 0.0566 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Eu-154       | -0.0799 U | 0.114  | 0.0404 | 0.15   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Eu-155       | 0.0797 JS | 0.0567 | 0.0234 | 0.231  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Ho-166m      | -0.0016 U | 0.0288 | 0.0084 | 0.0432 | 0.00 - 0.50             |
| 8N-00037        | 40073     | K-40         | 22.3      | 0.126  | 1.21   | 32.4   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Na-22        | -0.021 UJ | 0.0264 | 0.0095 | 0.037  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Nb-94        | 0.0067 U  | 0.0172 | 0.0051 | 0.0214 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Np-236       | -0.0113 U | 0.0285 | 0.0092 | 0.047  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Np-239       | 0.0027 U  | 0.117  | 0.0354 | 0.139  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Pa-231       | -0.358 U  | 0.729  | 0.244  | 0.936  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Pb-212       | 1.63      | 0.0352 | 0.0902 | 2.69   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Pb-214       | 1.07      | 0.033  | 0.051  | 1.7    | 0.00 - 0.50             |
| 8N-00037        | 40073     | Pu-236       | 0.0012 U  | 0.0165 | 0.0036 | 0.0448 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Pu-238       | 0.0072    | 0.0049 | 0.0036 | 0.0415 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Pu-239/240   | 0.0072    | 0.0049 | 0.0036 | 0.0404 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Pu-244       | 0.0018    | 0.0049 | 0.0018 | 0.0313 | 0.00 - 0.50             |
| 8N-00037        | 40073     | Sb-125       | 0.0241 U  | 0.0525 | 0.0161 | 0.354  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Sn-126       | -0.0007 U | 0.0193 | 0.0056 | 0.0237 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00037        | 40073     | Sr-90        | 0.245     | 0.207  | 0.0733 | 0.485  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Th-228       | 1.29      | 0.137  | 0.138  | 3.98   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Th-229       | 0.0073 U  | 0.0877 | 0.0219 | 0.145  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Th-230       | 0.793     | 0.0875 | 0.0923 | 2.2    | 0.00 - 0.50             |
| 8N-00037        | 40073     | Th-232       | 1.11      | 0.0534 | 0.113  | 3.1    | 0.00 - 0.50             |
| 8N-00037        | 40073     | Th-234       | 1.25      | 0.219  | 0.124  | 3.19   | 0.00 - 0.50             |
| 8N-00037        | 40073     | Tl-208       | 0.538     | 0.0208 | 0.0323 | 0.937  | 0.00 - 0.50             |
| 8N-00037        | 40073     | Tm-171       | 0.125 U   | 7.72   | 2.63   | 72.4   | 0.00 - 0.50             |
| 8N-00037        | 40073     | U-233/234    | 0.594     | 0.0401 | 0.0704 | 2.02   | 0.00 - 0.50             |
| 8N-00037        | 40073     | U-235/236    | 0.0332    | 0.04   | 0.0162 | 0.151  | 0.00 - 0.50             |
| 8N-00037        | 40073     | U-238        | 0.728     | 0.0324 | 0.0809 | 1.8    | 0.00 - 0.50             |
| 8N-00037        | 40074     | Ac-227       | -0.0074 U | 0.195  | 0.0597 | 0.217  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Am-241       | 0.0046    | 0.0129 | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Bi-212       | 1.14      | 0.168  | 0.103  | 2.15   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Bi-214       | 1.03      | 0.0303 | 0.0487 | 1.59   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Cd-113m      | 57 U      | 133    | 42.3   | 3030   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Cm-243/244   | 0.0074    | 0.0164 | 0.0051 | 0.0443 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Co-60        | 0.0075 U  | 0.0203 | 0.0061 | 0.028  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Cs-134       | -0.0062 U | 0.0179 | 0.0065 | 0.0864 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Cs-137       | 0.017     | 0.0174 | 0.0065 | 0.207  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Eu-152       | -0.0092 U | 0.0487 | 0.0144 | 0.0566 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Eu-154       | -0.0198 U | 0.109  | 0.0327 | 0.15   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Eu-155       | 0.0953 JS | 0.0708 | 0.0325 | 0.231  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Ho-166m      | -0.0027 U | 0.0277 | 0.0085 | 0.0432 | 1.00 - 5.00             |
| 8N-00037        | 40074     | K-40         | 21.9      | 0.142  | 1.25   | 32.4   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Na-22        | 0.0014 U  | 0.0251 | 0.0082 | 0.037  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Nb-94        | 0.011 J   | 0.0166 | 0.0055 | 0.0214 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Np-236       | -0.0146 U | 0.0355 | 0.0111 | 0.047  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Np-239       | 0.0151 U  | 0.129  | 0.0392 | 0.139  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Pa-231       | -0.355 U  | 0.772  | 0.256  | 0.936  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00037        | 40074     | Pb-212       | 1.81       | 0.041  | 0.109  | 2.69   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Pb-214       | 1.14       | 0.0339 | 0.0544 | 1.7    | 1.00 - 5.00             |
| 8N-00037        | 40074     | Pu-238       | -0.0048 U  | 0.045  | 0.0106 | 0.0415 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Pu-239/240   | -0.0013 U  | 0.0229 | 0.0042 | 0.0404 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Pu-244       | 0.0124     | 0.0185 | 0.0069 | 0.0313 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Sb-125       | -0.0169 U  | 0.0528 | 0.0162 | 0.354  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Sn-126       | 0 U        | 0.0183 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00037        | 40074     | Sr-90        | 0.0895     | 0.139  | 0.0447 | 0.485  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Th-228       | 1.78       | 0.157  | 0.165  | 3.98   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Th-229       | 0 U        | 0.0844 | 0.0204 | 0.145  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Th-230       | 0.764      | 0.0473 | 0.0839 | 2.2    | 1.00 - 5.00             |
| 8N-00037        | 40074     | Th-232       | 1.04       | 0.0173 | 0.102  | 3.1    | 1.00 - 5.00             |
| 8N-00037        | 40074     | Th-234       | 1.48 J     | 0.278  | 0.158  | 3.19   | 1.00 - 5.00             |
| 8N-00037        | 40074     | Tl-208       | 0.545      | 0.02   | 0.0316 | 0.937  | 1.00 - 5.00             |
| 8N-00037        | 40074     | Tm-171       | 4.48 U     | 16.5   | 5.72   | 72.4   | 1.00 - 5.00             |
| 8N-00037        | 40074     | U-233/234    | 0.598      | 0.0414 | 0.0715 | 2.02   | 1.00 - 5.00             |
| 8N-00037        | 40074     | U-235/236    | 0.0389     | 0.0176 | 0.0161 | 0.151  | 1.00 - 5.00             |
| 8N-00037        | 40074     | U-238        | 0.699      | 0.0334 | 0.0794 | 1.8    | 1.00 - 5.00             |
| 8N-00038        | 40075     | Ac-227       | -0.139 LU  | 0.194  | 0.0671 | 0.217  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Am-241       | 0.0028 U   | 0.014  | 0.0035 | 0.0454 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Bi-212       | 1.08       | 0.176  | 0.107  | 2.15   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Bi-214       | 0.989      | 0.0323 | 0.0481 | 1.59   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Cd-113m      | 22.5 U     | 133    | 39     | 3030   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Cm-243/244   | -0.001 U   | 0.0177 | 0.0032 | 0.0443 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Co-60        | 0.0049 U   | 0.0219 | 0.0064 | 0.028  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Cs-134       | 0.0084 U   | 0.0194 | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Cs-137       | -0.0134 LU | 0.0186 | 0.0065 | 0.207  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Eu-152       | -0.0183 U  | 0.0496 | 0.0162 | 0.0566 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Eu-154       | -0.0466 U  | 0.113  | 0.0354 | 0.15   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Eu-155       | 0.0754 SJ  | 0.0753 | 0.0284 | 0.231  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00038        | 40075     | Ho-166m      | -0.0116 U | 0.0286 | 0.0091 | 0.0432 | 0.00 - 0.50             |
| 8N-00038        | 40075     | K-40         | 20        | 0.151  | 1.23   | 32.4   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Na-22        | -0.0186 U | 0.027  | 0.0095 | 0.037  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Nb-94        | 0.0021 U  | 0.0165 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Np-236       | -0.0098 U | 0.0358 | 0.0111 | 0.047  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Np-239       | -0.0394 U | 0.13   | 0.0393 | 0.139  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Pa-231       | -0.259 U  | 0.808  | 0.257  | 0.936  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Pb-212       | 1.7       | 0.04   | 0.102  | 2.69   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Pb-214       | 1.07      | 0.0355 | 0.0525 | 1.7    | 0.00 - 0.50             |
| 8N-00038        | 40075     | Pu-238       | 0.0009 U  | 0.0212 | 0.0041 | 0.0415 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Pu-239/240   | 0.0099    | 0.009  | 0.0058 | 0.0404 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Pu-244       | 0.0019 U  | 0.0261 | 0.0058 | 0.0313 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Sb-125       | -0.0067 U | 0.0532 | 0.0163 | 0.354  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Sn-126       | 0.0091 U  | 0.0191 | 0.0059 | 0.0237 | 0.00 - 0.50             |
| 8N-00038        | 40075     | Sr-90        | 0.0381 U  | 0.158  | 0.0463 | 0.485  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Th-228       | 1.89      | 0.0791 | 0.183  | 3.98   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Th-229       | 0.017 U   | 0.0625 | 0.017  | 0.145  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Th-230       | 0.898     | 0.0229 | 0.103  | 2.2    | 0.00 - 0.50             |
| 8N-00038        | 40075     | Th-232       | 1.16      | 0.0229 | 0.121  | 3.1    | 0.00 - 0.50             |
| 8N-00038        | 40075     | Th-234       | 1.22 J    | 0.289  | 0.149  | 3.19   | 0.00 - 0.50             |
| 8N-00038        | 40075     | Tl-208       | 0.524     | 0.0222 | 0.0312 | 0.937  | 0.00 - 0.50             |
| 8N-00038        | 40075     | Tm-171       | -1.5 U    | 18.3   | 6      | 72.4   | 0.00 - 0.50             |
| 8N-00038        | 40075     | U-233/234    | 0.559     | 0.0532 | 0.0672 | 2.02   | 0.00 - 0.50             |
| 8N-00038        | 40075     | U-235/236    | 0.0499    | 0.0384 | 0.019  | 0.151  | 0.00 - 0.50             |
| 8N-00038        | 40075     | U-238        | 0.663     | 0.0442 | 0.075  | 1.8    | 0.00 - 0.50             |
| 8N-00038        | 40076     | Ac-227       | -0.0079 U | 0.214  | 0.0636 | 0.217  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Am-241       | 0.0019    | 0.0052 | 0.0019 | 0.0454 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Bi-212       | 0.914 J   | 0.174  | 0.101  | 2.15   | 1.00 - 5.00             |
| 8N-00038        | 40076     | Bi-214       | 0.654     | 0.034  | 0.0356 | 1.59   | 1.00 - 5.00             |
| 8N-00038        | 40076     | Cd-113m      | -17.7 U   | 141    | 42.2   | 3030   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00038        | 40076     | Cm-243/244   | 0.003 U   | 0.0153 | 0.0039 | 0.0443 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Co-60        | -0.0034 U | 0.0199 | 0.006  | 0.028  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Cs-134       | -0.0078 U | 0.0198 | 0.0072 | 0.0864 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Cs-137       | -0.0058 U | 0.0192 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Eu-152       | -0.0244 U | 0.0525 | 0.0185 | 0.0566 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Eu-154       | -0.028 U  | 0.114  | 0.0343 | 0.15   | 1.00 - 5.00             |
| 8N-00038        | 40076     | Eu-155       | 0.0974 JS | 0.0793 | 0.0299 | 0.231  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Ho-166m      | -0.002 U  | 0.03   | 0.0089 | 0.0432 | 1.00 - 5.00             |
| 8N-00038        | 40076     | K-40         | 15.4      | 0.15   | 0.967  | 32.4   | 1.00 - 5.00             |
| 8N-00038        | 40076     | Na-22        | -0.0084 U | 0.0259 | 0.0081 | 0.037  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Nb-94        | 0.0077 U  | 0.0179 | 0.0055 | 0.0214 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Np-236       | -0.0159 U | 0.0397 | 0.0129 | 0.047  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Np-239       | -0.0287 U | 0.144  | 0.0433 | 0.139  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Pa-231       | -0.184 U  | 0.858  | 0.282  | 0.936  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Pb-212       | 1.79      | 0.0443 | 0.116  | 2.69   | 1.00 - 5.00             |
| 8N-00038        | 40076     | Pb-214       | 0.765     | 0.037  | 0.0398 | 1.7    | 1.00 - 5.00             |
| 8N-00038        | 40076     | Pu-238       | 0.0057    | 0.0159 | 0.0047 | 0.0415 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Pu-239/240   | 0.0003 U  | 0.0249 | 0.0056 | 0.0404 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Pu-244       | 0.0032 U  | 0.0158 | 0.0039 | 0.0313 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Sb-125       | 0.0089 U  | 0.0575 | 0.0174 | 0.354  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Sn-126       | 0.0043 U  | 0.0197 | 0.0058 | 0.0237 | 1.00 - 5.00             |
| 8N-00038        | 40076     | Sr-90        | 0.113     | 0.142  | 0.0476 | 0.485  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Th-228       | 1.5       | 0.0723 | 0.139  | 3.98   | 1.00 - 5.00             |
| 8N-00038        | 40076     | Th-229       | 0.0062 U  | 0.0667 | 0.0164 | 0.145  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Th-230       | 0.637     | 0.0574 | 0.0738 | 2.2    | 1.00 - 5.00             |
| 8N-00038        | 40076     | Th-232       | 1.12      | 0.0454 | 0.106  | 3.1    | 1.00 - 5.00             |
| 8N-00038        | 40076     | Th-234       | 1.49 J    | 0.419  | 0.395  | 3.19   | 1.00 - 5.00             |
| 8N-00038        | 40076     | Tl-208       | 0.52      | 0.0228 | 0.0314 | 0.937  | 1.00 - 5.00             |
| 8N-00038        | 40076     | Tm-171       | -16.8 UJ  | 21.5   | 7.77   | 72.4   | 1.00 - 5.00             |
| 8N-00038        | 40076     | U-233/234    | 0.727     | 0.0438 | 0.074  | 2.02   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00038        | 40076     | U-235/236    | 0.041     | 0.0419 | 0.0167 | 0.151  | 1.00 - 5.00             |
| 8N-00038        | 40076     | U-238        | 0.712     | 0.0339 | 0.0725 | 1.8    | 1.00 - 5.00             |
| 8N-00039        | 40077     | Ac-227       | -0.0662 U | 0.166  | 0.0526 | 0.217  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Am-241       | 0.006     | 0.0147 | 0.0046 | 0.0454 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Bi-212       | 0.912     | 0.133  | 0.0787 | 2.15   | 0.00 - 0.50             |
| 8N-00039        | 40077     | Bi-214       | 0.796     | 0.0249 | 0.0379 | 1.59   | 0.00 - 0.50             |
| 8N-00039        | 40077     | Cd-113m      | -79.6 UJ  | 111    | 38.7   | 3030   | 0.00 - 0.50             |
| 8N-00039        | 40077     | Cm-243/244   | 0.0025    | 0.0069 | 0.0025 | 0.0443 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Co-60        | 0.0074 U  | 0.0164 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Cs-134       | 0.0003 U  | 0.0149 | 0.0049 | 0.0864 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Cs-137       | 0.0365    | 0.0151 | 0.0064 | 0.207  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Eu-152       | -0.0208 U | 0.041  | 0.0139 | 0.0566 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Eu-154       | -0.0471 U | 0.0842 | 0.0282 | 0.15   | 0.00 - 0.50             |
| 8N-00039        | 40077     | Eu-155       | 0.0835 JS | 0.0622 | 0.0277 | 0.231  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Ho-166m      | 0.0038 U  | 0.0222 | 0.0065 | 0.0432 | 0.00 - 0.50             |
| 8N-00039        | 40077     | K-40         | 22        | 0.107  | 1.25   | 32.4   | 0.00 - 0.50             |
| 8N-00039        | 40077     | Na-22        | -0.0032 U | 0.0202 | 0.0062 | 0.037  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Nb-94        | 0.007 JS  | 0.0132 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Np-236       | 0.0035 U  | 0.0326 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Np-239       | -0.008 U  | 0.109  | 0.0326 | 0.139  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Pa-231       | -0.154 U  | 0.669  | 0.205  | 0.936  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Pb-212       | 1.5       | 0.0342 | 0.0947 | 2.69   | 0.00 - 0.50             |
| 8N-00039        | 40077     | Pb-214       | 0.857     | 0.0288 | 0.0435 | 1.7    | 0.00 - 0.50             |
| 8N-00039        | 40077     | Pu-238       | -0.0029 U | 0.0227 | 0.004  | 0.0415 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Pu-239/240   | 0.0014 U  | 0.0197 | 0.0043 | 0.0404 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Pu-244       | 0.0082    | 0.0159 | 0.0053 | 0.0313 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Sb-125       | 0.0006 U  | 0.0426 | 0.0129 | 0.354  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Sn-126       | 0.0026 U  | 0.0145 | 0.0042 | 0.0237 | 0.00 - 0.50             |
| 8N-00039        | 40077     | Sr-90        | 2.34 J    | 0.19   | 0.263  | 0.485  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Th-228       | 1.35      | 0.108  | 0.139  | 3.98   | 0.00 - 0.50             |



**Table A.2  
Analytical Results Summary  
Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00039        | 40077     | Th-229       | 0.0216 U  | 0.0774 | 0.0216 | 0.145  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Th-230       | 0.761     | 0.0194 | 0.0864 | 2.2    | 0.00 - 0.50             |
| 8N-00039        | 40077     | Th-232       | 1.18      | 0.0194 | 0.115  | 3.1    | 0.00 - 0.50             |
| 8N-00039        | 40077     | Th-234       | 1.08 J    | 0.244  | 0.118  | 3.19   | 0.00 - 0.50             |
| 8N-00039        | 40077     | Tl-208       | 0.479     | 0.017  | 0.028  | 0.937  | 0.00 - 0.50             |
| 8N-00039        | 40077     | Tm-171       | -2.11 U   | 12.6   | 4.42   | 72.4   | 0.00 - 0.50             |
| 8N-00039        | 40077     | U-233/234    | 0.8       | 0.0306 | 0.0798 | 2.02   | 0.00 - 0.50             |
| 8N-00039        | 40077     | U-235/236    | 0.0767    | 0.013  | 0.0199 | 0.151  | 0.00 - 0.50             |
| 8N-00039        | 40077     | U-238        | 0.765     | 0.0247 | 0.0771 | 1.8    | 0.00 - 0.50             |
| 8N-00039        | 40078     | Ac-227       | 0.0545 U  | 0.16   | 0.0477 | 0.217  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Am-241       | 0.0039    | 0.0053 | 0.0028 | 0.0454 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Bi-212       | 1.03      | 0.127  | 0.0912 | 2.15   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Bi-214       | 0.742     | 0.0235 | 0.0353 | 1.59   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Cd-113m      | -4.23 U   | 107    | 32.1   | 3030   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Cm-243/244   | 0.0019 U  | 0.0246 | 0.0062 | 0.0443 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Co-60        | -0.0028 U | 0.0157 | 0.0048 | 0.028  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Cs-134       | -0.0004 U | 0.0138 | 0.0048 | 0.0864 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Cs-137       | 0.0129    | 0.0135 | 0.0046 | 0.207  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Eu-152       | -0.0098 U | 0.0398 | 0.012  | 0.0566 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Eu-154       | 0.0272 U  | 0.084  | 0.0283 | 0.15   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Eu-155       | 0.0166 U  | 0.06   | 0.0184 | 0.231  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Ho-166m      | 0.0135 JS | 0.0225 | 0.0073 | 0.0432 | 1.00 - 5.00             |
| 8N-00039        | 40078     | K-40         | 20.3      | 0.107  | 1.14   | 32.4   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Na-22        | -0.0003 U | 0.0203 | 0.0061 | 0.037  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Nb-94        | 0.003 U   | 0.0126 | 0.0039 | 0.0214 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Np-236       | 0.0032 U  | 0.03   | 0.0091 | 0.047  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Np-239       | -0.0031 U | 0.105  | 0.0327 | 0.139  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Pa-231       | 0.131 U   | 0.647  | 0.196  | 0.936  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Pb-212       | 1.58      | 0.0334 | 0.0931 | 2.69   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Pb-214       | 0.81      | 0.027  | 0.0396 | 1.7    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00039        | 40078     | Pu-238       | 0         | 0.0075 | 0.0028 | 0.0415 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Pu-239/240   | 0.0083    | 0.0075 | 0.0048 | 0.0404 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Pu-244       | 0.0055    | 0.0075 | 0.0039 | 0.0313 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Sb-125       | 0.0253 JS | 0.0418 | 0.0134 | 0.354  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Sn-126       | -0.0039 U | 0.0135 | 0.0043 | 0.0237 | 1.00 - 5.00             |
| 8N-00039        | 40078     | Sr-90        | 0.307     | 0.173  | 0.0715 | 0.485  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Th-228       | 1.4       | 0.141  | 0.128  | 3.98   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Th-229       | 0.0251    | 0.0542 | 0.0167 | 0.145  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Th-230       | 0.798     | 0.054  | 0.0788 | 2.2    | 1.00 - 5.00             |
| 8N-00039        | 40078     | Th-232       | 1.07      | 0.0601 | 0.0962 | 3.1    | 1.00 - 5.00             |
| 8N-00039        | 40078     | Th-234       | 1.42 J    | 0.231  | 0.142  | 3.19   | 1.00 - 5.00             |
| 8N-00039        | 40078     | Tl-208       | 0.493     | 0.0162 | 0.0277 | 0.937  | 1.00 - 5.00             |
| 8N-00039        | 40078     | Tm-171       | 1.92 U    | 12.4   | 4.12   | 72.4   | 1.00 - 5.00             |
| 8N-00039        | 40078     | U-233/234    | 0.774     | 0.0427 | 0.0864 | 2.02   | 1.00 - 5.00             |
| 8N-00039        | 40078     | U-235/236    | 0.0535    | 0.0181 | 0.0193 | 0.151  | 1.00 - 5.00             |
| 8N-00039        | 40078     | U-238        | 0.945     | 0.0427 | 0.0998 | 1.8    | 1.00 - 5.00             |
| 8N-00040        | 40079     | Ac-227       | 0.0588 U  | 0.19   | 0.0594 | 0.217  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Am-241       | -0.0005 U | 0.0172 | 0.0031 | 0.0454 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Bi-212       | 1.02 J    | 0.188  | 0.106  | 2.15   | 0.00 - 0.50             |
| 8N-00040        | 40079     | Bi-214       | 1.02      | 0.0344 | 0.0512 | 1.59   | 0.00 - 0.50             |
| 8N-00040        | 40079     | Cd-113m      | 6.57 U    | 127    | 39.2   | 3030   | 0.00 - 0.50             |
| 8N-00040        | 40079     | Cm-243/244   | 0.0048    | 0.0066 | 0.0034 | 0.0443 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Co-60        | -0.0097 U | 0.023  | 0.0072 | 0.028  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Cs-134       | 0.0055 U  | 0.0201 | 0.0069 | 0.0864 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Cs-137       | 0.009 U   | 0.0227 | 0.0083 | 0.207  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Eu-152       | 0.0002 U  | 0.0495 | 0.0155 | 0.0566 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Eu-154       | -0.108 UJ | 0.118  | 0.045  | 0.15   | 0.00 - 0.50             |
| 8N-00040        | 40079     | Eu-155       | 0.0816 JS | 0.057  | 0.0259 | 0.231  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Ho-166m      | 0.0099 U  | 0.0317 | 0.0092 | 0.0432 | 0.00 - 0.50             |
| 8N-00040        | 40079     | K-40         | 21.8      | 0.182  | 1.2    | 32.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00040        | 40079     | Na-22        | -0.0088 U | 0.0278 | 0.0084 | 0.037  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Nb-94        | 0.0018 U  | 0.0175 | 0.005  | 0.0214 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Np-236       | -0.0118 U | 0.03   | 0.0093 | 0.047  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Np-239       | 0.0174 U  | 0.121  | 0.037  | 0.139  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Pa-231       | -0.0481 U | 0.793  | 0.247  | 0.936  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Pb-212       | 1.57      | 0.0373 | 0.0886 | 2.69   | 0.00 - 0.50             |
| 8N-00040        | 40079     | Pb-214       | 1.06      | 0.0347 | 0.0499 | 1.7    | 0.00 - 0.50             |
| 8N-00040        | 40079     | Pu-238       | 0.0026    | 0.0069 | 0.0026 | 0.0415 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Pu-239/240   | -0.0055 U | 0.0229 | 0.0041 | 0.0404 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Pu-244       | 0.0033 U  | 0.0162 | 0.004  | 0.0313 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Sb-125       | 0.0243 U  | 0.0553 | 0.0169 | 0.354  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Sn-126       | 0.005 U   | 0.021  | 0.0061 | 0.0237 | 0.00 - 0.50             |
| 8N-00040        | 40079     | Sr-90        | 0.066 U   | 0.197  | 0.058  | 0.485  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Th-228       | 1.76      | 0.155  | 0.168  | 3.98   | 0.00 - 0.50             |
| 8N-00040        | 40079     | Th-229       | 0.0445    | 0.0688 | 0.0236 | 0.145  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Th-230       | 0.983     | 0.0687 | 0.104  | 2.2    | 0.00 - 0.50             |
| 8N-00040        | 40079     | Th-232       | 1.25      | 0.02   | 0.12   | 3.1    | 0.00 - 0.50             |
| 8N-00040        | 40079     | Th-234       | 1.39      | 0.207  | 0.124  | 3.19   | 0.00 - 0.50             |
| 8N-00040        | 40079     | Tl-208       | 0.505     | 0.0237 | 0.0309 | 0.937  | 0.00 - 0.50             |
| 8N-00040        | 40079     | Tm-171       | 3.82 U    | 8.3    | 2.77   | 72.4   | 0.00 - 0.50             |
| 8N-00040        | 40079     | U-233/234    | 0.945     | 0.0232 | 0.0888 | 2.02   | 0.00 - 0.50             |
| 8N-00040        | 40079     | U-235/236    | 0.045     | 0.0122 | 0.0146 | 0.151  | 0.00 - 0.50             |
| 8N-00040        | 40079     | U-238        | 0.908     | 0.0232 | 0.0861 | 1.8    | 0.00 - 0.50             |
| 8N-00040        | 40080     | Ac-227       | 0.0756 U  | 0.187  | 0.0564 | 0.217  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Am-241       | 0.0044 UJ | 0.0903 | 0.024  | 0.0454 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Bi-212       | 1.12      | 0.154  | 0.0897 | 2.15   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Bi-214       | 0.976     | 0.0276 | 0.0462 | 1.59   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Cd-113m      | 103 J     | 130    | 45.1   | 3030   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Cm-243/244   | 0.0255 UJ | 0.0732 | 0.0214 | 0.0443 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Co-60        | -0.0062 U | 0.018  | 0.0057 | 0.028  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00040        | 40080     | Cs-134       | 0.0026 U   | 0.0173 | 0.0059 | 0.0864 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Cs-137       | 0.0033 U   | 0.0168 | 0.0058 | 0.207  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Eu-152       | -0.0228 U  | 0.0455 | 0.0151 | 0.0566 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Eu-154       | -0.0233 U  | 0.099  | 0.03   | 0.15   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Eu-155       | 0.0401 JS  | 0.0703 | 0.023  | 0.231  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Ho-166m      | -0.0133 U  | 0.0239 | 0.0082 | 0.0432 | 1.00 - 5.00             |
| 8N-00040        | 40080     | K-40         | 23.8       | 0.111  | 1.33   | 32.4   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Na-22        | 0.0036 U   | 0.0231 | 0.0068 | 0.037  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Nb-94        | -0.0014 U  | 0.014  | 0.0043 | 0.0214 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Np-236       | -0.0098 U  | 0.0337 | 0.0105 | 0.047  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Np-239       | -0.0625 UJ | 0.12   | 0.0409 | 0.139  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Pa-231       | -0.0338 U  | 0.761  | 0.222  | 0.936  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Pb-212       | 1.78       | 0.0375 | 0.105  | 2.69   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Pb-214       | 1.06       | 0.0322 | 0.0506 | 1.7    | 1.00 - 5.00             |
| 8N-00040        | 40080     | Pu-238       | 0.0091     | 0.0177 | 0.0059 | 0.0415 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Pu-239/240   | 0.0036 U   | 0.0176 | 0.0044 | 0.0404 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Pu-244       | 0.0202     | 0.0176 | 0.0082 | 0.0313 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Sb-125       | 0.0044 U   | 0.0471 | 0.0139 | 0.354  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Sn-126       | -0.0103 U  | 0.0154 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00040        | 40080     | Sr-90        | 0.0774 U   | 0.17   | 0.0521 | 0.485  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Th-228       | 1.74       | 0.0875 | 0.153  | 3.98   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Th-229       | -0.0174 U  | 0.0819 | 0.0174 | 0.145  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Th-230       | 0.927      | 0.0696 | 0.0926 | 2.2    | 1.00 - 5.00             |
| 8N-00040        | 40080     | Th-232       | 1.25       | 0.0157 | 0.112  | 3.1    | 1.00 - 5.00             |
| 8N-00040        | 40080     | Th-234       | 1.6 J      | 0.257  | 0.174  | 3.19   | 1.00 - 5.00             |
| 8N-00040        | 40080     | Tl-208       | 0.534      | 0.0183 | 0.0305 | 0.937  | 1.00 - 5.00             |
| 8N-00040        | 40080     | Tm-171       | -2.29 U    | 14.3   | 4.81   | 72.4   | 1.00 - 5.00             |
| 8N-00040        | 40080     | U-233/234    | 0.818      | 0.0716 | 0.109  | 2.02   | 1.00 - 5.00             |
| 8N-00040        | 40080     | U-235/236    | 0.0144 UJ  | 0.0715 | 0.0179 | 0.151  | 1.00 - 5.00             |
| 8N-00040        | 40080     | U-238        | 0.634      | 0.0822 | 0.0925 | 1.8    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00041        | 40081     | Ac-227       | 0.0369 U   | 0.203  | 0.0624 | 0.217  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Am-241       | -0.0011 U  | 0.0206 | 0.0045 | 0.0454 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Bi-212       | 1.03       | 0.149  | 0.0891 | 2.15   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Bi-214       | 0.776      | 0.029  | 0.0384 | 1.59   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Cd-113m      | -19.2 U    | 133    | 44.4   | 3030   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Cm-243/244   | 0.0118     | 0.0194 | 0.0065 | 0.0443 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Co-60        | -0.0017 U  | 0.0179 | 0.0053 | 0.028  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Cs-134       | 0.0006 U   | 0.0176 | 0.006  | 0.0864 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Cs-137       | 0.011 J    | 0.0172 | 0.0062 | 0.207  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Eu-152       | 0.006 U    | 0.0504 | 0.0192 | 0.0566 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Eu-154       | 0.0191 U   | 0.0969 | 0.028  | 0.15   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Eu-155       | 0.0813 JS  | 0.0768 | 0.0261 | 0.231  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Ho-166m      | -0.0004 U  | 0.0263 | 0.0079 | 0.0432 | 1.00 - 5.00             |
| 8N-00041        | 40081     | K-40         | 18.5       | 0.141  | 1.13   | 32.4   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Na-22        | -0.0092 U  | 0.023  | 0.0073 | 0.037  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Nb-94        | 0.0066 U   | 0.0148 | 0.0046 | 0.0214 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Np-236       | -0.0286 UJ | 0.0373 | 0.0136 | 0.047  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Np-239       | -0.065 U   | 0.132  | 0.0436 | 0.139  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Pa-231       | 0.264 U    | 0.831  | 0.279  | 0.936  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Pb-212       | 1.72       | 0.0418 | 0.106  | 2.69   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Pb-214       | 0.859      | 0.0343 | 0.0433 | 1.7    | 1.00 - 5.00             |
| 8N-00041        | 40081     | Pu-238       | -0.001 U   | 0.0179 | 0.0032 | 0.0415 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Pu-239/240   | -0.0016 U  | 0.0144 | 0.0028 | 0.0404 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Pu-244       | 0.0013 U   | 0.0178 | 0.0039 | 0.0313 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Sb-125       | 0.0114 U   | 0.0518 | 0.0153 | 0.354  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Sn-126       | 0.0074 U   | 0.0169 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8N-00041        | 40081     | Sr-90        | -0.0259 U  | 0.167  | 0.0434 | 0.485  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Th-228       | 1.69       | 0.128  | 0.152  | 3.98   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Th-229       | 0.0414     | 0.0436 | 0.0179 | 0.145  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Th-230       | 0.697      | 0.0636 | 0.0773 | 2.2    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00041        | 40081     | Th-232       | 1.05       | 0.016  | 0.0999 | 3.1    | 1.00 - 5.00             |
| 8N-00041        | 40081     | Th-234       | 1.68 J     | 0.302  | 0.175  | 3.19   | 1.00 - 5.00             |
| 8N-00041        | 40081     | Tl-208       | 0.529      | 0.0201 | 0.0299 | 0.937  | 1.00 - 5.00             |
| 8N-00041        | 40081     | Tm-171       | -4.07 U    | 18.2   | 6.21   | 72.4   | 1.00 - 5.00             |
| 8N-00041        | 40081     | U-233/234    | 0.656      | 0.0151 | 0.0774 | 2.02   | 1.00 - 5.00             |
| 8N-00041        | 40081     | U-235/236    | 0.0345     | 0.0187 | 0.0156 | 0.151  | 1.00 - 5.00             |
| 8N-00041        | 40081     | U-238        | 0.832      | 0.0151 | 0.0916 | 1.8    | 1.00 - 5.00             |
| 8N-00042        | 40082     | Ac-227       | -0.0607 U  | 0.237  | 0.075  | 0.217  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Am-241       | 0.0045 U   | 0.0211 | 0.0056 | 0.0454 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Bi-212       | 1.43 J     | 0.25   | 0.149  | 2.15   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Bi-214       | 1.26       | 0.0467 | 0.0629 | 1.59   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Cd-113m      | -11.9 U    | 159    | 55.3   | 3030   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Cm-243/244   | 0.0015 U   | 0.0251 | 0.0061 | 0.0443 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Co-60        | 0.0006 U   | 0.0301 | 0.0085 | 0.028  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Cs-134       | 0.0129 U   | 0.0285 | 0.0098 | 0.0864 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Cs-137       | -0.0084 U  | 0.0263 | 0.0084 | 0.207  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Eu-152       | -0.0434 UJ | 0.0605 | 0.0215 | 0.0566 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Eu-154       | -0.064 U   | 0.152  | 0.0485 | 0.15   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Eu-155       | 0.14 JS    | 0.072  | 0.0293 | 0.231  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Ho-166m      | 0.002 U    | 0.0417 | 0.0119 | 0.0432 | 1.00 - 5.00             |
| 8N-00042        | 40082     | K-40         | 20         | 0.208  | 1.12   | 32.4   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Na-22        | 0.0016 U   | 0.0381 | 0.0108 | 0.037  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Nb-94        | 0.0129 J   | 0.0248 | 0.0075 | 0.0214 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Np-236       | -0.0313 UJ | 0.0361 | 0.0132 | 0.047  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Np-239       | -0.039 U   | 0.152  | 0.0478 | 0.139  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Pa-231       | -0.0124 U  | 0.997  | 0.307  | 0.936  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Pb-212       | 2.19       | 0.049  | 0.124  | 2.69   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Pb-214       | 1.25       | 0.0458 | 0.0591 | 1.7    | 1.00 - 5.00             |
| 8N-00042        | 40082     | Pu-238       | 0.003 U    | 0.0151 | 0.0038 | 0.0415 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Pu-239/240   | 0.006 U    | 0.0186 | 0.0053 | 0.0404 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00042        | 40082     | Pu-244       | 0.0142    | 0.0064 | 0.0058 | 0.0313 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Sb-125       | -0.0098 U | 0.0702 | 0.0209 | 0.354  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Sn-126       | 0.019 J   | 0.0265 | 0.0084 | 0.0237 | 1.00 - 5.00             |
| 8N-00042        | 40082     | Sr-90        | 0.0823 U  | 0.227  | 0.0679 | 0.485  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Th-228       | 1.51      | 0.1    | 0.141  | 3.98   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Th-229       | 0.0551    | 0.0569 | 0.0223 | 0.145  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Th-230       | 0.929     | 0.0658 | 0.0941 | 2.2    | 1.00 - 5.00             |
| 8N-00042        | 40082     | Th-232       | 1.23      | 0.0449 | 0.113  | 3.1    | 1.00 - 5.00             |
| 8N-00042        | 40082     | Th-234       | 1.34 J    | 0.274  | 0.121  | 3.19   | 1.00 - 5.00             |
| 8N-00042        | 40082     | Tl-208       | 0.709     | 0.0297 | 0.0428 | 0.937  | 1.00 - 5.00             |
| 8N-00042        | 40082     | Tm-171       | -0.78 U   | 10.5   | 3.36   | 72.4   | 1.00 - 5.00             |
| 8N-00042        | 40082     | U-233/234    | 0.716     | 0.0647 | 0.0835 | 2.02   | 1.00 - 5.00             |
| 8N-00042        | 40082     | U-235/236    | 0.0274    | 0.0186 | 0.0138 | 0.151  | 1.00 - 5.00             |
| 8N-00042        | 40082     | U-238        | 0.838     | 0.0353 | 0.0921 | 1.8    | 1.00 - 5.00             |
| 8N-00043        | 40083     | Ac-227       | -0.109 U  | 0.256  | 0.0807 | 0.217  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Am-241       | 0.0198    | 0.0136 | 0.007  | 0.0454 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Bi-212       | 1.14 J    | 0.369  | 0.294  | 2.15   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Bi-214       | 1.07 J    | 0.0423 | 0.0573 | 1.59   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Cd-113m      | -39.2 U   | 172    | 51.9   | 3030   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Cm-243/244   | 0.0062 U  | 0.0197 | 0.0056 | 0.0443 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Co-60        | 0.0008 U  | 0.0292 | 0.0084 | 0.028  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Cs-134       | -0.0067 U | 0.0248 | 0.0086 | 0.0864 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Cs-137       | -0.0028 U | 0.0276 | 0.0081 | 0.207  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Eu-152       | 0.0201 U  | 0.0656 | 0.0223 | 0.0566 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Eu-154       | -0.0521 U | 0.156  | 0.0495 | 0.15   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Eu-155       | 0.0847 JS | 0.0863 | 0.0322 | 0.231  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Ho-166m      | 0.0066 U  | 0.041  | 0.0119 | 0.0432 | 1.00 - 5.00             |
| 8N-00043        | 40083     | K-40         | 18.7      | 0.207  | 1.09   | 32.4   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Na-22        | 0.0071 U  | 0.0386 | 0.0111 | 0.037  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Nb-94        | 0.0068 U  | 0.023  | 0.0067 | 0.0214 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00043        | 40083     | Np-236       | -0.0068 U | 0.0443 | 0.0137 | 0.047  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Np-239       | 0.0173 U  | 0.168  | 0.0491 | 0.139  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Pa-231       | 0.401 U   | 1.07   | 0.363  | 0.936  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Pb-212       | 1.75      | 0.0519 | 0.104  | 2.69   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Pb-214       | 1.13      | 0.0469 | 0.0568 | 1.7    | 1.00 - 5.00             |
| 8N-00043        | 40083     | Pu-238       | -0.0029 U | 0.0161 | 0.0029 | 0.0415 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Pu-239/240   | 0.0081    | 0.0055 | 0.0041 | 0.0404 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Pu-244       | 0.0046    | 0.0129 | 0.0038 | 0.0313 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Sb-125       | -0.0105 U | 0.0736 | 0.0225 | 0.354  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Sn-126       | -0.0061 U | 0.0251 | 0.0076 | 0.0237 | 1.00 - 5.00             |
| 8N-00043        | 40083     | Sr-90        | 0.342     | 0.199  | 0.0839 | 0.485  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Th-228       | 1.48      | 0.0989 | 0.141  | 3.98   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Th-229       | 0.0202 U  | 0.0808 | 0.0223 | 0.145  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Th-230       | 0.933     | 0.0494 | 0.0961 | 2.2    | 1.00 - 5.00             |
| 8N-00043        | 40083     | Th-232       | 1.32      | 0.0181 | 0.121  | 3.1    | 1.00 - 5.00             |
| 8N-00043        | 40083     | Th-234       | 1.59 J    | 0.421  | 0.405  | 3.19   | 1.00 - 5.00             |
| 8N-00043        | 40083     | Tl-208       | 0.577     | 0.029  | 0.0378 | 0.937  | 1.00 - 5.00             |
| 8N-00043        | 40083     | Tm-171       | -9.99 U   | 17.7   | 5.89   | 72.4   | 1.00 - 5.00             |
| 8N-00043        | 40083     | U-233/234    | 0.742     | 0.0169 | 0.0878 | 2.02   | 1.00 - 5.00             |
| 8N-00043        | 40083     | U-235/236    | 0.0253    | 0.0491 | 0.0165 | 0.151  | 1.00 - 5.00             |
| 8N-00043        | 40083     | U-238        | 0.823     | 0.0565 | 0.0952 | 1.8    | 1.00 - 5.00             |
| 8N-00044        | 40084     | Ac-227       | 0.0777 U  | 0.191  | 0.0596 | 0.217  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Am-241       | 0.0055 U  | 0.0224 | 0.006  | 0.0454 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Bi-212       | 0.872 J   | 0.153  | 0.0927 | 2.15   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Bi-214       | 0.865     | 0.0296 | 0.042  | 1.59   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Cd-113m      | 19.7 U    | 127    | 41.5   | 3030   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Cm-243/244   | 0.0044 U  | 0.0187 | 0.0048 | 0.0443 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Co-60        | 0.0056 U  | 0.0197 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Cs-134       | 0.0444 SK | 0.0172 | 0.0072 | 0.0864 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Cs-137       | 0.0721    | 0.0171 | 0.0084 | 0.207  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00044        | 40084     | Eu-152       | -0.0341 UJ | 0.047  | 0.0168 | 0.0566 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Eu-154       | -0.015 U   | 0.102  | 0.0299 | 0.15   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Eu-155       | 0.0661 JS  | 0.0709 | 0.03   | 0.231  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Ho-166m      | -0.0074 U  | 0.0261 | 0.0081 | 0.0432 | 0.00 - 0.50             |
| 8N-00044        | 40084     | K-40         | 17.6       | 0.133  | 0.989  | 32.4   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Na-22        | -0.0085 U  | 0.0232 | 0.0073 | 0.037  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Nb-94        | 0.0067 U   | 0.0155 | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Np-236       | -0.0165 U  | 0.0353 | 0.0115 | 0.047  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Np-239       | -0.0338 U  | 0.125  | 0.0387 | 0.139  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Pa-231       | -0.0818 U  | 0.785  | 0.239  | 0.936  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Pb-212       | 1.42       | 0.0391 | 0.0835 | 2.69   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Pb-214       | 0.956      | 0.032  | 0.0458 | 1.7    | 0.00 - 0.50             |
| 8N-00044        | 40084     | Pu-238       | 0.0004 UJ  | 0.034  | 0.0076 | 0.0415 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Pu-239/240   | -0.0024 UJ | 0.0215 | 0.0042 | 0.0404 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Pu-244       | 0.0077     | 0.0215 | 0.0063 | 0.0313 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Sb-125       | -0.005 U   | 0.0486 | 0.0142 | 0.354  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Sn-126       | -0.0027 U  | 0.0167 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00044        | 40084     | Sr-90        | 0.0401 U   | 0.22   | 0.0622 | 0.485  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Th-228       | 1.57       | 0.0908 | 0.148  | 3.98   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Th-229       | 0.0471     | 0.0495 | 0.0204 | 0.145  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Th-230       | 0.819      | 0.0623 | 0.089  | 2.2    | 0.00 - 0.50             |
| 8N-00044        | 40084     | Th-232       | 1.16       | 0.0493 | 0.111  | 3.1    | 0.00 - 0.50             |
| 8N-00044        | 40084     | Th-234       | 1.31 J     | 0.281  | 0.139  | 3.19   | 0.00 - 0.50             |
| 8N-00044        | 40084     | Tl-208       | 0.458      | 0.0192 | 0.0274 | 0.937  | 0.00 - 0.50             |
| 8N-00044        | 40084     | Tm-171       | -0.262 U   | 14.5   | 5.08   | 72.4   | 0.00 - 0.50             |
| 8N-00044        | 40084     | U-233/234    | 0.603      | 0.0315 | 0.0655 | 2.02   | 0.00 - 0.50             |
| 8N-00044        | 40084     | U-235/236    | 0.0394     | 0.0134 | 0.0142 | 0.151  | 0.00 - 0.50             |
| 8N-00044        | 40084     | U-238        | 0.63       | 0.0108 | 0.0673 | 1.8    | 0.00 - 0.50             |
| 8N-00045        | 40085     | Ac-227       | -0.128 UJ  | 0.152  | 0.057  | 0.217  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Am-241       | 0.0006 U   | 0.0125 | 0.0024 | 0.0454 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00045        | 40085     | Bi-212       | 1.06       | 0.155  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00045        | 40085     | Bi-214       | 0.763      | 0.0295 | 0.04   | 1.59   | 0.00 - 0.50             |
| 8N-00045        | 40085     | Cd-113m      | 5.42 U     | 105    | 32     | 3030   | 0.00 - 0.50             |
| 8N-00045        | 40085     | Cm-243/244   | 0.006      | 0.0054 | 0.0035 | 0.0443 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Co-60        | 0.0162 J   | 0.0206 | 0.0067 | 0.028  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Cs-134       | 0.0115 JS  | 0.0176 | 0.0064 | 0.0864 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Cs-137       | 0.0239 J   | 0.0205 | 0.0078 | 0.207  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Eu-152       | -0.0292 U  | 0.0404 | 0.0148 | 0.0566 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Eu-154       | -0.0469 U  | 0.102  | 0.0332 | 0.15   | 0.00 - 0.50             |
| 8N-00045        | 40085     | Eu-155       | 0.0623 JS  | 0.0502 | 0.0232 | 0.231  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Ho-166m      | -0.0067 U  | 0.0252 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00045        | 40085     | K-40         | 17.9       | 0.132  | 0.971  | 32.4   | 0.00 - 0.50             |
| 8N-00045        | 40085     | Na-22        | -0.0054 U  | 0.0225 | 0.0067 | 0.037  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Nb-94        | 0.0126 JS  | 0.0159 | 0.0053 | 0.0214 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Np-236       | -0.0203 UJ | 0.0255 | 0.009  | 0.047  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Np-239       | -0.0431 U  | 0.101  | 0.0327 | 0.139  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Pa-231       | -0.0195 U  | 0.656  | 0.202  | 0.936  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Pb-212       | 1.48       | 0.0316 | 0.0821 | 2.69   | 0.00 - 0.50             |
| 8N-00045        | 40085     | Pb-214       | 0.842      | 0.0286 | 0.0403 | 1.7    | 0.00 - 0.50             |
| 8N-00045        | 40085     | Pu-238       | 0.0048     | 0.0066 | 0.0034 | 0.0415 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Pu-239/240   | 0.0031 U   | 0.0154 | 0.0038 | 0.0404 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Pu-244       | -0.0017 U  | 0.0154 | 0.003  | 0.0313 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Sb-125       | 0.0012 U   | 0.0452 | 0.0133 | 0.354  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Sn-126       | -0.0071 U  | 0.016  | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00045        | 40085     | Sr-90        | 0.0996 U   | 0.221  | 0.0673 | 0.485  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Th-228       | 1.4        | 0.0271 | 0.145  | 3.98   | 0.00 - 0.50             |
| 8N-00045        | 40085     | Th-229       | 0.0242     | 0.0219 | 0.0141 | 0.145  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Th-230       | 0.838      | 0.0218 | 0.0962 | 2.2    | 0.00 - 0.50             |
| 8N-00045        | 40085     | Th-232       | 1.2        | 0.0592 | 0.122  | 3.1    | 0.00 - 0.50             |
| 8N-00045        | 40085     | Th-234       | 1.2        | 0.187  | 0.107  | 3.19   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00045        | 40085     | Tl-208       | 0.524     | 0.0188 | 0.0318 | 0.937  | 0.00 - 0.50             |
| 8N-00045        | 40085     | Tm-171       | -0.657 U  | 6.98   | 2.39   | 72.4   | 0.00 - 0.50             |
| 8N-00045        | 40085     | U-233/234    | 0.553     | 0.0581 | 0.0691 | 2.02   | 0.00 - 0.50             |
| 8N-00045        | 40085     | U-235/236    | 0.0395    | 0.0179 | 0.0164 | 0.151  | 0.00 - 0.50             |
| 8N-00045        | 40085     | U-238        | 0.78      | 0.034  | 0.0863 | 1.8    | 0.00 - 0.50             |
| 8N-00046        | 40086     | Ac-227       | 0.0265 U  | 0.169  | 0.0515 | 0.217  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Am-241       | 0.0127    | 0.0264 | 0.0082 | 0.0454 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Bi-212       | 1.07 J    | 0.176  | 0.124  | 2.15   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Bi-214       | 0.849     | 0.0329 | 0.0433 | 1.59   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Cd-113m      | 26.5 U    | 116    | 35.8   | 3030   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Cm-243/244   | 0.0137    | 0.0139 | 0.006  | 0.0443 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Co-60        | 0.0008 U  | 0.02   | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Cs-134       | 0.0118 SK | 0.0204 | 0.0073 | 0.0864 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Cs-137       | 0.05      | 0.0198 | 0.01   | 0.207  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Eu-152       | -0.0018 U | 0.044  | 0.0155 | 0.0566 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Eu-154       | -0.014 U  | 0.113  | 0.034  | 0.15   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Eu-155       | 0.0575 SJ | 0.0569 | 0.021  | 0.231  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Ho-166m      | -0.0077 U | 0.0274 | 0.0083 | 0.0432 | 0.00 - 0.50             |
| 8N-00046        | 40086     | K-40         | 19.1      | 0.131  | 1.04   | 32.4   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Na-22        | -0.0005 U | 0.0263 | 0.0076 | 0.037  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Nb-94        | -0.0027 U | 0.0155 | 0.0046 | 0.0214 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Np-236       | -0.0051 U | 0.0268 | 0.0079 | 0.047  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Np-239       | 0.0635 J  | 0.109  | 0.0357 | 0.139  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Pa-231       | -0.249 U  | 0.681  | 0.221  | 0.936  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Pb-212       | 1.6       | 0.0354 | 0.0899 | 2.69   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Pb-214       | 0.948     | 0.0304 | 0.0456 | 1.7    | 0.00 - 0.50             |
| 8N-00046        | 40086     | Pu-238       | 0.0266 U  | 0.066  | 0.0198 | 0.0415 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Pu-239/240   | -0.0087 U | 0.0475 | 0.0086 | 0.0404 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Pu-244       | 0         | 0.0163 | 0.006  | 0.0313 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Sb-125       | 0.0123 U  | 0.0524 | 0.0155 | 0.354  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00046        | 40086     | Sn-126       | -0.0063 U  | 0.0166 | 0.0051 | 0.0237 | 0.00 - 0.50             |
| 8N-00046        | 40086     | Sr-90        | 0.0777     | 0.109  | 0.0358 | 0.485  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Th-228       | 1.65 J     | 0.102  | 0.169  | 3.98   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Th-229       | 0.0346     | 0.0234 | 0.0174 | 0.145  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Th-230       | 0.932      | 0.0234 | 0.106  | 2.2    | 0.00 - 0.50             |
| 8N-00046        | 40086     | Th-232       | 1.21       | 0.0634 | 0.127  | 3.1    | 0.00 - 0.50             |
| 8N-00046        | 40086     | Th-234       | 0.975 J    | 0.204  | 0.113  | 3.19   | 0.00 - 0.50             |
| 8N-00046        | 40086     | Tl-208       | 0.513      | 0.0203 | 0.0325 | 0.937  | 0.00 - 0.50             |
| 8N-00046        | 40086     | Tm-171       | 0.852 U    | 7.71   | 2.62   | 72.4   | 0.00 - 0.50             |
| 8N-00046        | 40086     | U-233/234    | 0.634      | 0.0545 | 0.0738 | 2.02   | 0.00 - 0.50             |
| 8N-00046        | 40086     | U-235/236    | 0.0574     | 0.0394 | 0.0205 | 0.151  | 0.00 - 0.50             |
| 8N-00046        | 40086     | U-238        | 0.702      | 0.0319 | 0.0784 | 1.8    | 0.00 - 0.50             |
| 8N-00047        | 40087     | Ac-227       | -0.0753 U  | 0.192  | 0.0624 | 0.217  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Am-241       | 0.0042 U   | 0.0263 | 0.0069 | 0.0454 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Bi-212       | 1.02 J     | 0.301  | 0.257  | 2.15   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Bi-214       | 0.992      | 0.0353 | 0.0489 | 1.59   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Cd-113m      | -14.2 U    | 129    | 40.1   | 3030   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Cm-243/244   | 0.0043 U   | 0.027  | 0.0071 | 0.0443 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Co-60        | 0.0148 J   | 0.026  | 0.0078 | 0.028  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Cs-134       | -0.0164 U  | 0.0208 | 0.0086 | 0.0864 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Cs-137       | 0.0252     | 0.021  | 0.0078 | 0.207  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Eu-152       | -0.017 U   | 0.0519 | 0.0158 | 0.0566 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Eu-154       | -0.152 UJ  | 0.111  | 0.0514 | 0.15   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Eu-155       | 0.0708 JS  | 0.0595 | 0.0236 | 0.231  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Ho-166m      | -0.0043 U  | 0.0319 | 0.0093 | 0.0432 | 0.00 - 0.50             |
| 8N-00047        | 40087     | K-40         | 19.2       | 0.169  | 1.06   | 32.4   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Na-22        | -0.0263 UJ | 0.029  | 0.0109 | 0.037  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Nb-94        | -0.0015 U  | 0.0187 | 0.0054 | 0.0214 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Np-236       | -0.0107 U  | 0.0303 | 0.0094 | 0.047  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Np-239       | 0.0399 U   | 0.125  | 0.0389 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00047        | 40087     | Pa-231       | -0.44 U   | 0.792  | 0.272  | 0.936  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Pb-212       | 1.58      | 0.0381 | 0.0896 | 2.69   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Pb-214       | 1.03      | 0.0359 | 0.0497 | 1.7    | 0.00 - 0.50             |
| 8N-00047        | 40087     | Pu-236       | 0.0112    | 0.0264 | 0.0081 | 0.0448 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Pu-238       | 0.0082 U  | 0.0329 | 0.0091 | 0.0415 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Pu-239/240   | 0.0014 U  | 0.0197 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Pu-244       | 0.0025    | 0.0068 | 0.0025 | 0.0313 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Sb-125       | 0.011 U   | 0.0571 | 0.0168 | 0.354  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Sn-126       | 0.0064 U  | 0.0216 | 0.0062 | 0.0237 | 0.00 - 0.50             |
| 8N-00047        | 40087     | Sr-90        | -0.069 U  | 0.16   | 0.0366 | 0.485  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Th-228       | 1.38      | 0.172  | 0.138  | 3.98   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Th-229       | 0.0123 U  | 0.0807 | 0.0213 | 0.145  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Th-230       | 0.823     | 0.0661 | 0.0869 | 2.2    | 0.00 - 0.50             |
| 8N-00047        | 40087     | Th-232       | 1.15      | 0.0451 | 0.108  | 3.1    | 0.00 - 0.50             |
| 8N-00047        | 40087     | Th-234       | 1.43      | 0.211  | 0.123  | 3.19   | 0.00 - 0.50             |
| 8N-00047        | 40087     | Tl-208       | 0.495     | 0.0242 | 0.0307 | 0.937  | 0.00 - 0.50             |
| 8N-00047        | 40087     | Tm-171       | -2.89 U   | 8.24   | 2.74   | 72.4   | 0.00 - 0.50             |
| 8N-00047        | 40087     | U-233/234    | 0.614     | 0.035  | 0.0738 | 2.02   | 0.00 - 0.50             |
| 8N-00047        | 40087     | U-235/236    | 0.0563    | 0.0433 | 0.0214 | 0.151  | 0.00 - 0.50             |
| 8N-00047        | 40087     | U-238        | 0.771     | 0.035  | 0.0865 | 1.8    | 0.00 - 0.50             |
| 8N-00048        | 40088     | Ac-227       | -0.0412 U | 0.174  | 0.0522 | 0.217  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Am-241       | 0.0098    | 0.0146 | 0.0054 | 0.0454 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Bi-212       | 1.08      | 0.145  | 0.0926 | 2.15   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Bi-214       | 1.09      | 0.028  | 0.051  | 1.59   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Cd-113m      | 37.6 U    | 121    | 36.3   | 3030   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Cm-243/244   | 0.0024    | 0.0064 | 0.0024 | 0.0443 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Co-60        | -0.0053 U | 0.0167 | 0.0051 | 0.028  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Cs-134       | 0.0021 U  | 0.0161 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Cs-137       | 0.0309    | 0.0167 | 0.0062 | 0.207  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Eu-152       | 0.0086 U  | 0.044  | 0.0135 | 0.0566 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00048        | 40088     | Eu-154       | -0.0385 U | 0.0955 | 0.0304 | 0.15   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Eu-155       | 0.0807 JS | 0.0672 | 0.0276 | 0.231  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Ho-166m      | -0.0116 U | 0.0242 | 0.0077 | 0.0432 | 0.00 - 0.50             |
| 8N-00048        | 40088     | K-40         | 20.5      | 0.132  | 1.16   | 32.4   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Na-22        | 0.0067 U  | 0.0226 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Nb-94        | 0.0047 U  | 0.0147 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Np-236       | -0.008 U  | 0.0333 | 0.0116 | 0.047  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Np-239       | 0.0197 U  | 0.12   | 0.0351 | 0.139  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Pa-231       | 0.22 U    | 0.736  | 0.236  | 0.936  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Pb-212       | 1.78      | 0.0399 | 0.107  | 2.69   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Pb-214       | 1.2       | 0.0298 | 0.0575 | 1.7    | 0.00 - 0.50             |
| 8N-00048        | 40088     | Pu-238       | 0.0021    | 0.0058 | 0.0022 | 0.0415 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Pu-239/240   | 0.0085    | 0.0058 | 0.0043 | 0.0404 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Pu-244       | 0.0027 U  | 0.0136 | 0.0034 | 0.0313 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Sb-125       | 0.0297 JS | 0.047  | 0.0153 | 0.354  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Sn-126       | -0.0008 U | 0.016  | 0.0047 | 0.0237 | 0.00 - 0.50             |
| 8N-00048        | 40088     | Sr-90        | -0.0314 U | 0.16   | 0.0382 | 0.485  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Th-228       | 1.4       | 0.131  | 0.144  | 3.98   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Th-229       | 0.0074    | 0.02   | 0.0074 | 0.145  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Th-230       | 0.98      | 0.02   | 0.103  | 2.2    | 0.00 - 0.50             |
| 8N-00048        | 40088     | Th-232       | 1.09      | 0.0682 | 0.112  | 3.1    | 0.00 - 0.50             |
| 8N-00048        | 40088     | Th-234       | 1.43      | 0.246  | 0.14   | 3.19   | 0.00 - 0.50             |
| 8N-00048        | 40088     | Tl-208       | 0.538     | 0.0185 | 0.0314 | 0.937  | 0.00 - 0.50             |
| 8N-00048        | 40088     | Tm-171       | 2.56 U    | 12.1   | 4.08   | 72.4   | 0.00 - 0.50             |
| 8N-00048        | 40088     | U-233/234    | 0.816     | 0.0479 | 0.0894 | 2.02   | 0.00 - 0.50             |
| 8N-00048        | 40088     | U-235/236    | 0.0251    | 0.0592 | 0.0181 | 0.151  | 0.00 - 0.50             |
| 8N-00048        | 40088     | U-238        | 0.856     | 0.0479 | 0.0926 | 1.8    | 0.00 - 0.50             |
| 8N-00049        | 40089     | Ac-227       | -0.0074 U | 0.206  | 0.0615 | 0.217  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Am-241       | 0.0064    | 0.0125 | 0.0042 | 0.0454 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Bi-212       | 1.03      | 0.161  | 0.0902 | 2.15   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00049        | 40089     | Bi-214       | 0.839     | 0.0285 | 0.0411 | 1.59   | 0.00 - 0.50             |
| 8N-00049        | 40089     | Cd-113m      | -74.2 U   | 138    | 47.9   | 3030   | 0.00 - 0.50             |
| 8N-00049        | 40089     | Cm-243/244   | 0.0028 U  | 0.0218 | 0.0055 | 0.0443 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Co-60        | -0.0065 U | 0.0174 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Cs-134       | 0.0063 U  | 0.0171 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Cs-137       | 0.0059 U  | 0.0185 | 0.0055 | 0.207  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Eu-152       | 0.002 U   | 0.0493 | 0.0182 | 0.0566 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Eu-154       | 0.0094 U  | 0.103  | 0.0305 | 0.15   | 0.00 - 0.50             |
| 8N-00049        | 40089     | Eu-155       | 0.0997 JS | 0.0785 | 0.028  | 0.231  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Ho-166m      | 0.0032 U  | 0.026  | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00049        | 40089     | K-40         | 18.8      | 0.121  | 1.24   | 32.4   | 0.00 - 0.50             |
| 8N-00049        | 40089     | Na-22        | 0 U       | 0.0235 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Nb-94        | 0.0035 U  | 0.0149 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Np-236       | 0.0114 U  | 0.0403 | 0.0137 | 0.047  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Np-239       | -0.0344 U | 0.137  | 0.0419 | 0.139  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Pa-231       | 0.0068 U  | 0.841  | 0.291  | 0.936  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Pb-212       | 1.8       | 0.0419 | 0.119  | 2.69   | 0.00 - 0.50             |
| 8N-00049        | 40089     | Pb-214       | 0.941     | 0.0343 | 0.0481 | 1.7    | 0.00 - 0.50             |
| 8N-00049        | 40089     | Pu-238       | 0.0024    | 0.0064 | 0.0024 | 0.0415 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Pu-239/240   | 0         | 0.0063 | 0.0023 | 0.0404 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Pu-244       | 0.0047    | 0.0063 | 0.0033 | 0.0313 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Sb-125       | -0.0017 U | 0.0498 | 0.0151 | 0.354  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Sn-126       | 0.0013 U  | 0.0165 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00049        | 40089     | Sr-90        | 0.0959    | 0.1    | 0.0359 | 0.485  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Th-228       | 1.31      | 0.129  | 0.132  | 3.98   | 0.00 - 0.50             |
| 8N-00049        | 40089     | Th-229       | -0.0065 U | 0.0785 | 0.0173 | 0.145  | 0.00 - 0.50             |
| 8N-00049        | 40089     | Th-230       | 0.828     | 0.0702 | 0.0895 | 2.2    | 0.00 - 0.50             |
| 8N-00049        | 40089     | Th-232       | 1.07      | 0.0479 | 0.105  | 3.1    | 0.00 - 0.50             |
| 8N-00049        | 40089     | Th-234       | 1.42 J    | 0.393  | 0.37   | 3.19   | 0.00 - 0.50             |
| 8N-00049        | 40089     | Tl-208       | 0.531     | 0.0189 | 0.0307 | 0.937  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00049        | 40089     | Tm-171       | -6.36 U    | 19.6   | 6.23   | 72.4   | 0.00 - 0.50             |
| 8N-00049        | 40089     | U-233/234    | 0.549      | 0.0441 | 0.0747 | 2.02   | 0.00 - 0.50             |
| 8N-00049        | 40089     | U-235/236    | 0.0048 UJ  | 0.0675 | 0.0149 | 0.151  | 0.00 - 0.50             |
| 8N-00049        | 40089     | U-238        | 0.609      | 0.0188 | 0.0796 | 1.8    | 0.00 - 0.50             |
| 8N-00049        | 40090     | Ac-227       | -0.0788 U  | 0.217  | 0.0703 | 0.217  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Am-241       | -0.0048 U  | 0.0267 | 0.0058 | 0.0454 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Bi-212       | 1.15       | 0.173  | 0.115  | 2.15   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Bi-214       | 0.928      | 0.0329 | 0.045  | 1.59   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Cd-113m      | -110 UJ    | 144    | 52.8   | 3030   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Cm-243/244   | 0.0165     | 0.0127 | 0.0062 | 0.0443 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Co-60        | -0.0096 U  | 0.0195 | 0.0064 | 0.028  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Cs-134       | 0.0027 U   | 0.0198 | 0.0066 | 0.0864 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Cs-137       | 0.006 U    | 0.0184 | 0.0062 | 0.207  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Eu-152       | -0.0149 U  | 0.0526 | 0.0185 | 0.0566 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Eu-154       | -0.0316 U  | 0.107  | 0.0335 | 0.15   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Eu-155       | 0.124 JS   | 0.0835 | 0.0336 | 0.231  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Ho-166m      | 0.0058 U   | 0.0289 | 0.0085 | 0.0432 | 1.00 - 5.00             |
| 8N-00049        | 40090     | K-40         | 19.3       | 0.126  | 1.2    | 32.4   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Na-22        | -0.0038 U  | 0.0258 | 0.009  | 0.037  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Nb-94        | 0.0103 J   | 0.0172 | 0.0055 | 0.0214 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Np-236       | -0.0016 U  | 0.043  | 0.0138 | 0.047  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Np-239       | -0.0181 UJ | 0.145  | 0.0448 | 0.139  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Pa-231       | 0.0525 U   | 0.894  | 0.287  | 0.936  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Pb-212       | 1.9        | 0.046  | 0.126  | 2.69   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Pb-214       | 1          | 0.0366 | 0.0521 | 1.7    | 1.00 - 5.00             |
| 8N-00049        | 40090     | Pu-238       | 0.0118     | 0.0175 | 0.0065 | 0.0415 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Pu-239/240   | -0.0012 U  | 0.0216 | 0.0039 | 0.0404 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Pu-244       | 0          | 0.0074 | 0.0027 | 0.0313 | 1.00 - 5.00             |
| 8N-00049        | 40090     | Sb-125       | 0.0091 U   | 0.0562 | 0.0168 | 0.354  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Sn-126       | 0.0018 U   | 0.0186 | 0.0054 | 0.0237 | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00049        | 40090     | Sr-90        | 0.1 U      | 0.184  | 0.0575 | 0.485  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Th-228       | 1.69       | 0.158  | 0.15   | 3.98   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Th-229       | 0.0383     | 0.0657 | 0.0213 | 0.145  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Th-230       | 0.802      | 0.0507 | 0.0811 | 2.2    | 1.00 - 5.00             |
| 8N-00049        | 40090     | Th-232       | 1.32       | 0.0505 | 0.114  | 3.1    | 1.00 - 5.00             |
| 8N-00049        | 40090     | Th-234       | 1.44 J     | 0.434  | 0.375  | 3.19   | 1.00 - 5.00             |
| 8N-00049        | 40090     | Tl-208       | 0.584      | 0.0213 | 0.0333 | 0.937  | 1.00 - 5.00             |
| 8N-00049        | 40090     | Tm-171       | -16.9 U    | 25.9   | 8.68   | 72.4   | 1.00 - 5.00             |
| 8N-00049        | 40090     | U-233/234    | 0.76       | 0.0502 | 0.0903 | 2.02   | 1.00 - 5.00             |
| 8N-00049        | 40090     | U-235/236    | 0.0079     | 0.0213 | 0.0079 | 0.151  | 1.00 - 5.00             |
| 8N-00049        | 40090     | U-238        | 0.763      | 0.0172 | 0.09   | 1.8    | 1.00 - 5.00             |
| 8N-00050        | 40091     | Ac-227       | -0.0455 U  | 0.158  | 0.0479 | 0.217  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Am-241       | 0.0022 U   | 0.0236 | 0.0056 | 0.0454 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Bi-212       | 1.01       | 0.131  | 0.0847 | 2.15   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Bi-214       | 0.746      | 0.0262 | 0.0362 | 1.59   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Cd-113m      | -64.9 U    | 107    | 36.6   | 3030   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Cm-243/244   | 0.0102     | 0.0241 | 0.0074 | 0.0443 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Co-60        | 0.0011 U   | 0.0163 | 0.0046 | 0.028  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Cs-134       | 0.0035 U   | 0.0152 | 0.0053 | 0.0864 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Cs-137       | 0.0379     | 0.0151 | 0.0082 | 0.207  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Eu-152       | -0.0056 U  | 0.0398 | 0.0129 | 0.0566 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Eu-154       | -0.0455 U  | 0.0879 | 0.029  | 0.15   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Eu-155       | 0.0717 JS  | 0.0581 | 0.0247 | 0.231  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Ho-166m      | -0.0154 UJ | 0.0218 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00050        | 40091     | K-40         | 20.6       | 0.113  | 1.16   | 32.4   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Na-22        | -0.0048 U  | 0.0209 | 0.0065 | 0.037  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Nb-94        | -0.0009 U  | 0.0132 | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Np-236       | 0.0048 U   | 0.03   | 0.0092 | 0.047  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Np-239       | 0.0062 U   | 0.11   | 0.032  | 0.139  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Pa-231       | -0.104 U   | 0.663  | 0.204  | 0.936  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00050        | 40091     | Pb-212       | 1.57       | 0.0336 | 0.0948 | 2.69   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Pb-214       | 0.848      | 0.0277 | 0.0424 | 1.7    | 0.00 - 0.50             |
| 8N-00050        | 40091     | Pu-238       | 0.0012 U   | 0.0167 | 0.0037 | 0.0415 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Pu-239/240   | 0.0021     | 0.0057 | 0.0021 | 0.0404 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Pu-244       | 0.0021     | 0.0057 | 0.0021 | 0.0313 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Sb-125       | 0.0118 U   | 0.0423 | 0.0127 | 0.354  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Sn-126       | -0.0055 U  | 0.0141 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00050        | 40091     | Sr-90        | 0.0614 U   | 0.244  | 0.0713 | 0.485  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Th-228       | 1.52 J     | 0.154  | 0.163  | 3.98   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Th-229       | 0.0968     | 0.0238 | 0.0298 | 0.145  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Th-230       | 0.834      | 0.0238 | 0.0998 | 2.2    | 0.00 - 0.50             |
| 8N-00050        | 40091     | Th-232       | 1.22       | 0.0644 | 0.128  | 3.1    | 0.00 - 0.50             |
| 8N-00050        | 40091     | Th-234       | 1.41       | 0.224  | 0.134  | 3.19   | 0.00 - 0.50             |
| 8N-00050        | 40091     | Tl-208       | 0.495      | 0.017  | 0.0284 | 0.937  | 0.00 - 0.50             |
| 8N-00050        | 40091     | Tm-171       | 0.187 U    | 11.1   | 3.7    | 72.4   | 0.00 - 0.50             |
| 8N-00050        | 40091     | U-233/234    | 0.692      | 0.0462 | 0.0886 | 2.02   | 0.00 - 0.50             |
| 8N-00050        | 40091     | U-235/236    | 0.0538     | 0.0243 | 0.0223 | 0.151  | 0.00 - 0.50             |
| 8N-00050        | 40091     | U-238        | 0.916      | 0.0462 | 0.108  | 1.8    | 0.00 - 0.50             |
| 8N-00050        | 40092     | Ac-227       | -0.0255 U  | 0.191  | 0.0567 | 0.217  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Am-241       | 0.0067 U   | 0.0302 | 0.0081 | 0.0454 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Bi-212       | 1.21       | 0.163  | 0.108  | 2.15   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Bi-214       | 1.03       | 0.0328 | 0.0499 | 1.59   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Cd-113m      | -3.65 U    | 126    | 42.2   | 3030   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Cm-243/244   | -0.0045 U  | 0.0309 | 0.0061 | 0.0443 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Co-60        | -0.0059 U  | 0.0193 | 0.0059 | 0.028  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Cs-134       | 0.0064 UJ  | 0.0191 | 0.0064 | 0.0864 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Cs-137       | -0.0031 U  | 0.0189 | 0.0056 | 0.207  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Eu-152       | -0.0363 UJ | 0.0475 | 0.0175 | 0.0566 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Eu-154       | 0.0099 U   | 0.108  | 0.0356 | 0.15   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Eu-155       | 0.0877 JS  | 0.0733 | 0.0299 | 0.231  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00050        | 40092     | Ho-166m      | -0.0104 U | 0.0287 | 0.009  | 0.0432 | 1.00 - 5.00             |
| 8N-00050        | 40092     | K-40         | 19.4      | 0.135  | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Na-22        | 0.0142 J  | 0.0254 | 0.0088 | 0.037  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Nb-94        | 0.0033 U  | 0.0168 | 0.0049 | 0.0214 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Np-236       | -0.0086 U | 0.0354 | 0.011  | 0.047  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Np-239       | -0.0521 U | 0.125  | 0.0391 | 0.139  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Pa-231       | 0.367 U   | 0.804  | 0.249  | 0.936  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Pb-212       | 1.77      | 0.0377 | 0.102  | 2.69   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Pb-214       | 1.06      | 0.034  | 0.0515 | 1.7    | 1.00 - 5.00             |
| 8N-00050        | 40092     | Pu-238       | 0.0031 U  | 0.0156 | 0.0039 | 0.0415 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Pu-239/240   | 0.0073    | 0.0066 | 0.0042 | 0.0404 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Pu-244       | 0.0049    | 0.0066 | 0.0035 | 0.0313 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Sb-125       | -0.0189 U | 0.0498 | 0.016  | 0.354  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Sn-126       | 0.0018 U  | 0.0181 | 0.0053 | 0.0237 | 1.00 - 5.00             |
| 8N-00050        | 40092     | Sr-90        | 1.01      | 0.143  | 0.128  | 0.485  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Th-228       | 1.7       | 0.091  | 0.157  | 3.98   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Th-229       | 0 U       | 0.0902 | 0.0218 | 0.145  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Th-230       | 0.954     | 0.0505 | 0.0986 | 2.2    | 1.00 - 5.00             |
| 8N-00050        | 40092     | Th-232       | 1.36      | 0.0636 | 0.126  | 3.1    | 1.00 - 5.00             |
| 8N-00050        | 40092     | Th-234       | 1.89      | 0.273  | 0.171  | 3.19   | 1.00 - 5.00             |
| 8N-00050        | 40092     | Tl-208       | 0.572     | 0.0218 | 0.0326 | 0.937  | 1.00 - 5.00             |
| 8N-00050        | 40092     | Tm-171       | -1.43 U   | 13.7   | 4.57   | 72.4   | 1.00 - 5.00             |
| 8N-00050        | 40092     | U-233/234    | 0.828     | 0.045  | 0.0925 | 2.02   | 1.00 - 5.00             |
| 8N-00050        | 40092     | U-235/236    | 0.0564    | 0.0191 | 0.0204 | 0.151  | 1.00 - 5.00             |
| 8N-00050        | 40092     | U-238        | 0.89      | 0.0155 | 0.097  | 1.8    | 1.00 - 5.00             |
| 8N-00050        | 40259     | Ac-227       | -0.0901 U | 0.166  | 0.0562 | 0.217  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Am-241       | 0.0101    | 0.0237 | 0.0072 | 0.0454 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Bi-212       | 0.89 J    | 0.166  | 0.106  | 2.15   | 0.00 - 0.50             |
| 8N-00050        | 40259     | Bi-214       | 0.781     | 0.0311 | 0.0401 | 1.59   | 0.00 - 0.50             |
| 8N-00050        | 40259     | Cd-113m      | -36.4 U   | 111    | 35.5   | 3030   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00050        | 40259     | Cm-243/244   | 0.013      | 0.0242 | 0.0079 | 0.0443 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Co-60        | 0.0028 U   | 0.0211 | 0.006  | 0.028  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Cs-134       | 0.001 U    | 0.0176 | 0.0061 | 0.0864 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Cs-137       | 0.0282 J   | 0.0227 | 0.009  | 0.207  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Eu-152       | -0.0179 U  | 0.0428 | 0.0138 | 0.0566 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Eu-154       | 0.0024 U   | 0.112  | 0.0331 | 0.15   | 0.00 - 0.50             |
| 8N-00050        | 40259     | Eu-155       | 0.109 JS   | 0.0523 | 0.024  | 0.231  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Ho-166m      | -0.006 U   | 0.0266 | 0.0079 | 0.0432 | 0.00 - 0.50             |
| 8N-00050        | 40259     | K-40         | 18.8       | 0.108  | 1.02   | 32.4   | 0.00 - 0.50             |
| 8N-00050        | 40259     | Na-22        | -0.0026 U  | 0.0249 | 0.0073 | 0.037  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Nb-94        | 0.0044 U   | 0.0164 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Np-236       | -0.0211 UJ | 0.0266 | 0.0094 | 0.047  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Np-239       | 0.0245 U   | 0.109  | 0.0332 | 0.139  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Pa-231       | -0.218 U   | 0.677  | 0.217  | 0.936  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Pb-212       | 1.52       | 0.033  | 0.0842 | 2.69   | 0.00 - 0.50             |
| 8N-00050        | 40259     | Pb-214       | 0.877      | 0.0299 | 0.0421 | 1.7    | 0.00 - 0.50             |
| 8N-00050        | 40259     | Pu-238       | 0.0051     | 0.0069 | 0.0036 | 0.0415 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Pu-239/240   | 0.0014 U   | 0.0198 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Pu-244       | 0.005      | 0.0068 | 0.0036 | 0.0313 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Sb-125       | 0.0084 U   | 0.0473 | 0.0139 | 0.354  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Sn-126       | -0.0003 U  | 0.0174 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00050        | 40259     | Sr-90        | 0.178      | 0.282  | 0.0899 | 0.485  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Th-228       | 1.39 J     | 0.12   | 0.153  | 3.98   | 0.00 - 0.50             |
| 8N-00050        | 40259     | Th-229       | 0.0361     | 0.0664 | 0.0222 | 0.145  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Th-230       | 0.756      | 0.108  | 0.098  | 2.2    | 0.00 - 0.50             |
| 8N-00050        | 40259     | Th-232       | 0.969      | 0.0243 | 0.111  | 3.1    | 0.00 - 0.50             |
| 8N-00050        | 40259     | Th-234       | 1.37       | 0.2    | 0.123  | 3.19   | 0.00 - 0.50             |
| 8N-00050        | 40259     | Tl-208       | 0.487      | 0.02   | 0.03   | 0.937  | 0.00 - 0.50             |
| 8N-00050        | 40259     | Tm-171       | 4.22 J     | 7.01   | 2.73   | 72.4   | 0.00 - 0.50             |
| 8N-00050        | 40259     | U-233/234    | 0.584      | 0.0446 | 0.0724 | 2.02   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00050        | 40259     | U-235/236    | 0.0159     | 0.0445 | 0.0132 | 0.151  | 0.00 - 0.50             |
| 8N-00050        | 40259     | U-238        | 0.758      | 0.0567 | 0.0871 | 1.8    | 0.00 - 0.50             |
| 8N-00051        | 40095     | Ac-227       | -0.0305 U  | 0.185  | 0.0543 | 0.217  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Am-241       | 0.0081     | 0.0121 | 0.0045 | 0.0454 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Bi-212       | 0.999      | 0.155  | 0.0913 | 2.15   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Bi-214       | 0.956      | 0.0278 | 0.0456 | 1.59   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Cd-113m      | -71.9 U    | 123    | 40.2   | 3030   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Cm-243/244   | 0.003 U    | 0.0153 | 0.0039 | 0.0443 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Co-60        | 0.0027 U   | 0.0193 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Cs-134       | -0.0041 U  | 0.0165 | 0.0059 | 0.0864 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Cs-137       | 0.0342     | 0.0153 | 0.0064 | 0.207  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Eu-152       | -0.0325 UJ | 0.0448 | 0.016  | 0.0566 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Eu-154       | -0.0395 U  | 0.0957 | 0.0303 | 0.15   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Eu-155       | 0.099 JS   | 0.0665 | 0.0313 | 0.231  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Ho-166m      | 0.0081 U   | 0.0259 | 0.0079 | 0.0432 | 0.00 - 0.50             |
| 8N-00051        | 40095     | K-40         | 20.3       | 0.117  | 1.15   | 32.4   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Na-22        | -0.0012 U  | 0.0232 | 0.0069 | 0.037  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Nb-94        | 0.0023 U   | 0.0146 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Ni-59        | -1.57 U    | 4.79   | 1.42   | 5.96   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Ni-63        | 0.779      | 1.27   | 0.393  | 4.92   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Np-236       | 0.0173 JS  | 0.034  | 0.0109 | 0.047  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Np-239       | -0.013 U   | 0.121  | 0.0379 | 0.139  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Pa-231       | 0.052 U    | 0.747  | 0.217  | 0.936  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Pb-212       | 1.71       | 0.0387 | 0.101  | 2.69   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Pb-214       | 1.09       | 0.0314 | 0.0521 | 1.7    | 0.00 - 0.50             |
| 8N-00051        | 40095     | Pm-147       | 1.24 U     | 6.7    | 2      | 17.5   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Pu-238       | 0.0065     | 0.0059 | 0.0038 | 0.0415 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Pu-239/240   | -0.0031 U  | 0.0171 | 0.0031 | 0.0404 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Pu-244       | 0.013      | 0.0059 | 0.0054 | 0.0313 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Sb-125       | -0.0096 U  | 0.0483 | 0.0146 | 0.354  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00051        | 40095     | Sn-126       | 0.0006 U | 0.0165 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00051        | 40095     | Sr-90        | 0.153    | 0.135  | 0.0502 | 0.485  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Tc-99        | -0.299 U | 1.4    | 0.402  | 1.63   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Th-228       | 1.19     | 0.142  | 0.117  | 3.98   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Th-229       | 0.0454   | 0.0543 | 0.0197 | 0.145  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Th-230       | 0.714    | 0.0542 | 0.0735 | 2.2    | 0.00 - 0.50             |
| 8N-00051        | 40095     | Th-232       | 0.938    | 0.0602 | 0.0882 | 3.1    | 0.00 - 0.50             |
| 8N-00051        | 40095     | Th-234       | 1.53 J   | 0.267  | 0.163  | 3.19   | 0.00 - 0.50             |
| 8N-00051        | 40095     | Tl-208       | 0.501    | 0.0195 | 0.0291 | 0.937  | 0.00 - 0.50             |
| 8N-00051        | 40095     | Tm-171       | -3.04 U  | 14.5   | 4.89   | 72.4   | 0.00 - 0.50             |
| 8N-00051        | 40095     | U-233/234    | 0.927    | 0.0586 | 0.119  | 2.02   | 0.00 - 0.50             |
| 8N-00051        | 40095     | U-235/236    | 0.0373   | 0.0724 | 0.0243 | 0.151  | 0.00 - 0.50             |
| 8N-00051        | 40095     | U-238        | 0.701    | 0.0586 | 0.0984 | 1.8    | 0.00 - 0.50             |
| 8N-00051        | 40096     | Ac-227       | 0.0507   | 0.184  | 0.0568 | 0.217  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Am-241       | -0.0029  | 0.0335 | 0.0067 | 0.0454 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Bi-212       | 0.97     | 0.157  | 0.0858 | 2.15   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Bi-214       | 0.897    | 0.0297 | 0.0444 | 1.59   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Cd-113m      | -6.14    | 119    | 36.4   | 3030   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Cm-243/244   | -0.0114  | 0.0541 | 0.0121 | 0.0443 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Co-60        | 0.0011   | 0.0193 | 0.0057 | 0.028  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Cs-134       | 0.0077   | 0.017  | 0.0059 | 0.0864 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Cs-137       | -0.0014  | 0.0161 | 0.0056 | 0.207  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Eu-152       | -0.0028  | 0.0449 | 0.014  | 0.0566 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Eu-154       | -0.0133  | 0.101  | 0.0298 | 0.15   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Eu-155       | 0.0433   | 0.0646 | 0.0227 | 0.231  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Ho-166m      | -0.0108  | 0.0249 | 0.0082 | 0.0432 | 1.00 - 5.00             |
| 8N-00051        | 40096     | K-40         | 17.5     | 0.124  | 1.01   | 32.4   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Na-22        | -0.0026  | 0.0221 | 0.0067 | 0.037  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Nb-94        | 0.003    | 0.0149 | 0.0045 | 0.0214 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Ni-59        | -2.18    | 3.95   | 1.28   | 5.96   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00051        | 40096     | Ni-63        | 0.0536    | 1.64   | 0.488  | 4.92   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Np-236       | -0.0219   | 0.0328 | 0.0111 | 0.047  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Np-239       | -0.0319   | 0.12   | 0.0376 | 0.139  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Pa-231       | -0.195    | 0.717  | 0.228  | 0.936  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Pb-212       | 1.51      | 0.0364 | 0.0905 | 2.69   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Pb-214       | 0.993     | 0.0319 | 0.0482 | 1.7    | 1.00 - 5.00             |
| 8N-00051        | 40096     | Pm-147       | -2.28     | 6.46   | 1.82   | 17.5   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Pu-238       | -0.0035   | 0.0189 | 0.0034 | 0.0415 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Pu-239/240   | 0.0013    | 0.0188 | 0.0042 | 0.0404 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Pu-244       | 0.015     | 0.0152 | 0.0066 | 0.0313 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Sb-125       | 0.0177    | 0.0466 | 0.0139 | 0.354  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Sn-126       | -0.0016   | 0.0159 | 0.0048 | 0.0237 | 1.00 - 5.00             |
| 8N-00051        | 40096     | Sr-90        | 0.129     | 0.18   | 0.0587 | 0.485  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Tc-99        | -0.329    | 1.59   | 0.458  | 1.63   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Th-228       | 1.45      | 0.128  | 0.174  | 3.98   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Th-229       | 0.023     | 0.138  | 0.0364 | 0.145  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Th-230       | 0.597     | 0.107  | 0.0947 | 2.2    | 1.00 - 5.00             |
| 8N-00051        | 40096     | Th-232       | 0.835     | 0.031  | 0.113  | 3.1    | 1.00 - 5.00             |
| 8N-00051        | 40096     | Th-234       | 1.37      | 0.262  | 0.157  | 3.19   | 1.00 - 5.00             |
| 8N-00051        | 40096     | Tl-208       | 0.463     | 0.0188 | 0.0272 | 0.937  | 1.00 - 5.00             |
| 8N-00051        | 40096     | Tm-171       | -6.71     | 14.2   | 5.21   | 72.4   | 1.00 - 5.00             |
| 8N-00051        | 40096     | U-233/234    | 0.766     | 0.0531 | 0.0885 | 2.02   | 1.00 - 5.00             |
| 8N-00051        | 40096     | U-235/236    | 0.0403    | 0.0572 | 0.0208 | 0.151  | 1.00 - 5.00             |
| 8N-00051        | 40096     | U-238        | 0.702     | 0.0463 | 0.083  | 1.8    | 1.00 - 5.00             |
| 8N-00052        | 40097     | Ac-227       | -0.0377 U | 0.153  | 0.0481 | 0.217  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Am-241       | 0.0022    | 0.0059 | 0.0022 | 0.0454 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Bi-212       | 0.97 J    | 0.158  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Bi-214       | 0.641 J   | 0.028  | 0.0353 | 1.59   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Cd-113m      | -15.2 U   | 103    | 31.9   | 3030   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Cm-243/244   | -0.002 U  | 0.0225 | 0.0045 | 0.0443 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00052        | 40097     | Co-60        | 0.0038 U  | 0.0191 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Cs-134       | 0.0056 U  | 0.0171 | 0.0059 | 0.0864 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Cs-137       | 0.0097    | 0.0167 | 0.0079 | 0.207  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Eu-152       | 0.0011 U  | 0.0398 | 0.014  | 0.0566 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Eu-154       | -0.0423 U | 0.0933 | 0.0303 | 0.15   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Eu-155       | 0.0815 JS | 0.0529 | 0.0243 | 0.231  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Ho-166m      | -0.0134 U | 0.024  | 0.0079 | 0.0432 | 0.00 - 0.50             |
| 8N-00052        | 40097     | K-40         | 18        | 0.114  | 0.975  | 32.4   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Na-22        | -0.0129 U | 0.0234 | 0.0077 | 0.037  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Nb-94        | 0.0029 U  | 0.0148 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Ni-59        | 0.843 U   | 4.68   | 1.28   | 5.96   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Ni-63        | 0.646     | 1.32   | 0.405  | 4.92   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Np-236       | -0.0022 U | 0.025  | 0.0073 | 0.047  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Np-239       | 0.0097 U  | 0.0971 | 0.0295 | 0.139  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Pa-231       | -0.0699 U | 0.638  | 0.208  | 0.936  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Pb-212       | 1.4       | 0.0311 | 0.0791 | 2.69   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Pb-214       | 0.761     | 0.0276 | 0.0382 | 1.7    | 0.00 - 0.50             |
| 8N-00052        | 40097     | Pm-147       | 0.346 U   | 6.98   | 2.04   | 17.5   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Pu-238       | 0.0021    | 0.0056 | 0.0021 | 0.0415 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Pu-239/240   | 0.0052 U  | 0.0161 | 0.0046 | 0.0404 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Pu-244       | 0.0041    | 0.0055 | 0.0029 | 0.0313 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Sb-125       | 0.006 U   | 0.045  | 0.0132 | 0.354  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Sn-126       | -0.0046 U | 0.0158 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00052        | 40097     | Sr-90        | 0.0482 U  | 0.262  | 0.0747 | 0.485  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Tc-99        | -0.658 U  | 1.27   | 0.331  | 1.63   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Th-228       | 1.5 J     | 0.107  | 0.155  | 3.98   | 0.00 - 0.50             |
| 8N-00052        | 40097     | Th-229       | 0.0313 U  | 0.0843 | 0.0248 | 0.145  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Th-230       | 0.765     | 0.0212 | 0.0902 | 2.2    | 0.00 - 0.50             |
| 8N-00052        | 40097     | Th-232       | 1.07      | 0.0211 | 0.112  | 3.1    | 0.00 - 0.50             |
| 8N-00052        | 40097     | Th-234       | 0.925 J   | 0.2    | 0.104  | 3.19   | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00052        | 40097     | Tl-208       | 0.469     | 0.0189 | 0.0284 | 0.937  | 0.00 - 0.50             |
| 8N-00052        | 40097     | Tm-171       | -2.29 U   | 6.76   | 2.38   | 72.4   | 0.00 - 0.50             |
| 8N-00052        | 40097     | U-233/234    | 0.847     | 0.0607 | 0.0938 | 2.02   | 0.00 - 0.50             |
| 8N-00052        | 40097     | U-235/236    | 0.0708    | 0.0439 | 0.0239 | 0.151  | 0.00 - 0.50             |
| 8N-00052        | 40097     | U-238        | 0.708     | 0.0151 | 0.0816 | 1.8    | 0.00 - 0.50             |
| 8N-00052        | 40098     | Ac-227       | 0.0339 U  | 0.195  | 0.0566 | 0.217  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Am-241       | 0.0047    | 0.013  | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Bi-212       | 1.13 J    | 0.151  | 0.115  | 2.15   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Bi-214       | 0.882     | 0.0299 | 0.0433 | 1.59   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Cd-113m      | -34.8 U   | 126    | 37.9   | 3030   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Cm-243/244   | 0.0006 U  | 0.0133 | 0.0026 | 0.0443 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Co-60        | 0.0026 U  | 0.0195 | 0.0057 | 0.028  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Cs-134       | 0.0057 U  | 0.0177 | 0.006  | 0.0864 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Cs-137       | -0.0091 U | 0.0172 | 0.0058 | 0.207  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Eu-152       | -0.0248 U | 0.0459 | 0.0154 | 0.0566 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Eu-154       | -0.0121 U | 0.103  | 0.0304 | 0.15   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Eu-155       | 0.0673 JS | 0.0685 | 0.0294 | 0.231  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Ho-166m      | 0.0021 U  | 0.0267 | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8N-00052        | 40098     | K-40         | 18.8      | 0.122  | 1.07   | 32.4   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Na-22        | -0.0039 U | 0.0236 | 0.0071 | 0.037  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Nb-94        | 0.0045 U  | 0.0154 | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Ni-59        | -1.78 U   | 3.36   | 1.08   | 5.96   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Ni-63        | -0.0358 U | 1.09   | 0.322  | 4.92   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Np-236       | 0.0064 U  | 0.0355 | 0.0108 | 0.047  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Np-239       | -0.0176 U | 0.126  | 0.0396 | 0.139  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Pa-231       | 0.104 U   | 0.786  | 0.228  | 0.936  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Pb-212       | 1.65      | 0.0403 | 0.0978 | 2.69   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Pb-214       | 1.03      | 0.0334 | 0.0497 | 1.7    | 1.00 - 5.00             |
| 8N-00052        | 40098     | Pm-147       | 2.02 U    | 6.77   | 2.03   | 17.5   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Pu-238       | 0.0085    | 0.0057 | 0.0043 | 0.0415 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00052        | 40098     | Pu-239/240   | 0.0069    | 0.0134 | 0.0045 | 0.0404 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Pu-244       | 0.0168 J  | 0.0057 | 0.006  | 0.0313 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Sb-125       | 0.0135 U  | 0.0516 | 0.0153 | 0.354  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Sn-126       | 0.0066 U  | 0.0177 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8N-00052        | 40098     | Sr-90        | -0.001 U  | 0.177  | 0.0487 | 0.485  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Tc-99        | -0.458 U  | 1.18   | 0.345  | 1.63   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Th-228       | 1.64 J    | 0.294  | 0.204  | 3.98   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Th-229       | 0.0482 UJ | 0.119  | 0.0358 | 0.145  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Th-230       | 0.891     | 0.0862 | 0.118  | 2.2    | 1.00 - 5.00             |
| 8N-00052        | 40098     | Th-232       | 1.22      | 0.0694 | 0.145  | 3.1    | 1.00 - 5.00             |
| 8N-00052        | 40098     | Th-234       | 1.68 J    | 0.276  | 0.175  | 3.19   | 1.00 - 5.00             |
| 8N-00052        | 40098     | Tl-208       | 0.48      | 0.0209 | 0.029  | 0.937  | 1.00 - 5.00             |
| 8N-00052        | 40098     | Tm-171       | -0.0962 U | 14.6   | 4.84   | 72.4   | 1.00 - 5.00             |
| 8N-00052        | 40098     | U-233/234    | 0.656     | 0.042  | 0.0766 | 2.02   | 1.00 - 5.00             |
| 8N-00052        | 40098     | U-235/236    | 0.0461    | 0.0179 | 0.0178 | 0.151  | 1.00 - 5.00             |
| 8N-00052        | 40098     | U-238        | 0.696     | 0.042  | 0.0799 | 1.8    | 1.00 - 5.00             |
| 8N-00053        | 40099     | Ac-227       | -0.0284 U | 0.211  | 0.0651 | 0.217  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Am-241       | 0.0038 U  | 0.0263 | 0.0068 | 0.0454 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Bi-212       | 1.1       | 0.169  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Bi-214       | 0.902     | 0.0312 | 0.0435 | 1.59   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Cd-113m      | -14 U     | 145    | 46.3   | 3030   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Cm-243/244   | 0.0032 U  | 0.0251 | 0.0064 | 0.0443 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Co-60        | 0.0049 U  | 0.0193 | 0.0056 | 0.028  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Cs-134       | 0.0066 U  | 0.0191 | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Cs-137       | 0.0344    | 0.0175 | 0.0074 | 0.207  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Eu-152       | 0.0077 UJ | 0.0529 | 0.0201 | 0.0566 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Eu-154       | 0.0196 U  | 0.0997 | 0.0332 | 0.15   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Eu-155       | 0.0473 JS | 0.0819 | 0.0266 | 0.231  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Ho-166m      | -0.0041 U | 0.0262 | 0.008  | 0.0432 | 0.00 - 0.50             |
| 8N-00053        | 40099     | K-40         | 20.4      | 0.158  | 1.25   | 32.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00053        | 40099     | Na-22        | -0.0029 U | 0.0245 | 0.0082 | 0.037  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Nb-94        | 0.0037 U  | 0.0156 | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Ni-59        | 1.34 U    | 5.71   | 1.49   | 5.96   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Ni-63        | 0.154 U   | 1.46   | 0.436  | 4.92   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Np-236       | -0.0104 U | 0.0402 | 0.0123 | 0.047  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Np-239       | -0.0279 U | 0.142  | 0.044  | 0.139  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Pa-231       | -0.527 U  | 0.839  | 0.292  | 0.936  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Pb-212       | 1.78      | 0.0444 | 0.109  | 2.69   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Pb-214       | 1.03      | 0.0362 | 0.0505 | 1.7    | 0.00 - 0.50             |
| 8N-00053        | 40099     | Pm-147       | 4.72      | 9.3    | 2.88   | 17.5   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Pu-238       | -0.0029 U | 0.0222 | 0.0039 | 0.0415 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Pu-239/240   | -0.0011 U | 0.0193 | 0.0035 | 0.0404 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Pu-244       | 0         | 0.0066 | 0.0024 | 0.0313 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Sb-125       | 0.0004 U  | 0.0521 | 0.0152 | 0.354  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Sn-126       | -0.0043 U | 0.0172 | 0.0053 | 0.0237 | 0.00 - 0.50             |
| 8N-00053        | 40099     | Sr-90        | 0.124     | 0.193  | 0.0616 | 0.485  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Tc-99        | 0.0958 U  | 1.71   | 0.502  | 1.63   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Th-228       | 1.6       | 0.0928 | 0.15   | 3.98   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Th-229       | 0.0137 U  | 0.0901 | 0.0238 | 0.145  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Th-230       | 0.781     | 0.0637 | 0.0869 | 2.2    | 0.00 - 0.50             |
| 8N-00053        | 40099     | Th-232       | 1.05      | 0.0503 | 0.104  | 3.1    | 0.00 - 0.50             |
| 8N-00053        | 40099     | Th-234       | 1.41 J    | 0.326  | 0.161  | 3.19   | 0.00 - 0.50             |
| 8N-00053        | 40099     | Tl-208       | 0.492     | 0.0214 | 0.0288 | 0.937  | 0.00 - 0.50             |
| 8N-00053        | 40099     | Tm-171       | -1.48 U   | 19.5   | 6.56   | 72.4   | 0.00 - 0.50             |
| 8N-00053        | 40099     | U-233/234    | 0.63      | 0.0545 | 0.0782 | 2.02   | 0.00 - 0.50             |
| 8N-00053        | 40099     | U-235/236    | 0.0595    | 0.0202 | 0.0215 | 0.151  | 0.00 - 0.50             |
| 8N-00053        | 40099     | U-238        | 0.803     | 0.0384 | 0.0918 | 1.8    | 0.00 - 0.50             |
| 8N-00053        | 40100     | Ac-227       | -0.0246 U | 0.214  | 0.0664 | 0.217  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Am-241       | 0.0032 U  | 0.0164 | 0.0042 | 0.0454 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Bi-212       | 0.967 J   | 0.177  | 0.0995 | 2.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00053        | 40100     | Bi-214       | 0.835      | 0.0319 | 0.0419 | 1.59   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Cd-113m      | -0.684 U   | 144    | 44.2   | 3030   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Cm-243/244   | 0.0085     | 0.0057 | 0.0043 | 0.0443 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Co-60        | -0.0024 U  | 0.0209 | 0.0062 | 0.028  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Cs-134       | 0.0037 U   | 0.0193 | 0.0064 | 0.0864 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Cs-137       | -0.0139 UJ | 0.0187 | 0.0066 | 0.207  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Eu-152       | -0.0368 U  | 0.0541 | 0.022  | 0.0566 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Eu-154       | -0.0774 UJ | 0.107  | 0.0384 | 0.15   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Eu-155       | 0.0072 U   | 0.085  | 0.0252 | 0.231  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Ho-166m      | -0.015 U   | 0.0284 | 0.0093 | 0.0432 | 1.00 - 5.00             |
| 8N-00053        | 40100     | K-40         | 16.9       | 0.145  | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Na-22        | 0.0025 U   | 0.0275 | 0.008  | 0.037  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Nb-94        | -0.0003 U  | 0.0173 | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Ni-59        | 0.337 U    | 4.1    | 1.13   | 5.96   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Ni-63        | 0.177 U    | 1.03   | 0.309  | 4.92   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Np-236       | -0.0182 U  | 0.0408 | 0.013  | 0.047  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Np-239       | 0.109 J    | 0.148  | 0.0511 | 0.139  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Pa-231       | 0.302 U    | 0.882  | 0.299  | 0.936  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Pb-212       | 1.53       | 0.0457 | 0.103  | 2.69   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Pb-214       | 0.987      | 0.0377 | 0.0518 | 1.7    | 1.00 - 5.00             |
| 8N-00053        | 40100     | Pm-147       | 0.701 U    | 6.78   | 2      | 17.5   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Pu-238       | 0.0029 U   | 0.0146 | 0.0036 | 0.0415 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Pu-239/240   | 0.0029 U   | 0.0145 | 0.0036 | 0.0404 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Pu-244       | 0.0046     | 0.0062 | 0.0032 | 0.0313 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Sb-125       | -0.0057 U  | 0.0554 | 0.0166 | 0.354  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Sn-126       | -0.0042 U  | 0.0182 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00053        | 40100     | Sr-90        | 0.223      | 0.22   | 0.0753 | 0.485  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Tc-99        | -0.182 U   | 0.985  | 0.291  | 1.63   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Th-228       | 1.64 J     | 0.229  | 0.197  | 3.98   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Th-229       | -0.0333 UJ | 0.136  | 0.026  | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00053        | 40100     | Th-230       | 0.753      | 0.0991 | 0.107  | 2.2    | 1.00 - 5.00             |
| 8N-00053        | 40100     | Th-232       | 1.23       | 0.0695 | 0.144  | 3.1    | 1.00 - 5.00             |
| 8N-00053        | 40100     | Th-234       | 1.22 J     | 0.428  | 0.334  | 3.19   | 1.00 - 5.00             |
| 8N-00053        | 40100     | Tl-208       | 0.454      | 0.0223 | 0.0273 | 0.937  | 1.00 - 5.00             |
| 8N-00053        | 40100     | Tm-171       | -5 U       | 25.1   | 7.44   | 72.4   | 1.00 - 5.00             |
| 8N-00053        | 40100     | U-233/234    | 0.842      | 0.0461 | 0.101  | 2.02   | 1.00 - 5.00             |
| 8N-00053        | 40100     | U-235/236    | 0.0472     | 0.057  | 0.0231 | 0.151  | 1.00 - 5.00             |
| 8N-00053        | 40100     | U-238        | 0.653      | 0.0461 | 0.0853 | 1.8    | 1.00 - 5.00             |
| 8N-00054        | 40101     | Ac-227       | -0.033 U   | 0.229  | 0.0681 | 0.217  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Am-241       | -0.0124 U  | 0.0375 | 0.0075 | 0.0454 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Bi-212       | 0.868 J    | 0.234  | 0.109  | 2.15   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Bi-214       | 0.794      | 0.039  | 0.0434 | 1.59   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Cd-113m      | 1.4 U      | 157    | 45.9   | 3030   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Cm-243/244   | 0.0088 U   | 0.0282 | 0.008  | 0.0443 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Co-60        | -0.0004 U  | 0.0271 | 0.0078 | 0.028  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Cs-134       | 0.0003 U   | 0.0236 | 0.0078 | 0.0864 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Cs-137       | 0.0059 U   | 0.0265 | 0.0077 | 0.207  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Eu-152       | -0.0023 U  | 0.0599 | 0.0193 | 0.0566 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Eu-154       | -0.0776 U  | 0.139  | 0.0474 | 0.15   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Eu-155       | 0.114 JS   | 0.078  | 0.0325 | 0.231  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Ho-166m      | -0.011 U   | 0.0359 | 0.011  | 0.0432 | 0.00 - 0.50             |
| 8N-00054        | 40101     | K-40         | 17.7       | 0.179  | 1.03   | 32.4   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Na-22        | -0.0016 UJ | 0.0351 | 0.0102 | 0.037  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Nb-94        | 0.0039 U   | 0.0212 | 0.0062 | 0.0214 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Ni-59        | -0.417 U   | 2.87   | 0.79   | 5.96   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Ni-63        | -0.104 U   | 1.05   | 0.311  | 4.92   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Np-236       | 0.0015 U   | 0.04   | 0.0122 | 0.047  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Np-239       | -0.0232 U  | 0.15   | 0.0446 | 0.139  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Pa-231       | -0.278 U   | 0.927  | 0.285  | 0.936  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Pb-212       | 1.52       | 0.0467 | 0.0907 | 2.69   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00054        | 40101     | Pb-214       | 0.837    | 0.0425 | 0.0441 | 1.7    | 0.00 - 0.50             |
| 8N-00054        | 40101     | Pm-147       | 5.2      | 7.82   | 2.47   | 17.5   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Pu-238       | 0        | 0.0068 | 0.0025 | 0.0415 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Pu-239/240   | 0.0132   | 0.0159 | 0.0064 | 0.0404 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Pu-244       | 0.005    | 0.0068 | 0.0036 | 0.0313 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Sb-125       | 0.0025 U | 0.0644 | 0.0192 | 0.354  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Sn-126       | 0.0044 U | 0.0232 | 0.0067 | 0.0237 | 0.00 - 0.50             |
| 8N-00054        | 40101     | Sr-90        | -0.013 U | 0.168  | 0.0441 | 0.485  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Tc-99        | -0.609 U | 1.29   | 0.364  | 1.63   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Th-228       | 1.54     | 0.0642 | 0.147  | 3.98   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Th-229       | 0.0415   | 0.0642 | 0.022  | 0.145  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Th-230       | 0.766    | 0.0187 | 0.0854 | 2.2    | 0.00 - 0.50             |
| 8N-00054        | 40101     | Th-232       | 1.21     | 0.0506 | 0.116  | 3.1    | 0.00 - 0.50             |
| 8N-00054        | 40101     | Th-234       | 1.63 J   | 0.3    | 0.178  | 3.19   | 0.00 - 0.50             |
| 8N-00054        | 40101     | Tl-208       | 0.473    | 0.0294 | 0.0322 | 0.937  | 0.00 - 0.50             |
| 8N-00054        | 40101     | Tm-171       | -10.2 U  | 16.1   | 6.02   | 72.4   | 0.00 - 0.50             |
| 8N-00054        | 40101     | U-233/234    | 0.759    | 0.0481 | 0.089  | 2.02   | 0.00 - 0.50             |
| 8N-00054        | 40101     | U-235/236    | 0.0302   | 0.0204 | 0.0153 | 0.151  | 0.00 - 0.50             |
| 8N-00054        | 40101     | U-238        | 0.789    | 0.0389 | 0.0912 | 1.8    | 0.00 - 0.50             |
| 8N-00054        | 40102     | Ac-227       | -0.0326  | 0.158  | 0.0478 | 0.217  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Am-241       | 0.0122   | 0.0174 | 0.0063 | 0.0454 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Bi-212       | 0.858    | 0.125  | 0.0817 | 2.15   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Bi-214       | 0.717    | 0.0237 | 0.0349 | 1.59   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Cd-113m      | -24.2    | 104    | 32.8   | 3030   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Cm-243/244   | 0.0025   | 0.0225 | 0.0055 | 0.0443 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Co-60        | -0.0012  | 0.0148 | 0.0045 | 0.028  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Cs-134       | -0.0036  | 0.0136 | 0.0047 | 0.0864 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Cs-137       | -0.0008  | 0.0141 | 0.0041 | 0.207  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Eu-152       | -0.0227  | 0.0386 | 0.0135 | 0.0566 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Eu-154       | -0.046   | 0.0762 | 0.0259 | 0.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00054        | 40102     | Eu-155       | 0.0415   | 0.0611 | 0.0212 | 0.231  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Ho-166m      | 0.0077   | 0.0221 | 0.0065 | 0.0432 | 1.00 - 5.00             |
| 8N-00054        | 40102     | K-40         | 15.3     | 0.0877 | 0.881  | 32.4   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Na-22        | 0.0022   | 0.0187 | 0.0055 | 0.037  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Nb-94        | 0.0003   | 0.0126 | 0.0036 | 0.0214 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Ni-59        | -5.94    | 4.23   | 2      | 5.96   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Ni-63        | -0.278   | 1.6    | 0.471  | 4.92   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Np-236       | -0.02    | 0.0296 | 0.01   | 0.047  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Np-239       | 0.0217   | 0.106  | 0.0317 | 0.139  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Pa-231       | 0.0542   | 0.654  | 0.194  | 0.936  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Pb-212       | 1.33     | 0.031  | 0.0841 | 2.69   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Pb-214       | 0.761    | 0.0269 | 0.0396 | 1.7    | 1.00 - 5.00             |
| 8N-00054        | 40102     | Pm-147       | -0.599   | 6.13   | 1.77   | 17.5   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Pu-238       | 0.0009   | 0.0205 | 0.004  | 0.0415 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Pu-239/240   | 0.0059   | 0.029  | 0.0076 | 0.0404 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Pu-244       | 0.0256   | 0.0087 | 0.0092 | 0.0313 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Sb-125       | -0.007   | 0.0391 | 0.012  | 0.354  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Sn-126       | -0.0039  | 0.0135 | 0.0041 | 0.0237 | 1.00 - 5.00             |
| 8N-00054        | 40102     | Sr-90        | -0.0704  | 0.216  | 0.056  | 0.485  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Tc-99        | -0.156   | 1.58   | 0.459  | 1.63   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Th-228       | 1.17     | 0.138  | 0.141  | 3.98   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Th-229       | 0        | 0.115  | 0.0271 | 0.145  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Th-230       | 0.545    | 0.0704 | 0.081  | 2.2    | 1.00 - 5.00             |
| 8N-00054        | 40102     | Th-232       | 0.962    | 0.0258 | 0.113  | 3.1    | 1.00 - 5.00             |
| 8N-00054        | 40102     | Th-234       | 1.44     | 0.235  | 0.139  | 3.19   | 1.00 - 5.00             |
| 8N-00054        | 40102     | Tl-208       | 0.392    | 0.0163 | 0.023  | 0.937  | 1.00 - 5.00             |
| 8N-00054        | 40102     | Tm-171       | -5.48    | 11.5   | 4.26   | 72.4   | 1.00 - 5.00             |
| 8N-00054        | 40102     | U-233/234    | 0.676    | 0.0411 | 0.0776 | 2.02   | 1.00 - 5.00             |
| 8N-00054        | 40102     | U-235/236    | 0.0515   | 0.0174 | 0.0186 | 0.151  | 1.00 - 5.00             |
| 8N-00054        | 40102     | U-238        | 0.747    | 0.0411 | 0.0833 | 1.8    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00054        | 40269     | Ac-227       | 0.0339 U  | 0.198  | 0.0608 | 0.217  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Am-241       | 0.0085    | 0.0188 | 0.0059 | 0.0454 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Bi-212       | 0.935     | 0.139  | 0.0929 | 2.15   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Bi-214       | 0.798     | 0.0299 | 0.0386 | 1.59   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Cd-113m      | -107 UJ   | 123    | 46.4   | 3030   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Cm-243/244   | -0.0028 U | 0.022  | 0.0039 | 0.0443 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Co-60        | -0.0019 U | 0.0168 | 0.005  | 0.028  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Cs-134       | -0.0011 U | 0.0163 | 0.0056 | 0.0864 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Cs-137       | 0.0012 U  | 0.0162 | 0.0056 | 0.207  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Eu-152       | -0.0034 U | 0.0465 | 0.0198 | 0.0566 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Eu-154       | -0.0123 U | 0.087  | 0.0297 | 0.15   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Eu-155       | 0.0346 U  | 0.0739 | 0.0233 | 0.231  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Ho-166m      | 0.0011 U  | 0.0246 | 0.0073 | 0.0432 | 1.00 - 5.00             |
| 8N-00054        | 40269     | K-40         | 17.3      | 0.147  | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Na-22        | -0.0042 U | 0.0206 | 0.0062 | 0.037  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Nb-94        | 0.0003 U  | 0.0142 | 0.0042 | 0.0214 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Ni-59        | -0.965 UJ | 4.42   | 1.3    | 5.96   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Ni-63        | -0.251 U  | 1.04   | 0.309  | 4.92   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Np-236       | 0.0006 U  | 0.0371 | 0.0111 | 0.047  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Np-239       | -0.0281 U | 0.129  | 0.0401 | 0.139  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Pa-231       | -0.0405 U | 0.789  | 0.263  | 0.936  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Pb-212       | 1.47      | 0.0389 | 0.091  | 2.69   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Pb-214       | 0.945     | 0.0324 | 0.0467 | 1.7    | 1.00 - 5.00             |
| 8N-00054        | 40269     | Pm-147       | -2.83 U   | 8.1    | 2.33   | 17.5   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Pu-238       | 0.0027    | 0.0073 | 0.0027 | 0.0415 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Pu-239/240   | 0.0008 U  | 0.0171 | 0.0033 | 0.0404 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Pu-244       | 0.008     | 0.0073 | 0.0047 | 0.0313 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Sb-125       | 0.0068 U  | 0.0478 | 0.014  | 0.354  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Sn-126       | -0.0085 U | 0.0155 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8N-00054        | 40269     | Sr-90        | 0.126     | 0.142  | 0.0491 | 0.485  | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00054        | 40269     | Tc-99        | -0.232 U   | 1.15   | 0.333  | 1.63   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Th-228       | 1.45       | 0.103  | 0.148  | 3.98   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Th-229       | 0 U        | 0.0743 | 0.016  | 0.145  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Th-230       | 0.902      | 0.0742 | 0.102  | 2.2    | 1.00 - 5.00             |
| 8N-00054        | 40269     | Th-232       | 1.19       | 0.0216 | 0.121  | 3.1    | 1.00 - 5.00             |
| 8N-00054        | 40269     | Th-234       | 1.33 J     | 0.3    | 0.157  | 3.19   | 1.00 - 5.00             |
| 8N-00054        | 40269     | Tl-208       | 0.463      | 0.0179 | 0.0268 | 0.937  | 1.00 - 5.00             |
| 8N-00054        | 40269     | Tm-171       | -8.81 U    | 16.5   | 6      | 72.4   | 1.00 - 5.00             |
| 8N-00054        | 40269     | U-233/234    | 0.606      | 0.0775 | 0.0761 | 2.02   | 1.00 - 5.00             |
| 8N-00054        | 40269     | U-235/236    | 0.049      | 0.019  | 0.0189 | 0.151  | 1.00 - 5.00             |
| 8N-00054        | 40269     | U-238        | 0.845      | 0.0361 | 0.0934 | 1.8    | 1.00 - 5.00             |
| 8N-00055        | 40103     | Ac-227       | -0.0149 U  | 0.207  | 0.061  | 0.217  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Am-241       | -0.0069 U  | 0.0326 | 0.0067 | 0.0454 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Bi-212       | 1.12       | 0.19   | 0.104  | 2.15   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Bi-214       | 0.998      | 0.0332 | 0.0479 | 1.59   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Cd-113m      | -23.5 U    | 137    | 42.3   | 3030   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Cm-243/244   | 0.0047 U   | 0.0231 | 0.006  | 0.0443 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Co-60        | 0.001 U    | 0.0231 | 0.0067 | 0.028  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Cs-134       | -0.0078 U  | 0.0206 | 0.0073 | 0.0864 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Cs-137       | 0.0317     | 0.0194 | 0.0066 | 0.207  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Eu-152       | -0.0089 U  | 0.0512 | 0.016  | 0.0566 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Eu-154       | -0.0124 U  | 0.121  | 0.035  | 0.15   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Eu-155       | 0.0655 JS  | 0.077  | 0.0275 | 0.231  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Ho-166m      | -0.0062 U  | 0.0297 | 0.009  | 0.0432 | 0.00 - 0.50             |
| 8N-00055        | 40103     | K-40         | 20.4       | 0.149  | 1.12   | 32.4   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Na-22        | -0.0204 UJ | 0.0276 | 0.0098 | 0.037  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Nb-94        | 0.0056 U   | 0.0177 | 0.0053 | 0.0214 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Ni-59        | -2.17 U    | 3.8    | 1.24   | 5.96   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Ni-63        | 0.0396 U   | 0.956  | 0.286  | 4.92   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Np-236       | -0.0171 U  | 0.0365 | 0.0119 | 0.047  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00055        | 40103     | Np-239       | -0.0611 U | 0.129  | 0.0409 | 0.139  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Pa-231       | -0.17 U   | 0.828  | 0.25   | 0.936  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Pb-212       | 1.76      | 0.0419 | 0.102  | 2.69   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Pb-214       | 1.06      | 0.0361 | 0.0522 | 1.7    | 0.00 - 0.50             |
| 8N-00055        | 40103     | Pm-147       | 0.585 U   | 7.56   | 2.23   | 17.5   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Pu-238       | -0.004 U  | 0.027  | 0.0053 | 0.0415 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Pu-239/240   | 0.0039 U  | 0.0195 | 0.005  | 0.0404 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Pu-244       | 0.0123    | 0.0067 | 0.0056 | 0.0313 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Sb-125       | 0.015 U   | 0.0582 | 0.0176 | 0.354  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Sn-126       | 0.0014 U  | 0.0202 | 0.0059 | 0.0237 | 0.00 - 0.50             |
| 8N-00055        | 40103     | Sr-90        | 0.0858    | 0.112  | 0.038  | 0.485  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Tc-99        | -0.44 U   | 1.35   | 0.384  | 1.63   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Th-228       | 1.47      | 0.153  | 0.148  | 3.98   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Th-229       | 0.0535    | 0.072  | 0.0252 | 0.145  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Th-230       | 0.9       | 0.0941 | 0.0973 | 2.2    | 0.00 - 0.50             |
| 8N-00055        | 40103     | Th-232       | 1.2       | 0.049  | 0.115  | 3.1    | 0.00 - 0.50             |
| 8N-00055        | 40103     | Th-234       | 1.51 J    | 0.293  | 0.157  | 3.19   | 0.00 - 0.50             |
| 8N-00055        | 40103     | Tl-208       | 0.523     | 0.0243 | 0.0315 | 0.937  | 0.00 - 0.50             |
| 8N-00055        | 40103     | Tm-171       | -0.736 U  | 14.8   | 4.91   | 72.4   | 0.00 - 0.50             |
| 8N-00055        | 40103     | U-233/234    | 0.732     | 0.0435 | 0.0901 | 2.02   | 0.00 - 0.50             |
| 8N-00055        | 40103     | U-235/236    | 0.0277    | 0.0537 | 0.018  | 0.151  | 0.00 - 0.50             |
| 8N-00055        | 40103     | U-238        | 0.91      | 0.0743 | 0.106  | 1.8    | 0.00 - 0.50             |
| 8N-00055        | 40104     | Ac-227       | -0.0991 U | 0.16   | 0.0555 | 0.217  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Am-241       | 0.0026 U  | 0.0129 | 0.0032 | 0.0454 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Bi-212       | 0.875     | 0.137  | 0.0847 | 2.15   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Bi-214       | 0.813     | 0.0241 | 0.0392 | 1.59   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Cd-113m      | -10.3 U   | 109    | 33.4   | 3030   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Cm-243/244   | 0.0082    | 0.0056 | 0.0041 | 0.0443 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Co-60        | 0.0096 J  | 0.0169 | 0.0052 | 0.028  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Cs-134       | 0.0068 U  | 0.0151 | 0.0052 | 0.0864 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00055        | 40104     | Cs-137       | 0.0088 J  | 0.0154 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Eu-152       | -0.0018 U | 0.0417 | 0.013  | 0.0566 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Eu-154       | -0.0317 U | 0.0903 | 0.0281 | 0.15   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Eu-155       | 0.0466 JS | 0.0626 | 0.0211 | 0.231  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Ho-166m      | -0.0006 U | 0.0242 | 0.0073 | 0.0432 | 1.00 - 5.00             |
| 8N-00055        | 40104     | K-40         | 17.3      | 0.114  | 0.99   | 32.4   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Na-22        | 0.0064 U  | 0.0215 | 0.0064 | 0.037  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Nb-94        | 0.001 U   | 0.0137 | 0.0041 | 0.0214 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Ni-59        | -4.33 UJ  | 3.41   | 1.52   | 5.96   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Ni-63        | -0.495 U  | 1.12   | 0.325  | 4.92   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Np-236       | -0.0101 U | 0.03   | 0.0092 | 0.047  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Np-239       | -0.001 U  | 0.108  | 0.0329 | 0.139  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Pa-231       | 0.262 U   | 0.676  | 0.213  | 0.936  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Pb-212       | 1.5       | 0.0335 | 0.0898 | 2.69   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Pb-214       | 0.874     | 0.0282 | 0.0431 | 1.7    | 1.00 - 5.00             |
| 8N-00055        | 40104     | Pm-147       | -1.44 U   | 7.1    | 2.04   | 17.5   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Pu-238       | 0.0075    | 0.0068 | 0.0044 | 0.0415 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Pu-239/240   | 0.005     | 0.0068 | 0.0035 | 0.0404 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Pu-244       | 0         | 0.0068 | 0.0025 | 0.0313 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Sb-125       | 0.0087 U  | 0.043  | 0.0126 | 0.354  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Sn-126       | -0.0001 U | 0.0145 | 0.0044 | 0.0237 | 1.00 - 5.00             |
| 8N-00055        | 40104     | Sr-90        | 2.71 J    | 0.178  | 0.29   | 0.485  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Tc-99        | -0.543 U  | 1.1    | 0.32   | 1.63   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Th-228       | 1.48 J    | 0.169  | 0.167  | 3.98   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Th-229       | 0.0602    | 0.0611 | 0.0266 | 0.145  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Th-230       | 0.778     | 0.061  | 0.0994 | 2.2    | 1.00 - 5.00             |
| 8N-00055        | 40104     | Th-232       | 1.04      | 0.0608 | 0.119  | 3.1    | 1.00 - 5.00             |
| 8N-00055        | 40104     | Th-234       | 1.06 J    | 0.243  | 0.122  | 3.19   | 1.00 - 5.00             |
| 8N-00055        | 40104     | Tl-208       | 0.442     | 0.0175 | 0.0264 | 0.937  | 1.00 - 5.00             |
| 8N-00055        | 40104     | Tm-171       | -0.82 U   | 13.6   | 4.69   | 72.4   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00055        | 40104     | U-233/234    | 0.753      | 0.0287 | 0.0797 | 2.02   | 1.00 - 5.00             |
| 8N-00055        | 40104     | U-235/236    | 0.0222     | 0.0151 | 0.0112 | 0.151  | 1.00 - 5.00             |
| 8N-00055        | 40104     | U-238        | 0.718      | 0.0355 | 0.0772 | 1.8    | 1.00 - 5.00             |
| 8N-00056        | 40105     | Ac-227       | -0.0308 U  | 0.193  | 0.0599 | 0.217  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Am-241       | 0.0015 UJ  | 0.0749 | 0.0195 | 0.0454 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Bi-212       | 1.13 J     | 0.313  | 0.296  | 2.15   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Bi-214       | 1.02       | 0.0344 | 0.052  | 1.59   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Cd-113m      | -3.3 U     | 126    | 38.5   | 3030   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Cm-243/244   | -0.0052 UJ | 0.0711 | 0.0174 | 0.0443 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Co-60        | -0.0125 U  | 0.0213 | 0.0071 | 0.028  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Cs-134       | -0.0058 U  | 0.0201 | 0.0072 | 0.0864 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Cs-137       | 0.0171 J   | 0.0249 | 0.0079 | 0.207  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Eu-152       | -0.0034 U  | 0.0493 | 0.0163 | 0.0566 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Eu-154       | -0.0324 U  | 0.121  | 0.0374 | 0.15   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Eu-155       | 0.0662 JS  | 0.0635 | 0.0238 | 0.231  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Ho-166m      | 0.0033 U   | 0.0307 | 0.0088 | 0.0432 | 0.00 - 0.50             |
| 8N-00056        | 40105     | K-40         | 21.3       | 0.152  | 1.16   | 32.4   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Na-22        | -0.004 U   | 0.0296 | 0.0087 | 0.037  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Nb-94        | 0.0099 J   | 0.0183 | 0.0056 | 0.0214 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Ni-59        | -2.97 UJ   | 3.4    | 1.29   | 5.96   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Ni-63        | 0.404 U    | 1.34   | 0.406  | 4.92   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Np-236       | -0.0048 U  | 0.0309 | 0.0091 | 0.047  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Np-239       | -0.0054 U  | 0.121  | 0.0368 | 0.139  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Pa-231       | -0.54 U    | 0.772  | 0.289  | 0.936  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Pb-212       | 1.65       | 0.0393 | 0.093  | 2.69   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Pb-214       | 1.14       | 0.0359 | 0.0551 | 1.7    | 0.00 - 0.50             |
| 8N-00056        | 40105     | Pm-147       | 5.28       | 8.68   | 2.72   | 17.5   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Pu-238       | 0.0007 U   | 0.0154 | 0.003  | 0.0415 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Pu-239/240   | -0.0035 U  | 0.0189 | 0.0034 | 0.0404 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Pu-244       | 0.0079     | 0.0153 | 0.0051 | 0.0313 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00056        | 40105     | Sb-125       | -0.0031 U  | 0.0561 | 0.0165 | 0.354  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Sn-126       | 0.0054 U   | 0.0202 | 0.0058 | 0.0237 | 0.00 - 0.50             |
| 8N-00056        | 40105     | Sr-90        | 0.15       | 0.144  | 0.052  | 0.485  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Tc-99        | -0.181 U   | 1.3    | 0.376  | 1.63   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Th-228       | 1.54       | 0.115  | 0.135  | 3.98   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Th-229       | 0.0474     | 0.0691 | 0.0231 | 0.145  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Th-230       | 0.799      | 0.0566 | 0.0795 | 2.2    | 0.00 - 0.50             |
| 8N-00056        | 40105     | Th-232       | 1.01       | 0.0142 | 0.0918 | 3.1    | 0.00 - 0.50             |
| 8N-00056        | 40105     | Th-234       | 1.49 J     | 0.229  | 0.151  | 3.19   | 0.00 - 0.50             |
| 8N-00056        | 40105     | Tl-208       | 0.556      | 0.0233 | 0.035  | 0.937  | 0.00 - 0.50             |
| 8N-00056        | 40105     | Tm-171       | 2.58 U     | 8.65   | 2.97   | 72.4   | 0.00 - 0.50             |
| 8N-00056        | 40105     | U-233/234    | 0.706      | 0.0534 | 0.0838 | 2.02   | 0.00 - 0.50             |
| 8N-00056        | 40105     | U-235/236    | 0.0511     | 0.0198 | 0.0197 | 0.151  | 0.00 - 0.50             |
| 8N-00056        | 40105     | U-238        | 0.811      | 0.0376 | 0.0918 | 1.8    | 0.00 - 0.50             |
| 8N-00056        | 40106     | Ac-227       | -0.0918 U  | 0.175  | 0.056  | 0.217  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Am-241       | 0.013      | 0.0059 | 0.0053 | 0.0454 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Bi-212       | 1.07       | 0.138  | 0.0931 | 2.15   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Bi-214       | 0.978      | 0.0268 | 0.0463 | 1.59   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Cd-113m      | 19 U       | 119    | 35.8   | 3030   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Cm-243/244   | 0.0057 U   | 0.0174 | 0.005  | 0.0443 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Co-60        | -0.0021 U  | 0.0167 | 0.005  | 0.028  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Cs-134       | 0.0048 U   | 0.0166 | 0.0057 | 0.0864 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Cs-137       | 0.0051 U   | 0.0177 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Eu-152       | -0.0145 UJ | 0.0435 | 0.0134 | 0.0566 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Eu-154       | -0.0115 U  | 0.0908 | 0.0268 | 0.15   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Eu-155       | 0.0652 JS  | 0.0671 | 0.0251 | 0.231  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Ho-166m      | 0.0073 U   | 0.0247 | 0.0075 | 0.0432 | 1.00 - 5.00             |
| 8N-00056        | 40106     | K-40         | 19.2       | 0.113  | 1.09   | 32.4   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Na-22        | 0.004 U    | 0.0238 | 0.0077 | 0.037  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Nb-94        | 0.0019 U   | 0.0137 | 0.0041 | 0.0214 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00056        | 40106     | Ni-59        | -1.4 U    | 3.42   | 1.04   | 5.96   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Ni-63        | -0.141 U  | 1.34   | 0.398  | 4.92   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Np-236       | 0.001 U   | 0.0333 | 0.01   | 0.047  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Np-239       | -0.0129 U | 0.115  | 0.036  | 0.139  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Pa-231       | 0.382 J   | 0.727  | 0.226  | 0.936  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Pb-212       | 1.6       | 0.0362 | 0.0944 | 2.69   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Pb-214       | 1.06      | 0.0316 | 0.0496 | 1.7    | 1.00 - 5.00             |
| 8N-00056        | 40106     | Pm-147       | 4.08      | 7.14   | 2.23   | 17.5   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Pu-238       | 0.0046    | 0.0127 | 0.0038 | 0.0415 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Pu-239/240   | 0.0065    | 0.0127 | 0.0042 | 0.0404 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Pu-244       | 0.0045    | 0.0127 | 0.0037 | 0.0313 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Sb-125       | 0.0091 U  | 0.0458 | 0.0136 | 0.354  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Sn-126       | -0.0057 U | 0.015  | 0.0049 | 0.0237 | 1.00 - 5.00             |
| 8N-00056        | 40106     | Sr-90        | 0.215     | 0.241  | 0.0799 | 0.485  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Tc-99        | -0.2 U    | 1.35   | 0.389  | 1.63   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Th-228       | 1.62      | 0.153  | 0.158  | 3.98   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Th-229       | 0.0137 U  | 0.0636 | 0.0168 | 0.145  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Th-230       | 0.949     | 0.0185 | 0.0993 | 2.2    | 1.00 - 5.00             |
| 8N-00056        | 40106     | Th-232       | 1.08      | 0.0185 | 0.108  | 3.1    | 1.00 - 5.00             |
| 8N-00056        | 40106     | Th-234       | 1.58      | 0.259  | 0.156  | 3.19   | 1.00 - 5.00             |
| 8N-00056        | 40106     | Tl-208       | 0.486     | 0.0194 | 0.0279 | 0.937  | 1.00 - 5.00             |
| 8N-00056        | 40106     | Tm-171       | -1.72 U   | 13.6   | 4.55   | 72.4   | 1.00 - 5.00             |
| 8N-00056        | 40106     | U-233/234    | 0.733     | 0.0498 | 0.0839 | 2.02   | 1.00 - 5.00             |
| 8N-00056        | 40106     | U-235/236    | 0.034     | 0.0184 | 0.0154 | 0.151  | 1.00 - 5.00             |
| 8N-00056        | 40106     | U-238        | 0.764     | 0.0149 | 0.0857 | 1.8    | 1.00 - 5.00             |
| 8N-00057        | 40107     | Ac-227       | 0.136 J   | 0.213  | 0.0694 | 0.217  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Am-241       | 0.0012 U  | 0.0173 | 0.0038 | 0.0454 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Bi-212       | 1.05      | 0.184  | 0.102  | 2.15   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Bi-214       | 0.905     | 0.0324 | 0.0457 | 1.59   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Cd-113m      | 17.7 U    | 139    | 42.3   | 3030   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00057        | 40107     | Cm-243/244   | 0.0019 U  | 0.0203 | 0.0048 | 0.0443 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Co-60        | -0.0038 U | 0.021  | 0.0063 | 0.028  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Cs-134       | -0.0038 U | 0.0199 | 0.0068 | 0.0864 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Cs-137       | 0.0134    | 0.0209 | 0.0086 | 0.207  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Eu-152       | -0.0067 U | 0.053  | 0.0166 | 0.0566 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Eu-154       | 0.0693 J  | 0.117  | 0.04   | 0.15   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Eu-155       | 0.0617 JS | 0.0789 | 0.0276 | 0.231  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Ho-166m      | 0.0093 U  | 0.0302 | 0.009  | 0.0432 | 0.00 - 0.50             |
| 8N-00057        | 40107     | K-40         | 18.8      | 0.154  | 1.14   | 32.4   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Na-22        | -0.0076 U | 0.0276 | 0.0085 | 0.037  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Nb-94        | 0.0043 U  | 0.0173 | 0.0051 | 0.0214 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Ni-59        | -0.854 U  | 4      | 1.13   | 5.96   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Ni-63        | 0.321 U   | 1.03   | 0.311  | 4.92   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Np-236       | 0.0003 U  | 0.0377 | 0.0114 | 0.047  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Np-239       | -0.0457 U | 0.134  | 0.0412 | 0.139  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Pa-231       | 0.126 U   | 0.848  | 0.251  | 0.936  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Pb-212       | 1.6       | 0.0424 | 0.108  | 2.69   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Pb-214       | 0.93      | 0.0367 | 0.0507 | 1.7    | 0.00 - 0.50             |
| 8N-00057        | 40107     | Pm-147       | 5.36      | 7.4    | 2.36   | 17.5   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Pu-238       | 0.0003 U  | 0.0212 | 0.0048 | 0.0415 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Pu-239/240   | 0.009     | 0.0134 | 0.005  | 0.0404 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Pu-244       | 0.0069 J  | 0.0134 | 0.0045 | 0.0313 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Sb-125       | 0.0196 U  | 0.0576 | 0.0177 | 0.354  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Sn-126       | -0.0004 U | 0.0187 | 0.0055 | 0.0237 | 0.00 - 0.50             |
| 8N-00057        | 40107     | Sr-90        | 0.112     | 0.185  | 0.0584 | 0.485  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Tc-99        | -0.283 U  | 1.36   | 0.391  | 1.63   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Th-228       | 1.4       | 0.133  | 0.132  | 3.98   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Th-229       | 0.0436    | 0.0506 | 0.019  | 0.145  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Th-230       | 0.81      | 0.04   | 0.0816 | 2.2    | 0.00 - 0.50             |
| 8N-00057        | 40107     | Th-232       | 1.12      | 0.0399 | 0.101  | 3.1    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00057        | 40107     | Th-234       | 1.36 J    | 0.385  | 0.358  | 3.19   | 0.00 - 0.50             |
| 8N-00057        | 40107     | Tl-208       | 0.513     | 0.0224 | 0.0314 | 0.937  | 0.00 - 0.50             |
| 8N-00057        | 40107     | Tm-171       | -3.76 U   | 19.4   | 5.87   | 72.4   | 0.00 - 0.50             |
| 8N-00057        | 40107     | U-233/234    | 0.686     | 0.037  | 0.0725 | 2.02   | 0.00 - 0.50             |
| 8N-00057        | 40107     | U-235/236    | 0.0455    | 0.0137 | 0.0155 | 0.151  | 0.00 - 0.50             |
| 8N-00057        | 40107     | U-238        | 0.701     | 0.0535 | 0.0744 | 1.8    | 0.00 - 0.50             |
| 8N-00057        | 40108     | Ac-227       | -0.181 UJ | 0.199  | 0.0739 | 0.217  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Am-241       | 0.009     | 0.0133 | 0.0049 | 0.0454 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Bi-212       | 1.08      | 0.183  | 0.0984 | 2.15   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Bi-214       | 0.86      | 0.0324 | 0.036  | 1.59   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Cd-113m      | 4.99 U    | 136    | 41.1   | 3030   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Cm-243/244   | 0.0064    | 0.0058 | 0.0037 | 0.0443 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Co-60        | 0 U       | 0.0213 | 0.0061 | 0.028  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Cs-134       | -0.0059 U | 0.0194 | 0.0068 | 0.0864 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Cs-137       | -0.0099 U | 0.0209 | 0.0067 | 0.207  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Eu-152       | 0.0159 UJ | 0.0532 | 0.018  | 0.0566 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Eu-154       | -0.0699 U | 0.113  | 0.0378 | 0.15   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Eu-155       | 0.0832 JS | 0.0718 | 0.0273 | 0.231  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Ho-166m      | -0.0001 U | 0.0304 | 0.0089 | 0.0432 | 1.00 - 5.00             |
| 8N-00057        | 40108     | K-40         | 17.3      | 0.158  | 0.638  | 32.4   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Na-22        | 0.0012 U  | 0.0281 | 0.0081 | 0.037  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Nb-94        | 0.0133 U  | 0.0185 | 0.006  | 0.0214 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Ni-59        | -2.02 U   | 4.94   | 1.51   | 5.96   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Ni-63        | -0.586 U  | 1.51   | 0.44   | 4.92   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Np-236       | -0.0065 U | 0.0364 | 0.0112 | 0.047  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Np-239       | 0.0352 U  | 0.133  | 0.0394 | 0.139  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Pa-231       | -0.132 U  | 0.842  | 0.252  | 0.936  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Pb-212       | 1.65      | 0.0413 | 0.0608 | 2.69   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Pb-214       | 0.972     | 0.0379 | 0.0387 | 1.7    | 1.00 - 5.00             |
| 8N-00057        | 40108     | Pm-147       | 4.37      | 7.67   | 2.39   | 17.5   | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00057        | 40108     | Pu-238       | 0.0006 U   | 0.0142 | 0.0028 | 0.0415 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Pu-239/240   | 0.0035 U   | 0.0175 | 0.0045 | 0.0404 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Pu-244       | 0.0022     | 0.006  | 0.0022 | 0.0313 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Sb-125       | 0.0355 U   | 0.0592 | 0.019  | 0.354  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Sn-126       | 0.0109 U   | 0.0208 | 0.0064 | 0.0237 | 1.00 - 5.00             |
| 8N-00057        | 40108     | Sr-90        | 0.152      | 0.219  | 0.0701 | 0.485  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Tc-99        | 0.712 U    | 1.49   | 0.454  | 1.63   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Th-228       | 1.16       | 0.142  | 0.126  | 3.98   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Th-229       | 0.0485     | 0.0832 | 0.027  | 0.145  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Th-230       | 0.718      | 0.0642 | 0.0831 | 2.2    | 1.00 - 5.00             |
| 8N-00057        | 40108     | Th-232       | 1.16       | 0.064  | 0.113  | 3.1    | 1.00 - 5.00             |
| 8N-00057        | 40108     | Th-234       | 1.27       | 0.297  | 0.123  | 3.19   | 1.00 - 5.00             |
| 8N-00057        | 40108     | Tl-208       | 0.511      | 0.024  | 0.0236 | 0.937  | 1.00 - 5.00             |
| 8N-00057        | 40108     | Tm-171       | -7.14 U    | 14.5   | 5.17   | 72.4   | 1.00 - 5.00             |
| 8N-00057        | 40108     | U-233/234    | 0.675      | 0.0152 | 0.079  | 2.02   | 1.00 - 5.00             |
| 8N-00057        | 40108     | U-235/236    | 0.0554     | 0.0187 | 0.02   | 0.151  | 1.00 - 5.00             |
| 8N-00057        | 40108     | U-238        | 0.77       | 0.0442 | 0.0872 | 1.8    | 1.00 - 5.00             |
| 8N-00058        | 40109     | Ac-227       | 0.0295 U   | 0.2    | 0.0613 | 0.217  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Am-241       | 0.0041     | 0.0055 | 0.0029 | 0.0454 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Bi-212       | 0.964 J    | 0.2    | 0.128  | 2.15   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Bi-214       | 0.976      | 0.0383 | 0.0496 | 1.59   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Cd-113m      | -25.8 U    | 136    | 42.6   | 3030   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Cm-243/244   | 0.0125     | 0.0057 | 0.0052 | 0.0443 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Co-60        | 0.0014 U   | 0.0253 | 0.0072 | 0.028  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Cs-134       | -0.0207 UJ | 0.022  | 0.0095 | 0.0864 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Cs-137       | 0.0077 U   | 0.0235 | 0.0081 | 0.207  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Eu-152       | -0.0197 U  | 0.0517 | 0.016  | 0.0566 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Eu-154       | -0.0242 U  | 0.131  | 0.0395 | 0.15   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Eu-155       | 0.126 JS   | 0.0594 | 0.0271 | 0.231  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Ho-166m      | 0.005 U    | 0.0353 | 0.0101 | 0.0432 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00058        | 40109     | K-40         | 19.3       | 0.189  | 1.07   | 32.4   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Na-22        | -0.0116 U  | 0.0313 | 0.0096 | 0.037  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Nb-94        | -0.0005 U  | 0.0199 | 0.0057 | 0.0214 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Ni-59        | -4.08 U    | 6.54   | 2.27   | 5.96   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Ni-63        | -0.463 U   | 1.36   | 0.403  | 4.92   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Np-236       | -0.0032 UJ | 0.0314 | 0.0093 | 0.047  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Np-239       | -0.0698 U  | 0.124  | 0.042  | 0.139  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Pa-231       | 0.0459 U   | 0.827  | 0.255  | 0.936  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Pb-212       | 1.55       | 0.0406 | 0.088  | 2.69   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Pb-214       | 1.08       | 0.0364 | 0.052  | 1.7    | 0.00 - 0.50             |
| 8N-00058        | 40109     | Pm-147       | 0.998 U    | 5.77   | 1.72   | 17.5   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Pu-238       | -0.001 U   | 0.0179 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Pu-239/240   | 0.0029 U   | 0.0144 | 0.0036 | 0.0404 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Pu-244       | 0          | 0.0061 | 0.0023 | 0.0313 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Sb-125       | -0.0256 U  | 0.0561 | 0.018  | 0.354  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Sn-126       | -0.0004 U  | 0.0221 | 0.0063 | 0.0237 | 0.00 - 0.50             |
| 8N-00058        | 40109     | Sr-90        | 0.19       | 0.162  | 0.0605 | 0.485  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Tc-99        | -0.365 U   | 1.95   | 0.567  | 1.63   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Th-228       | 1.4        | 0.101  | 0.137  | 3.98   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Th-229       | 0.0204 U   | 0.0816 | 0.0226 | 0.145  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Th-230       | 0.732      | 0.0499 | 0.0825 | 2.2    | 0.00 - 0.50             |
| 8N-00058        | 40109     | Th-232       | 1.04       | 0.0497 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8N-00058        | 40109     | Th-234       | 1.34       | 0.231  | 0.119  | 3.19   | 0.00 - 0.50             |
| 8N-00058        | 40109     | Tl-208       | 0.493      | 0.0256 | 0.0306 | 0.937  | 0.00 - 0.50             |
| 8N-00058        | 40109     | Tm-171       | 4.23 U     | 8.79   | 2.94   | 72.4   | 0.00 - 0.50             |
| 8N-00058        | 40109     | U-233/234    | 0.749      | 0.0562 | 0.086  | 2.02   | 0.00 - 0.50             |
| 8N-00058        | 40109     | U-235/236    | 0.0346     | 0.0188 | 0.0157 | 0.151  | 0.00 - 0.50             |
| 8N-00058        | 40109     | U-238        | 0.848      | 0.0357 | 0.0932 | 1.8    | 0.00 - 0.50             |
| 8N-00058        | 40110     | Ac-227       | 0.0627 U   | 0.252  | 0.0743 | 0.217  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Am-241       | -0.0027 U  | 0.0319 | 0.0075 | 0.0454 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00058        | 40110     | Bi-212       | 0.94 J     | 0.254  | 0.117  | 2.15   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Bi-214       | 0.842      | 0.0458 | 0.0475 | 1.59   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Cd-113m      | -110 U     | 165    | 56.4   | 3030   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Cm-243/244   | 0.0142 U   | 0.0539 | 0.0156 | 0.0443 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Co-60        | -0.0117 U  | 0.0288 | 0.0091 | 0.028  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Cs-134       | -0.004 U   | 0.0261 | 0.0088 | 0.0864 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Cs-137       | -0.0239 UJ | 0.0243 | 0.0095 | 0.207  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Eu-152       | -0.0234 U  | 0.0655 | 0.0234 | 0.0566 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Eu-154       | -0.0129 U  | 0.157  | 0.0469 | 0.15   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Eu-155       | 0.0114 U   | 0.0855 | 0.026  | 0.231  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Ho-166m      | -0.0154 U  | 0.0392 | 0.0123 | 0.0432 | 1.00 - 5.00             |
| 8N-00058        | 40110     | K-40         | 17         | 0.207  | 0.999  | 32.4   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Na-22        | 0.0005 U   | 0.0365 | 0.0105 | 0.037  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Nb-94        | 0.0039 U   | 0.0238 | 0.0069 | 0.0214 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Ni-59        | -3.91 UJ   | 3.12   | 1.39   | 5.96   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Ni-63        | 0.589      | 1.12   | 0.346  | 4.92   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Np-236       | -0.0008 U  | 0.0441 | 0.0134 | 0.047  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Np-239       | -0.0948 U  | 0.159  | 0.0526 | 0.139  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Pa-231       | -0.0936 U  | 1.05   | 0.337  | 0.936  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Pb-212       | 1.59       | 0.0492 | 0.0952 | 2.69   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Pb-214       | 0.94       | 0.0464 | 0.0494 | 1.7    | 1.00 - 5.00             |
| 8N-00058        | 40110     | Pm-147       | -0.98 U    | 6.5    | 1.87   | 17.5   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Pu-238       | -0.0031 U  | 0.0171 | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Pu-239/240   | 0.0043     | 0.0059 | 0.0031 | 0.0404 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Pu-244       | 0.0043 J   | 0.0059 | 0.0031 | 0.0313 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Sb-125       | 0.031 UJ   | 0.0728 | 0.0223 | 0.354  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Sn-126       | -0.0009 U  | 0.0261 | 0.0076 | 0.0237 | 1.00 - 5.00             |
| 8N-00058        | 40110     | Sr-90        | 0.0396 U   | 0.137  | 0.0397 | 0.485  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Tc-99        | 0.103 U    | 1.41   | 0.413  | 1.63   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Th-228       | 1.32 J     | 0.127  | 0.152  | 3.98   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00058        | 40110     | Th-229       | 0.0691     | 0.0727 | 0.0299 | 0.145  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Th-230       | 0.62       | 0.0915 | 0.0896 | 2.2    | 1.00 - 5.00             |
| 8N-00058        | 40110     | Th-232       | 0.913      | 0.0723 | 0.112  | 3.1    | 1.00 - 5.00             |
| 8N-00058        | 40110     | Th-234       | 1.26 J     | 0.332  | 0.152  | 3.19   | 1.00 - 5.00             |
| 8N-00058        | 40110     | Tl-208       | 0.491      | 0.0295 | 0.0329 | 0.937  | 1.00 - 5.00             |
| 8N-00058        | 40110     | Tm-171       | -6.14 U    | 16.9   | 5.91   | 72.4   | 1.00 - 5.00             |
| 8N-00058        | 40110     | U-233/234    | 0.632      | 0.0456 | 0.071  | 2.02   | 1.00 - 5.00             |
| 8N-00058        | 40110     | U-235/236    | 0.0328     | 0.0509 | 0.0175 | 0.151  | 1.00 - 5.00             |
| 8N-00058        | 40110     | U-238        | 0.765      | 0.029  | 0.0808 | 1.8    | 1.00 - 5.00             |
| 8N-00058        | 40260     | Ac-227       | -0.0604 U  | 0.137  | 0.0451 | 0.217  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Am-241       | 0.0092     | 0.0137 | 0.0051 | 0.0454 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Bi-212       | 0.946      | 0.142  | 0.0899 | 2.15   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Bi-214       | 0.978      | 0.0246 | 0.0454 | 1.59   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Cd-113m      | 4.41 U     | 95.1   | 29.2   | 3030   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Cm-243/244   | 0.0003 U   | 0.0221 | 0.005  | 0.0443 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Co-60        | -0.0025 U  | 0.0174 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Cs-134       | 0.0035 U   | 0.0147 | 0.0051 | 0.0864 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Cs-137       | 0.0204     | 0.0151 | 0.0065 | 0.207  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Eu-152       | -0.018 U   | 0.036  | 0.0123 | 0.0566 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Eu-154       | -0.0017 U  | 0.0915 | 0.0273 | 0.15   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Eu-155       | 0.0748 JS  | 0.0425 | 0.0205 | 0.231  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Ho-166m      | -0.0063 U  | 0.0228 | 0.0069 | 0.0432 | 0.00 - 0.50             |
| 8N-00058        | 40260     | K-40         | 19.7       | 0.107  | 1.06   | 32.4   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Na-22        | 0.0013 U   | 0.0215 | 0.0062 | 0.037  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Nb-94        | 0.0036 U   | 0.0133 | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Ni-59        | 1.16 U     | 5.82   | 1.51   | 5.96   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Ni-63        | -0.187 U   | 1.45   | 0.431  | 4.92   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Np-236       | -0.0012 UJ | 0.0224 | 0.0073 | 0.047  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Np-239       | 0.0204 U   | 0.0902 | 0.0277 | 0.139  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Pa-231       | -0.0211 U  | 0.572  | 0.177  | 0.936  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00058        | 40260     | Pb-212       | 1.52      | 0.0285 | 0.0839 | 2.69   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Pb-214       | 1.02      | 0.0255 | 0.0466 | 1.7    | 0.00 - 0.50             |
| 8N-00058        | 40260     | Pm-147       | 0.608 U   | 6.53   | 1.93   | 17.5   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Pu-238       | -0.001 U  | 0.0186 | 0.0034 | 0.0415 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Pu-239/240   | 0.0077    | 0.0149 | 0.005  | 0.0404 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Pu-244       | 0.0023    | 0.0064 | 0.0024 | 0.0313 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Sb-125       | 0.0063 U  | 0.0406 | 0.012  | 0.354  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Sn-126       | 0.0036 U  | 0.0149 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00058        | 40260     | Sr-90        | 0.0056 U  | 0.138  | 0.0366 | 0.485  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Tc-99        | -0.787 U  | 1.57   | 0.453  | 1.63   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Th-228       | 1.22      | 0.104  | 0.127  | 3.98   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Th-229       | 0.0208    | 0.0511 | 0.0156 | 0.145  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Th-230       | 0.754     | 0.0188 | 0.0848 | 2.2    | 0.00 - 0.50             |
| 8N-00058        | 40260     | Th-232       | 0.918     | 0.0187 | 0.0962 | 3.1    | 0.00 - 0.50             |
| 8N-00058        | 40260     | Th-234       | 1.36      | 0.159  | 0.113  | 3.19   | 0.00 - 0.50             |
| 8N-00058        | 40260     | Tl-208       | 0.518     | 0.0156 | 0.0302 | 0.937  | 0.00 - 0.50             |
| 8N-00058        | 40260     | Tm-171       | 2.85 U    | 6.09   | 2.16   | 72.4   | 0.00 - 0.50             |
| 8N-00058        | 40260     | U-233/234    | 0.791     | 0.0382 | 0.0907 | 2.02   | 0.00 - 0.50             |
| 8N-00058        | 40260     | U-235/236    | 0.0338    | 0.0584 | 0.0198 | 0.151  | 0.00 - 0.50             |
| 8N-00058        | 40260     | U-238        | 0.875     | 0.0162 | 0.0972 | 1.8    | 0.00 - 0.50             |
| 8N-00059        | 40111     | Ac-227       | -0.0278 U | 0.199  | 0.0615 | 0.217  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Am-241       | 0.0082    | 0.0055 | 0.0041 | 0.0454 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Bi-212       | 0.945     | 0.154  | 0.0919 | 2.15   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Bi-214       | 0.829     | 0.0286 | 0.0399 | 1.59   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Cd-113m      | -27.1 U   | 133    | 45     | 3030   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Cm-243/244   | 0.0042    | 0.0057 | 0.003  | 0.0443 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Co-60        | -0.0028 U | 0.0181 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Cs-134       | 0.0029 U  | 0.0168 | 0.0057 | 0.0864 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Cs-137       | 0.0296    | 0.0174 | 0.0061 | 0.207  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Eu-152       | -0.0154 U | 0.0488 | 0.018  | 0.0566 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00059        | 40111     | Eu-154       | -0.0099 U  | 0.0992 | 0.0291 | 0.15   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Eu-155       | 0.106 JS   | 0.0774 | 0.0259 | 0.231  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Ho-166m      | 0.0012 U   | 0.0255 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00059        | 40111     | K-40         | 19.6       | 0.12   | 1.2    | 32.4   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Na-22        | -0.0003 U  | 0.0231 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Nb-94        | 0.0094 J   | 0.015  | 0.0049 | 0.0214 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Ni-59        | -0.662 U   | 4.63   | 1.34   | 5.96   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Ni-63        | -0.691 U   | 1.2    | 0.353  | 4.92   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Np-236       | -0.0099 UJ | 0.038  | 0.0121 | 0.047  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Np-239       | -0.0074 U  | 0.136  | 0.0416 | 0.139  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Pa-231       | -0.392 U   | 0.804  | 0.277  | 0.936  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Pb-212       | 1.65       | 0.0423 | 0.102  | 2.69   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Pb-214       | 0.966      | 0.0338 | 0.0472 | 1.7    | 0.00 - 0.50             |
| 8N-00059        | 40111     | Pm-147       | 1.57 U     | 6.23   | 1.87   | 17.5   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Pu-238       | 0.0146     | 0.0325 | 0.0101 | 0.0415 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Pu-239/240   | 0.0123     | 0.0111 | 0.0071 | 0.0404 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Pu-244       | 0.0082     | 0.0111 | 0.0058 | 0.0313 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Sb-125       | -0.0059 U  | 0.0498 | 0.0148 | 0.354  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Sn-126       | 0.0081 U   | 0.017  | 0.0053 | 0.0237 | 0.00 - 0.50             |
| 8N-00059        | 40111     | Sr-90        | -0.0334 U  | 0.128  | 0.0296 | 0.485  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Tc-99        | -0.22 U    | 1.78   | 0.518  | 1.63   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Th-228       | 1.32       | 0.104  | 0.134  | 3.98   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Th-229       | 0 U        | 0.0515 | 0.0099 | 0.145  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Th-230       | 0.865      | 0.0648 | 0.0933 | 2.2    | 0.00 - 0.50             |
| 8N-00059        | 40111     | Th-232       | 1.08       | 0.0188 | 0.106  | 3.1    | 0.00 - 0.50             |
| 8N-00059        | 40111     | Th-234       | 1.43 J     | 0.306  | 0.17   | 3.19   | 0.00 - 0.50             |
| 8N-00059        | 40111     | Tl-208       | 0.488      | 0.0197 | 0.0283 | 0.937  | 0.00 - 0.50             |
| 8N-00059        | 40111     | Tm-171       | -16.1 UJ   | 17.9   | 7.25   | 72.4   | 0.00 - 0.50             |
| 8N-00059        | 40111     | U-233/234    | 0.656      | 0.0483 | 0.0743 | 2.02   | 0.00 - 0.50             |
| 8N-00059        | 40111     | U-235/236    | 0.0357     | 0.0161 | 0.0148 | 0.151  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00059        | 40111     | U-238        | 0.79       | 0.0306 | 0.0843 | 1.8    | 0.00 - 0.50             |
| 8N-00059        | 40112     | Ac-227       | -0.0252 U  | 0.18   | 0.0526 | 0.217  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Am-241       | 0.0484     | 0.0162 | 0.0108 | 0.0454 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Bi-212       | 0.777 J    | 0.145  | 0.0843 | 2.15   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Bi-214       | 0.781      | 0.0274 | 0.0386 | 1.59   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Cd-113m      | -70.7 U    | 119    | 39     | 3030   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Cm-243/244   | -0.0151 U  | 0.0372 | 0.0078 | 0.0443 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Co-60        | -0.0031 U  | 0.0167 | 0.0051 | 0.028  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Cs-134       | 0.0031 U   | 0.0162 | 0.0055 | 0.0864 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Cs-137       | -0.0124 UJ | 0.016  | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Eu-152       | -0.0174 U  | 0.043  | 0.0135 | 0.0566 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Eu-154       | -0.0906 UJ | 0.0882 | 0.0353 | 0.15   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Eu-155       | 0.0759 JS  | 0.0674 | 0.0266 | 0.231  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Ho-166m      | 0.0169 JS  | 0.0256 | 0.0083 | 0.0432 | 1.00 - 5.00             |
| 8N-00059        | 40112     | K-40         | 17.2       | 0.111  | 0.979  | 32.4   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Na-22        | 0.0045 U   | 0.0212 | 0.0062 | 0.037  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Nb-94        | 0.0065 U   | 0.0149 | 0.0046 | 0.0214 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Ni-59        | 0.359 U    | 3.99   | 1.1    | 5.96   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Ni-63        | 0.254 U    | 1.28   | 0.385  | 4.92   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Np-236       | 0.0041 U   | 0.0336 | 0.0101 | 0.047  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Np-239       | 0.0094 U   | 0.117  | 0.0363 | 0.139  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Pa-231       | -0.108 U   | 0.726  | 0.221  | 0.936  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Pb-212       | 1.48       | 0.0356 | 0.0875 | 2.69   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Pb-214       | 0.856      | 0.0308 | 0.0424 | 1.7    | 1.00 - 5.00             |
| 8N-00059        | 40112     | Pm-147       | 1.61 U     | 6.97   | 2.08   | 17.5   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Pu-238       | 0.0056 U   | 0.0179 | 0.0051 | 0.0415 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Pu-239/240   | 0.0873     | 0.0126 | 0.014  | 0.0404 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Pu-244       | 0.0079 J   | 0.0053 | 0.004  | 0.0313 | 1.00 - 5.00             |
| 8N-00059        | 40112     | Sb-125       | -0.0022 UJ | 0.046  | 0.0136 | 0.354  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Sn-126       | 0.0057 U   | 0.0167 | 0.0051 | 0.0237 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00059        | 40112     | Sr-90        | 0.0631 U  | 0.181  | 0.0537 | 0.485  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Tc-99        | -0.3 U    | 1.46   | 0.418  | 1.63   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Th-228       | 1.08      | 0.148  | 0.139  | 3.98   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Th-229       | 0.0926    | 0.0279 | 0.0314 | 0.145  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Th-230       | 0.688     | 0.0278 | 0.0949 | 2.2    | 1.00 - 5.00             |
| 8N-00059        | 40112     | Th-232       | 0.901     | 0.0277 | 0.112  | 3.1    | 1.00 - 5.00             |
| 8N-00059        | 40112     | Th-234       | 1.4 J     | 0.256  | 0.155  | 3.19   | 1.00 - 5.00             |
| 8N-00059        | 40112     | Tl-208       | 0.449     | 0.0181 | 0.0264 | 0.937  | 1.00 - 5.00             |
| 8N-00059        | 40112     | Tm-171       | 3.2 U     | 13.6   | 4.51   | 72.4   | 1.00 - 5.00             |
| 8N-00059        | 40112     | U-233/234    | 0.638     | 0.0817 | 0.0829 | 2.02   | 1.00 - 5.00             |
| 8N-00059        | 40112     | U-235/236    | 0.0534    | 0.0642 | 0.0248 | 0.151  | 1.00 - 5.00             |
| 8N-00059        | 40112     | U-238        | 0.581     | 0.0861 | 0.0785 | 1.8    | 1.00 - 5.00             |
| 8N-00060        | 40113     | Ac-227       | -0.0885 U | 0.197  | 0.063  | 0.217  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Am-241       | 0.0074    | 0.0163 | 0.0051 | 0.0454 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Bi-212       | 0.851     | 0.173  | 0.0836 | 2.15   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Bi-214       | 0.854     | 0.03   | 0.0416 | 1.59   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Cd-113m      | -38.2 U   | 132    | 40.6   | 3030   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Cm-243/244   | 0         | 0.0057 | 0.0021 | 0.0443 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Co-60        | 0.0029 U  | 0.0196 | 0.0056 | 0.028  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Cs-134       | 0.0097 JS | 0.0181 | 0.0063 | 0.0864 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Cs-137       | 0.0217    | 0.0166 | 0.0071 | 0.207  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Eu-152       | -0.0108 U | 0.0487 | 0.0185 | 0.0566 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Eu-154       | -0.0322 U | 0.109  | 0.0336 | 0.15   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Eu-155       | 0.0855 JS | 0.0723 | 0.0275 | 0.231  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Ho-166m      | -0.0103 U | 0.026  | 0.0083 | 0.0432 | 0.00 - 0.50             |
| 8N-00060        | 40113     | K-40         | 19.8      | 0.143  | 1.25   | 32.4   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Na-22        | 0.0069 U  | 0.0268 | 0.0093 | 0.037  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Nb-94        | 0.0052 U  | 0.016  | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Ni-59        | -3.69 UJ  | 3.5    | 1.44   | 5.96   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Ni-63        | 0.0599 U  | 1.14   | 0.338  | 4.92   | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00060        | 40113     | Np-236       | -0.0153 U | 0.0359 | 0.0117 | 0.047  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Np-239       | -0.0515 U | 0.128  | 0.0403 | 0.139  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Pa-231       | -0.361 U  | 0.791  | 0.255  | 0.936  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Pb-212       | 1.59      | 0.0415 | 0.0973 | 2.69   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Pb-214       | 0.904     | 0.0337 | 0.0455 | 1.7    | 0.00 - 0.50             |
| 8N-00060        | 40113     | Pm-147       | 0.317 U   | 6.41   | 1.88   | 17.5   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Pu-238       | 0         | 0.0065 | 0.0024 | 0.0415 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Pu-239/240   | 0.0037 U  | 0.0189 | 0.0048 | 0.0404 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Pu-244       | 0.0168 J  | 0.0065 | 0.0064 | 0.0313 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Sb-125       | 0.0122 U  | 0.0519 | 0.0151 | 0.354  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Sn-126       | -0.0025 U | 0.0166 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00060        | 40113     | Sr-90        | 0.006 U   | 0.217  | 0.0605 | 0.485  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Tc-99        | -0.305 U  | 1.11   | 0.328  | 1.63   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Th-228       | 1.47 J    | 0.0966 | 0.163  | 3.98   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Th-229       | 0.0136 U  | 0.106  | 0.0267 | 0.145  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Th-230       | 0.828     | 0.0763 | 0.104  | 2.2    | 0.00 - 0.50             |
| 8N-00060        | 40113     | Th-232       | 1.46      | 0.0261 | 0.149  | 3.1    | 0.00 - 0.50             |
| 8N-00060        | 40113     | Th-234       | 1.43 J    | 0.371  | 0.369  | 3.19   | 0.00 - 0.50             |
| 8N-00060        | 40113     | Tl-208       | 0.478     | 0.0196 | 0.0285 | 0.937  | 0.00 - 0.50             |
| 8N-00060        | 40113     | Tm-171       | -8.33 U   | 18.8   | 6.01   | 72.4   | 0.00 - 0.50             |
| 8N-00060        | 40113     | U-233/234    | 0.811     | 0.032  | 0.0871 | 2.02   | 0.00 - 0.50             |
| 8N-00060        | 40113     | U-235/236    | 0.0434    | 0.0168 | 0.0167 | 0.151  | 0.00 - 0.50             |
| 8N-00060        | 40113     | U-238        | 0.85      | 0.032  | 0.0901 | 1.8    | 0.00 - 0.50             |
| 8N-00060        | 40114     | Ac-227       | -0.0506 U | 0.181  | 0.0548 | 0.217  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Am-241       | 0.006     | 0.0054 | 0.0035 | 0.0454 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Bi-212       | 1.01      | 0.159  | 0.09   | 2.15   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Bi-214       | 0.903     | 0.0279 | 0.0446 | 1.59   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Cd-113m      | 17.6 U    | 122    | 36.9   | 3030   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Cm-243/244   | -0.0009 U | 0.0161 | 0.0029 | 0.0443 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Co-60        | -0.0006 U | 0.0187 | 0.0053 | 0.028  | 1.00 - 3.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00060        | 40114     | Cs-134       | -0.0012 U  | 0.0164 | 0.0057 | 0.0864 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Cs-137       | -0.0125 LU | 0.0174 | 0.006  | 0.207  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Eu-152       | -0.0077 U  | 0.0446 | 0.0152 | 0.0566 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Eu-154       | -0.0256 U  | 0.0976 | 0.0299 | 0.15   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Eu-155       | 0.0758 SJ  | 0.0643 | 0.0275 | 0.231  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Ho-166m      | 0.0035 U   | 0.026  | 0.0075 | 0.0432 | 1.00 - 3.50             |
| 8N-00060        | 40114     | K-40         | 18.4       | 0.129  | 1.05   | 32.4   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Na-22        | -0.0022 U  | 0.0221 | 0.0067 | 0.037  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Nb-94        | 0.0135 SK  | 0.0155 | 0.0053 | 0.0214 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Ni-59        | -3.44 UJ   | 3.92   | 1.52   | 5.96   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Ni-63        | 0.625      | 0.938  | 0.293  | 4.92   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Np-236       | -0.0175 U  | 0.0333 | 0.0111 | 0.047  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Np-239       | 0.0116 U   | 0.122  | 0.0356 | 0.139  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Pa-231       | -0.166 U   | 0.736  | 0.221  | 0.936  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Pb-212       | 1.62       | 0.037  | 0.0979 | 2.69   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Pb-214       | 0.975      | 0.0323 | 0.0482 | 1.7    | 1.00 - 3.50             |
| 8N-00060        | 40114     | Pm-147       | -0.614 U   | 5.89   | 1.71   | 17.5   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Pu-238       | -0.0054 U  | 0.04   | 0.0077 | 0.0415 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Pu-239/240   | -0.0054 U  | 0.0502 | 0.0094 | 0.0404 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Pu-244       | 0 U        | 0.0398 | 0.0077 | 0.0313 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Sb-125       | 0.0293 SJ  | 0.0488 | 0.0156 | 0.354  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Sn-126       | 0.0074 U   | 0.0169 | 0.005  | 0.0237 | 1.00 - 3.50             |
| 8N-00060        | 40114     | Sr-90        | 0.0684 U   | 0.161  | 0.0489 | 0.485  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Tc-99        | -0.401 U   | 1.49   | 0.433  | 1.63   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Th-228       | 1.26       | 0.21   | 0.15   | 3.98   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Th-229       | 0.0163 U   | 0.123  | 0.0327 | 0.145  | 1.00 - 3.50             |
| 8N-00060        | 40114     | Th-230       | 0.872      | 0.0878 | 0.104  | 2.2    | 1.00 - 3.50             |
| 8N-00060        | 40114     | Th-232       | 1.16       | 0.0598 | 0.124  | 3.1    | 1.00 - 3.50             |
| 8N-00060        | 40114     | Th-234       | 1.52       | 0.251  | 0.147  | 3.19   | 1.00 - 3.50             |
| 8N-00060        | 40114     | Tl-208       | 0.495      | 0.0189 | 0.0288 | 0.937  | 1.00 - 3.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00060        | 40114     | Tm-171       | -6.91 U   | 12     | 4.42   | 72.4   | 1.00 - 3.50             |
| 8N-00060        | 40114     | U-233/234    | 0.636     | 0.046  | 0.0775 | 2.02   | 1.00 - 3.50             |
| 8N-00060        | 40114     | U-235/236    | 0.0216    | 0.0195 | 0.0126 | 0.151  | 1.00 - 3.50             |
| 8N-00060        | 40114     | U-238        | 0.714     | 0.046  | 0.0839 | 1.8    | 1.00 - 3.50             |
| 8N-00061        | 40115     | Ac-227       | -0.0268 U | 0.186  | 0.0575 | 0.217  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Am-241       | 0.0069    | 0.0135 | 0.0045 | 0.0454 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Bi-212       | 0.995     | 0.166  | 0.0926 | 2.15   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Bi-214       | 0.87      | 0.0305 | 0.0432 | 1.59   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Cd-113m      | 50.5 U    | 127    | 40     | 3030   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Cm-243/244   | -0.001 U  | 0.0171 | 0.0031 | 0.0443 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Co-60        | -0.0027 U | 0.0202 | 0.0061 | 0.028  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Cs-134       | 0.0082 U  | 0.0183 | 0.0063 | 0.0864 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Cs-137       | 0.0296    | 0.0176 | 0.0065 | 0.207  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Eu-152       | -0.0039 U | 0.0464 | 0.0135 | 0.0566 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Eu-154       | -0.076 UJ | 0.102  | 0.0362 | 0.15   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Eu-155       | 0.0409 JS | 0.0701 | 0.0223 | 0.231  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Ho-166m      | 0.0054 U  | 0.0271 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00061        | 40115     | K-40         | 20        | 0.132  | 1.14   | 32.4   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Na-22        | 0.0067 U  | 0.0257 | 0.0076 | 0.037  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Nb-94        | 0.0026 U  | 0.0151 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Ni-59        | -0.977 U  | 3.19   | 0.962  | 5.96   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Ni-63        | 0.152 U   | 1.2    | 0.358  | 4.92   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Np-236       | -0.0059 U | 0.0333 | 0.0099 | 0.047  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Np-239       | 0.0157 U  | 0.12   | 0.0365 | 0.139  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Pa-231       | -0.394 U  | 0.744  | 0.252  | 0.936  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Pb-212       | 1.69      | 0.0398 | 0.102  | 2.69   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Pb-214       | 0.974     | 0.0326 | 0.0474 | 1.7    | 0.00 - 0.50             |
| 8N-00061        | 40115     | Pm-147       | -0.369 U  | 7.15   | 2.08   | 17.5   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Pu-238       | -0.0031 U | 0.0171 | 0.0031 | 0.0415 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Pu-239/240   | 0.0129    | 0.0059 | 0.0053 | 0.0404 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00061        | 40115     | Pu-244       | 0.0129    | 0.0059 | 0.0053 | 0.0313 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Sb-125       | 0.0237 U  | 0.0506 | 0.0154 | 0.354  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Sn-126       | 0.0086 J  | 0.0172 | 0.0054 | 0.0237 | 0.00 - 0.50             |
| 8N-00061        | 40115     | Sr-90        | 0.0993 U  | 0.215  | 0.0659 | 0.485  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Tc-99        | 0.317 U   | 1.06   | 0.32   | 1.63   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Th-228       | 1.51 J    | 0.106  | 0.173  | 3.98   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Th-229       | 0.0195 U  | 0.096  | 0.025  | 0.145  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Th-230       | 0.902     | 0.0674 | 0.114  | 2.2    | 0.00 - 0.50             |
| 8N-00061        | 40115     | Th-232       | 1.17      | 0.0672 | 0.135  | 3.1    | 0.00 - 0.50             |
| 8N-00061        | 40115     | Th-234       | 1.37 J    | 0.272  | 0.147  | 3.19   | 0.00 - 0.50             |
| 8N-00061        | 40115     | Tl-208       | 0.498     | 0.0196 | 0.0292 | 0.937  | 0.00 - 0.50             |
| 8N-00061        | 40115     | Tm-171       | -10.7 U   | 15.6   | 5.64   | 72.4   | 0.00 - 0.50             |
| 8N-00061        | 40115     | U-233/234    | 0.614     | 0.0142 | 0.0723 | 2.02   | 0.00 - 0.50             |
| 8N-00061        | 40115     | U-235/236    | 0.0517    | 0.0175 | 0.0187 | 0.151  | 0.00 - 0.50             |
| 8N-00061        | 40115     | U-238        | 0.773     | 0.0142 | 0.0851 | 1.8    | 0.00 - 0.50             |
| 8N-00061        | 40116     | Ac-227       | -0.0513 U | 0.186  | 0.0578 | 0.217  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Am-241       | -0.0166 U | 0.0494 | 0.0111 | 0.0454 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Bi-212       | 1.09      | 0.154  | 0.0904 | 2.15   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Bi-214       | 0.801     | 0.0286 | 0.0395 | 1.59   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Cd-113m      | 5.59 U    | 123    | 42.3   | 3030   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Cm-243/244   | 0.0172    | 0.0362 | 0.0112 | 0.0443 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Co-60        | 0.0073 U  | 0.0201 | 0.0059 | 0.028  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Cs-134       | 0.0041 U  | 0.0172 | 0.0058 | 0.0864 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Cs-137       | -0.0107 U | 0.0168 | 0.0057 | 0.207  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Eu-152       | -0.033 U  | 0.0458 | 0.0184 | 0.0566 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Eu-154       | -0.0235 U | 0.0964 | 0.0287 | 0.15   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Eu-155       | 0.064 JS  | 0.072  | 0.0255 | 0.231  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Ho-166m      | -0.0076 U | 0.0266 | 0.0082 | 0.0432 | 1.00 - 5.00             |
| 8N-00061        | 40116     | K-40         | 15.6      | 0.139  | 0.882  | 32.4   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Na-22        | -0.0063 U | 0.0224 | 0.0068 | 0.037  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00061        | 40116     | Nb-94        | 0.0043 U  | 0.0159 | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Ni-59        | 2.23 U    | 5.39   | 1.49   | 5.96   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Ni-63        | 0.621     | 1.18   | 0.365  | 4.92   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Np-236       | -0.009 U  | 0.035  | 0.0105 | 0.047  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Np-239       | 0.0395 UJ | 0.124  | 0.0381 | 0.139  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Pa-231       | 0.127 U   | 0.785  | 0.245  | 0.936  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Pb-212       | 1.45      | 0.0379 | 0.0859 | 2.69   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Pb-214       | 0.88      | 0.033  | 0.0435 | 1.7    | 1.00 - 5.00             |
| 8N-00061        | 40116     | Pm-147       | 1.42 U    | 6.65   | 1.98   | 17.5   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Pu-238       | -0.0038 U | 0.0209 | 0.0038 | 0.0415 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Pu-239/240   | 0.0026    | 0.0071 | 0.0026 | 0.0404 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Pu-244       | 0.0105    | 0.0071 | 0.0053 | 0.0313 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Sb-125       | -0.004 U  | 0.0492 | 0.0143 | 0.354  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Sn-126       | 0.0015 U  | 0.0168 | 0.0049 | 0.0237 | 1.00 - 5.00             |
| 8N-00061        | 40116     | Sr-90        | 0.109 U   | 0.221  | 0.068  | 0.485  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Tc-99        | 0.0469 U  | 0.939  | 0.278  | 1.63   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Th-228       | 1.3       | 0.133  | 0.124  | 3.98   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Th-229       | 0.0478    | 0.0391 | 0.0178 | 0.145  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Th-230       | 0.896     | 0.0637 | 0.0874 | 2.2    | 1.00 - 5.00             |
| 8N-00061        | 40116     | Th-232       | 0.994     | 0.0143 | 0.0924 | 3.1    | 1.00 - 5.00             |
| 8N-00061        | 40116     | Th-234       | 1.1 J     | 0.286  | 0.127  | 3.19   | 1.00 - 5.00             |
| 8N-00061        | 40116     | Tl-208       | 0.441     | 0.0197 | 0.0269 | 0.937  | 1.00 - 5.00             |
| 8N-00061        | 40116     | Tm-171       | -3.86 U   | 14.2   | 5.09   | 72.4   | 1.00 - 5.00             |
| 8N-00061        | 40116     | U-233/234    | 0.687     | 0.0523 | 0.0759 | 2.02   | 1.00 - 5.00             |
| 8N-00061        | 40116     | U-235/236    | 0.0484    | 0.0502 | 0.02   | 0.151  | 1.00 - 5.00             |
| 8N-00061        | 40116     | U-238        | 0.651     | 0.0523 | 0.0731 | 1.8    | 1.00 - 5.00             |
| 8N-00062        | 40117     | Ac-227       | -0.18 UJ  | 0.25   | 0.0871 | 0.217  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Am-241       | 0.0086    | 0.0058 | 0.0043 | 0.0454 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Bi-212       | 0.989 J   | 0.375  | 0.265  | 2.15   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Bi-214       | 0.995     | 0.0426 | 0.0549 | 1.59   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00062        | 40117     | Cd-113m      | 71.9 U    | 183    | 57.2   | 3030   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Cm-243/244   | 0.0022    | 0.0059 | 0.0022 | 0.0443 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Co-60        | 0.0027 U  | 0.0309 | 0.0088 | 0.028  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Cs-134       | -0.0034 U | 0.0275 | 0.0093 | 0.0864 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Cs-137       | 0.0097 U  | 0.0304 | 0.009  | 0.207  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Eu-152       | -0.0258 U | 0.0666 | 0.0228 | 0.0566 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Eu-154       | -0.0154 U | 0.159  | 0.0478 | 0.15   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Eu-155       | 0.0739 JS | 0.0878 | 0.0368 | 0.231  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Ho-166m      | 0.0016 U  | 0.0428 | 0.0124 | 0.0432 | 0.00 - 0.50             |
| 8N-00062        | 40117     | K-40         | 20.1      | 0.21   | 1.17   | 32.4   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Na-22        | -0.0061 U | 0.0392 | 0.0116 | 0.037  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Nb-94        | 0.0171 JS | 0.0251 | 0.008  | 0.0214 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Ni-59        | -0.806 U  | 3.58   | 1.05   | 5.96   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Ni-63        | 0.175 U   | 1.2    | 0.358  | 4.92   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Np-236       | -0.0234 U | 0.0446 | 0.0149 | 0.047  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Np-239       | 0.0153 U  | 0.169  | 0.0495 | 0.139  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Pa-231       | -0.238 U  | 1.05   | 0.343  | 0.936  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Pb-212       | 1.71      | 0.0532 | 0.102  | 2.69   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Pb-214       | 1.07      | 0.0484 | 0.054  | 1.7    | 0.00 - 0.50             |
| 8N-00062        | 40117     | Pm-147       | 5.06      | 7.33   | 2.3    | 17.5   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Pu-238       | 0         | 0.0062 | 0.0023 | 0.0415 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Pu-239/240   | 0.0092    | 0.0062 | 0.0046 | 0.0404 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Pu-244       | 0.0092    | 0.0062 | 0.0046 | 0.0313 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Sb-125       | 0.0148 U  | 0.0753 | 0.0225 | 0.354  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Sn-126       | -0.0004 U | 0.0253 | 0.0074 | 0.0237 | 0.00 - 0.50             |
| 8N-00062        | 40117     | Sr-90        | 0.0831 U  | 0.206  | 0.0622 | 0.485  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Tc-99        | 0.258 U   | 1.06   | 0.32   | 1.63   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Th-228       | 1.56 J    | 0.154  | 0.174  | 3.98   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Th-229       | 0.0419    | 0.0624 | 0.0232 | 0.145  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Th-230       | 0.963     | 0.0771 | 0.115  | 2.2    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00062        | 40117     | Th-232       | 1.19       | 0.0264 | 0.131  | 3.1    | 0.00 - 0.50             |
| 8N-00062        | 40117     | Th-234       | 1.48 J     | 0.343  | 0.188  | 3.19   | 0.00 - 0.50             |
| 8N-00062        | 40117     | Tl-208       | 0.52       | 0.0331 | 0.0346 | 0.937  | 0.00 - 0.50             |
| 8N-00062        | 40117     | Tm-171       | -5.37 U    | 18.7   | 6.43   | 72.4   | 0.00 - 0.50             |
| 8N-00062        | 40117     | U-233/234    | 0.682      | 0.0411 | 0.0781 | 2.02   | 0.00 - 0.50             |
| 8N-00062        | 40117     | U-235/236    | 0.0275     | 0.041  | 0.0153 | 0.151  | 0.00 - 0.50             |
| 8N-00062        | 40117     | U-238        | 0.933      | 0.0332 | 0.0977 | 1.8    | 0.00 - 0.50             |
| 8N-00062        | 40118     | Ac-227       | -0.0208 U  | 0.187  | 0.0549 | 0.217  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Am-241       | 0.0031 U   | 0.0152 | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Bi-212       | 1.05       | 0.161  | 0.0985 | 2.15   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Bi-214       | 0.862      | 0.0296 | 0.0425 | 1.59   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Cd-113m      | -16.9 U    | 123    | 37.6   | 3030   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Cm-243/244   | -0.0022 U  | 0.0245 | 0.0049 | 0.0443 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Co-60        | -0.0041 U  | 0.0184 | 0.0054 | 0.028  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Cs-134       | 0.0068 U   | 0.0181 | 0.0063 | 0.0864 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Cs-137       | -0.0058 U  | 0.0171 | 0.0052 | 0.207  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Eu-152       | -0.0036 UJ | 0.0443 | 0.0149 | 0.0566 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Eu-154       | 0.0157 U   | 0.095  | 0.0384 | 0.15   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Eu-155       | 0.124 JS   | 0.0651 | 0.0278 | 0.231  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Ho-166m      | -0.0045 U  | 0.027  | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8N-00062        | 40118     | K-40         | 17.9       | 0.139  | 1.02   | 32.4   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Na-22        | -0.0066 U  | 0.0239 | 0.0075 | 0.037  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Nb-94        | 0.0008 U   | 0.0154 | 0.0044 | 0.0214 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Ni-59        | -3.09 U    | 4.99   | 1.67   | 5.96   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Ni-63        | -0.128 U   | 1.5    | 0.445  | 4.92   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Np-236       | -0.0165 U  | 0.0334 | 0.0111 | 0.047  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Np-239       | -0.0021 U  | 0.122  | 0.0354 | 0.139  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Pa-231       | 0.3 U      | 0.769  | 0.26   | 0.936  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Pb-212       | 1.59       | 0.0399 | 0.0967 | 2.69   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Pb-214       | 0.951      | 0.0308 | 0.0479 | 1.7    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00062        | 40118     | Pm-147       | 4.16      | 7.57   | 2.35   | 17.5   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Pu-238       | 0.0033 U  | 0.0168 | 0.0043 | 0.0415 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Pu-239/240   | -0.0003 U | 0.0192 | 0.004  | 0.0404 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Pu-244       | 0.0112    | 0.0135 | 0.0054 | 0.0313 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Sb-125       | -0.0009 U | 0.0484 | 0.0144 | 0.354  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Sn-126       | -0.0017 U | 0.0168 | 0.0049 | 0.0237 | 1.00 - 5.00             |
| 8N-00062        | 40118     | Sr-90        | 0.035 U   | 0.132  | 0.0381 | 0.485  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Tc-99        | 0.781     | 1.45   | 0.445  | 1.63   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Th-228       | 1.3 J     | 0.338  | 0.176  | 3.98   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Th-229       | 0.0436 UJ | 0.114  | 0.0339 | 0.145  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Th-230       | 0.766     | 0.0937 | 0.1    | 2.2    | 1.00 - 5.00             |
| 8N-00062        | 40118     | Th-232       | 1.14      | 0.0235 | 0.128  | 3.1    | 1.00 - 5.00             |
| 8N-00062        | 40118     | Th-234       | 1.37      | 0.27   | 0.137  | 3.19   | 1.00 - 5.00             |
| 8N-00062        | 40118     | Tl-208       | 0.464     | 0.0197 | 0.0277 | 0.937  | 1.00 - 5.00             |
| 8N-00062        | 40118     | Tm-171       | -1.42 U   | 12.9   | 4.34   | 72.4   | 1.00 - 5.00             |
| 8N-00062        | 40118     | U-233/234    | 0.57      | 0.0367 | 0.0714 | 2.02   | 1.00 - 5.00             |
| 8N-00062        | 40118     | U-235/236    | 0.0143    | 0.0193 | 0.0101 | 0.151  | 1.00 - 5.00             |
| 8N-00062        | 40118     | U-238        | 0.688     | 0.0367 | 0.0811 | 1.8    | 1.00 - 5.00             |
| 8N-00063        | 40119     | Ac-227       | -0.0115 U | 0.181  | 0.0556 | 0.217  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Am-241       | 0.0007 U  | 0.0162 | 0.0031 | 0.0454 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Bi-212       | 1.05      | 0.155  | 0.0991 | 2.15   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Bi-214       | 0.911     | 0.0296 | 0.0437 | 1.59   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Cd-113m      | 63.6 J    | 122    | 39.5   | 3030   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Cm-243/244   | 0.0093    | 0.0205 | 0.0064 | 0.0443 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Co-60        | -0.0049 U | 0.0176 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Cs-134       | 0.0018 U  | 0.0178 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Cs-137       | 0.0265    | 0.0156 | 0.0077 | 0.207  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Eu-152       | -0.0217 U | 0.0446 | 0.0146 | 0.0566 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Eu-154       | -0.0381 U | 0.0981 | 0.031  | 0.15   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Eu-155       | 0.0727 JS | 0.0656 | 0.0332 | 0.231  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00063        | 40119     | Ho-166m      | -0.0075 U | 0.0248 | 0.0079 | 0.0432 | 0.00 - 0.50             |
| 8N-00063        | 40119     | K-40         | 20.3      | 0.122  | 1.16   | 32.4   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Na-22        | 0.004 UJ  | 0.0248 | 0.0074 | 0.037  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Nb-94        | 0.0069 U  | 0.015  | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Ni-59        | -1.81 U   | 3.18   | 1.04   | 5.96   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Ni-63        | 0.284 U   | 1.1    | 0.332  | 4.92   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Np-236       | 0.0008 U  | 0.0328 | 0.0096 | 0.047  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Np-239       | -0.0568 U | 0.116  | 0.0384 | 0.139  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Pa-231       | 0.0711 U  | 0.726  | 0.223  | 0.936  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Pb-212       | 1.64      | 0.0392 | 0.0987 | 2.69   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Pb-214       | 1.01      | 0.0315 | 0.0485 | 1.7    | 0.00 - 0.50             |
| 8N-00063        | 40119     | Pm-147       | 3.61      | 6.99   | 2.16   | 17.5   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Pu-238       | -0.0024 U | 0.0394 | 0.0095 | 0.0415 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Pu-239/240   | 0.0007 U  | 0.0168 | 0.0033 | 0.0404 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Pu-244       | 0.0053    | 0.0072 | 0.0037 | 0.0313 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Sb-125       | 0.0222 U  | 0.0492 | 0.015  | 0.354  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Sn-126       | -0.0039 U | 0.0165 | 0.0051 | 0.0237 | 0.00 - 0.50             |
| 8N-00063        | 40119     | Sr-90        | 0.0449 U  | 0.217  | 0.0628 | 0.485  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Tc-99        | -0.383 U  | 1.67   | 0.483  | 1.63   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Th-228       | 1.28      | 0.167  | 0.136  | 3.98   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Th-229       | 0.0397    | 0.0932 | 0.0281 | 0.145  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Th-230       | 1.06      | 0.0613 | 0.105  | 2.2    | 0.00 - 0.50             |
| 8N-00063        | 40119     | Th-232       | 1.03      | 0.0484 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8N-00063        | 40119     | Th-234       | 1.32 J    | 0.256  | 0.145  | 3.19   | 0.00 - 0.50             |
| 8N-00063        | 40119     | Tl-208       | 0.517     | 0.0192 | 0.0303 | 0.937  | 0.00 - 0.50             |
| 8N-00063        | 40119     | Tm-171       | 2.95 U    | 15.2   | 5.26   | 72.4   | 0.00 - 0.50             |
| 8N-00063        | 40119     | U-233/234    | 0.723     | 0.0445 | 0.0838 | 2.02   | 0.00 - 0.50             |
| 8N-00063        | 40119     | U-235/236    | 0.0438    | 0.0444 | 0.0194 | 0.151  | 0.00 - 0.50             |
| 8N-00063        | 40119     | U-238        | 0.814     | 0.036  | 0.0909 | 1.8    | 0.00 - 0.50             |
| 8N-00063        | 40120     | Ac-227       | -0.0362   | 0.229  | 0.0713 | 0.217  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00063        | 40120     | Am-241       | -0.001   | 0.0371 | 0.0085 | 0.0454 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Bi-212       | 0.797    | 0.188  | 0.0967 | 2.15   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Bi-214       | 0.918    | 0.0338 | 0.0469 | 1.59   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Cd-113m      | -22.2    | 158    | 49.2   | 3030   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Cm-243/244   | 0.0069   | 0.0325 | 0.0086 | 0.0443 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Co-60        | -0.005   | 0.0216 | 0.0065 | 0.028  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Cs-134       | 0.0046   | 0.0199 | 0.0066 | 0.0864 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Cs-137       | -0.0108  | 0.0192 | 0.0073 | 0.207  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Eu-152       | -0.0108  | 0.0578 | 0.0212 | 0.0566 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Eu-154       | 0.0374   | 0.123  | 0.0369 | 0.15   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Eu-155       | 0.0058   | 0.0906 | 0.0268 | 0.231  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Ho-166m      | -0.0069  | 0.0324 | 0.0097 | 0.0432 | 1.00 - 5.00             |
| 8N-00063        | 40120     | K-40         | 17.9     | 0.155  | 1.13   | 32.4   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Na-22        | -0.0144  | 0.0269 | 0.0089 | 0.037  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Nb-94        | -0.0015  | 0.018  | 0.0053 | 0.0214 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Ni-59        | -1.1     | 5.25   | 1.55   | 5.96   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Ni-63        | -0.0791  | 1.34   | 0.397  | 4.92   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Np-236       | -0.0075  | 0.045  | 0.0135 | 0.047  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Np-239       | -0.0725  | 0.152  | 0.0503 | 0.139  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Pa-231       | 0.14     | 0.971  | 0.311  | 0.936  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Pb-212       | 1.57     | 0.0466 | 0.105  | 2.69   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Pb-214       | 1.07     | 0.0392 | 0.0556 | 1.7    | 1.00 - 5.00             |
| 8N-00063        | 40120     | Pm-147       | 0.0434   | 7.04   | 2.05   | 17.5   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Pu-238       | 0.004    | 0.0054 | 0.0028 | 0.0415 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Pu-239/240   | 0.002    | 0.0054 | 0.002  | 0.0404 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Pu-244       | 0.004    | 0.0054 | 0.0028 | 0.0313 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Sb-125       | 0.0476   | 0.0611 | 0.0207 | 0.354  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Sn-126       | 0.0004   | 0.0204 | 0.0059 | 0.0237 | 1.00 - 5.00             |
| 8N-00063        | 40120     | Sr-90        | 0.22     | 0.237  | 0.0797 | 0.485  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Tc-99        | -0.648   | 1.62   | 0.458  | 1.63   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00063        | 40120     | Th-228       | 1.25       | 0.0988 | 0.154  | 3.98   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Th-229       | 0.0223     | 0.0822 | 0.0224 | 0.145  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Th-230       | 0.836      | 0.104  | 0.113  | 2.2    | 1.00 - 5.00             |
| 8N-00063        | 40120     | Th-232       | 0.967      | 0.0301 | 0.121  | 3.1    | 1.00 - 5.00             |
| 8N-00063        | 40120     | Th-234       | 1.3        | 0.46   | 0.347  | 3.19   | 1.00 - 5.00             |
| 8N-00063        | 40120     | Tl-208       | 0.496      | 0.0229 | 0.0298 | 0.937  | 1.00 - 5.00             |
| 8N-00063        | 40120     | Tm-171       | -17        | 25.6   | 8.61   | 72.4   | 1.00 - 5.00             |
| 8N-00063        | 40120     | U-233/234    | 0.778      | 0.045  | 0.0884 | 2.02   | 1.00 - 5.00             |
| 8N-00063        | 40120     | U-235/236    | 0.0847     | 0.0191 | 0.0252 | 0.151  | 1.00 - 5.00             |
| 8N-00063        | 40120     | U-238        | 0.976      | 0.0517 | 0.104  | 1.8    | 1.00 - 5.00             |
| 8N-00064        | 40121     | Ac-227       | 0.007 U    | 0.199  | 0.0598 | 0.217  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Am-241       | 0.0017 U   | 0.0292 | 0.0071 | 0.0454 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Bi-212       | 0.997      | 0.175  | 0.0956 | 2.15   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Bi-214       | 0.886      | 0.0335 | 0.0441 | 1.59   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Cd-113m      | 46.9 U     | 137    | 47.7   | 3030   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Cm-243/244   | -0.003 U   | 0.0231 | 0.0041 | 0.0443 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Co-60        | 0.002 U    | 0.0202 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Cs-134       | 0.0028 U   | 0.0199 | 0.0067 | 0.0864 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Cs-137       | 0.0207     | 0.0193 | 0.0072 | 0.207  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Eu-152       | 0.0167 U   | 0.0519 | 0.0214 | 0.0566 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Eu-154       | -0.0825 UJ | 0.104  | 0.0373 | 0.15   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Eu-155       | 0.0753 JS  | 0.0781 | 0.0285 | 0.231  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Ho-166m      | -0.0005 U  | 0.0285 | 0.0085 | 0.0432 | 0.00 - 0.50             |
| 8N-00064        | 40121     | K-40         | 19.2       | 0.145  | 1.08   | 32.4   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Na-22        | -0.012 UJ  | 0.0265 | 0.0085 | 0.037  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Nb-94        | 0.0004 U   | 0.0163 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Ni-59        | -0.806 U   | 3.54   | 1.01   | 5.96   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Ni-63        | 0.172 U    | 1.11   | 0.334  | 4.92   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Np-236       | -0.0112 U  | 0.0377 | 0.0115 | 0.047  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Np-239       | 0.0256 U   | 0.133  | 0.0402 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00064        | 40121     | Pa-231       | -0.0812 U  | 0.837  | 0.254  | 0.936  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Pb-212       | 1.61       | 0.0413 | 0.095  | 2.69   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Pb-214       | 1.03       | 0.0353 | 0.0503 | 1.7    | 0.00 - 0.50             |
| 8N-00064        | 40121     | Pm-147       | 1.59 U     | 7.48   | 2.24   | 17.5   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Pu-238       | 0.0008 UJ  | 0.0186 | 0.0036 | 0.0415 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Pu-239/240   | 0.0058     | 0.0079 | 0.0041 | 0.0404 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Pu-244       | -0.0042 UJ | 0.0229 | 0.0041 | 0.0313 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Sb-125       | 0.0123 U   | 0.0557 | 0.0162 | 0.354  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Sn-126       | 0.0037 U   | 0.0182 | 0.0054 | 0.0237 | 0.00 - 0.50             |
| 8N-00064        | 40121     | Sr-90        | -0.0294 U  | 0.208  | 0.0549 | 0.485  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Tc-99        | -0.478 U   | 1.37   | 0.389  | 1.63   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Th-228       | 1.38       | 0.129  | 0.14   | 3.98   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Th-229       | 0.075      | 0.0502 | 0.025  | 0.145  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Th-230       | 0.905      | 0.0501 | 0.0953 | 2.2    | 0.00 - 0.50             |
| 8N-00064        | 40121     | Th-232       | 1.1        | 0.073  | 0.109  | 3.1    | 0.00 - 0.50             |
| 8N-00064        | 40121     | Th-234       | 1.46 J     | 0.291  | 0.156  | 3.19   | 0.00 - 0.50             |
| 8N-00064        | 40121     | Tl-208       | 0.501      | 0.0214 | 0.0305 | 0.937  | 0.00 - 0.50             |
| 8N-00064        | 40121     | Tm-171       | -3.22 U    | 15.9   | 5.65   | 72.4   | 0.00 - 0.50             |
| 8N-00064        | 40121     | U-233/234    | 0.733      | 0.0143 | 0.0823 | 2.02   | 0.00 - 0.50             |
| 8N-00064        | 40121     | U-235/236    | 0.0523     | 0.0177 | 0.0189 | 0.151  | 0.00 - 0.50             |
| 8N-00064        | 40121     | U-238        | 0.825      | 0.0143 | 0.0897 | 1.8    | 0.00 - 0.50             |
| 8N-00064        | 40122     | Ac-227       | 0.0507 U   | 0.204  | 0.063  | 0.217  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Am-241       | 0.0006 U   | 0.0136 | 0.0026 | 0.0454 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Bi-212       | 1.22       | 0.2    | 0.115  | 2.15   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Bi-214       | 0.991      | 0.0375 | 0.0525 | 1.59   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Cd-113m      | 5.12 U     | 135    | 41.5   | 3030   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Cm-243/244   | 0.0072     | 0.0139 | 0.0047 | 0.0443 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Co-60        | 0.0073 U   | 0.0253 | 0.0071 | 0.028  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Cs-134       | 0.0052 U   | 0.0233 | 0.0079 | 0.0864 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Cs-137       | -0.0174 UJ | 0.0224 | 0.0083 | 0.207  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00064        | 40122     | Eu-152       | 0.0133 U   | 0.0558 | 0.0163 | 0.0566 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Eu-154       | -0.0072 U  | 0.143  | 0.0422 | 0.15   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Eu-155       | 0.0685 JS  | 0.0642 | 0.0244 | 0.231  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Ho-166m      | 0.0014 U   | 0.034  | 0.0097 | 0.0432 | 1.00 - 5.00             |
| 8N-00064        | 40122     | K-40         | 19         | 0.188  | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Na-22        | -0.0032 U  | 0.0322 | 0.0093 | 0.037  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Nb-94        | 0.002 U    | 0.0197 | 0.0056 | 0.0214 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Ni-59        | -0.398 U   | 3.72   | 1.06   | 5.96   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Ni-63        | 0.455 U    | 1.46   | 0.443  | 4.92   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Np-236       | -0.0068 U  | 0.0309 | 0.0093 | 0.047  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Np-239       | -0.0912 UJ | 0.123  | 0.0444 | 0.139  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Pa-231       | -0.176 U   | 0.829  | 0.262  | 0.936  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Pb-212       | 1.64       | 0.0396 | 0.0928 | 2.69   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Pb-214       | 1.1        | 0.0381 | 0.0526 | 1.7    | 1.00 - 5.00             |
| 8N-00064        | 40122     | Pm-147       | -3.57 U    | 7.08   | 1.98   | 17.5   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Pu-238       | -0.004 U   | 0.022  | 0.004  | 0.0415 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Pu-239/240   | 0.0008 U   | 0.0177 | 0.0034 | 0.0404 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Pu-244       | 0.0111     | 0.0075 | 0.0056 | 0.0313 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Sb-125       | 0.0077 U   | 0.0617 | 0.018  | 0.354  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Sn-126       | 0.0086 U   | 0.0232 | 0.0068 | 0.0237 | 1.00 - 5.00             |
| 8N-00064        | 40122     | Sr-90        | -0.0183 U  | 0.126  | 0.031  | 0.485  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Tc-99        | -0.237 U   | 1.02   | 0.301  | 1.63   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Th-228       | 1.6 J      | 0.139  | 0.177  | 3.98   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Th-229       | 0.0041 U   | 0.112  | 0.0264 | 0.145  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Th-230       | 0.883      | 0.0278 | 0.11   | 2.2    | 1.00 - 5.00             |
| 8N-00064        | 40122     | Th-232       | 1.12       | 0.0277 | 0.128  | 3.1    | 1.00 - 5.00             |
| 8N-00064        | 40122     | Th-234       | 1.21 J     | 0.226  | 0.123  | 3.19   | 1.00 - 5.00             |
| 8N-00064        | 40122     | Tl-208       | 0.527      | 0.0255 | 0.0322 | 0.937  | 1.00 - 5.00             |
| 8N-00064        | 40122     | Tm-171       | 2.57 U     | 8.78   | 2.84   | 72.4   | 1.00 - 5.00             |
| 8N-00064        | 40122     | U-233/234    | 0.892      | 0.04   | 0.0939 | 2.02   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00064        | 40122     | U-235/236    | 0.0627     | 0.017  | 0.0203 | 0.151  | 1.00 - 5.00             |
| 8N-00064        | 40122     | U-238        | 0.772      | 0.0323 | 0.0844 | 1.8    | 1.00 - 5.00             |
| 8N-00065        | 40123     | Ac-227       | -0.0118 U  | 0.176  | 0.0533 | 0.217  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Am-241       | 0.0047     | 0.0132 | 0.0039 | 0.0454 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Bi-212       | 0.996      | 0.145  | 0.0939 | 2.15   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Bi-214       | 0.851      | 0.0271 | 0.041  | 1.59   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Cd-113m      | -15.7 U    | 117    | 41     | 3030   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Cm-243/244   | -0.0015 U  | 0.0135 | 0.0026 | 0.0443 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Co-60        | -0.0046 U  | 0.0173 | 0.0053 | 0.028  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Cs-134       | 0.0047 U   | 0.0168 | 0.0057 | 0.0864 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Cs-137       | 0.0254     | 0.0158 | 0.0068 | 0.207  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Eu-152       | -0.0238 U  | 0.0441 | 0.0161 | 0.0566 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Eu-154       | -0.0134 U  | 0.0964 | 0.0285 | 0.15   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Eu-155       | 0.0852 JS  | 0.0623 | 0.0248 | 0.231  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Ho-166m      | -0.0081 U  | 0.0244 | 0.0077 | 0.0432 | 0.00 - 0.50             |
| 8N-00065        | 40123     | K-40         | 19.2       | 0.125  | 1.15   | 32.4   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Na-22        | 0.0018 U   | 0.0221 | 0.0065 | 0.037  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Nb-94        | 0.0094 J   | 0.015  | 0.0049 | 0.0214 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Ni-59        | 0.757 U    | 5.88   | 1.52   | 5.96   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Ni-63        | -0.462 U   | 1.35   | 0.4    | 4.92   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Np-236       | -0.0054 UJ | 0.0324 | 0.0099 | 0.047  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Np-239       | -0.0173 U  | 0.116  | 0.0354 | 0.139  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Pa-231       | -0.156 U   | 0.729  | 0.226  | 0.936  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Pb-212       | 1.52       | 0.036  | 0.0937 | 2.69   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Pb-214       | 0.936      | 0.0307 | 0.0471 | 1.7    | 0.00 - 0.50             |
| 8N-00065        | 40123     | Pm-147       | -0.965 U   | 6.89   | 2      | 17.5   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Pu-238       | 0.0008 U   | 0.0171 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Pu-239/240   | 0.0114     | 0.017  | 0.0063 | 0.0404 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Pu-244       | 0.0022 U   | 0.0241 | 0.0057 | 0.0313 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Sb-125       | 0.0212 U   | 0.0462 | 0.0141 | 0.354  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00065        | 40123     | Sn-126       | -0.0027 U  | 0.0149 | 0.0046 | 0.0237 | 0.00 - 0.50             |
| 8N-00065        | 40123     | Sr-90        | 0.0886 U   | 0.176  | 0.0546 | 0.485  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Tc-99        | 0.483 U    | 1.5    | 0.452  | 1.63   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Th-228       | 1.41       | 0.11   | 0.133  | 3.98   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Th-229       | 0.0233     | 0.0158 | 0.0117 | 0.145  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Th-230       | 0.739      | 0.0541 | 0.079  | 2.2    | 0.00 - 0.50             |
| 8N-00065        | 40123     | Th-232       | 1.06       | 0.0427 | 0.0994 | 3.1    | 0.00 - 0.50             |
| 8N-00065        | 40123     | Th-234       | 1.39       | 0.249  | 0.129  | 3.19   | 0.00 - 0.50             |
| 8N-00065        | 40123     | Tl-208       | 0.469      | 0.0169 | 0.0269 | 0.937  | 0.00 - 0.50             |
| 8N-00065        | 40123     | Tm-171       | 0.114 U    | 12.4   | 4.34   | 72.4   | 0.00 - 0.50             |
| 8N-00065        | 40123     | U-233/234    | 0.657      | 0.0418 | 0.0767 | 2.02   | 0.00 - 0.50             |
| 8N-00065        | 40123     | U-235/236    | 0.0102 U   | 0.0517 | 0.0132 | 0.151  | 0.00 - 0.50             |
| 8N-00065        | 40123     | U-238        | 0.765      | 0.0338 | 0.085  | 1.8    | 0.00 - 0.50             |
| 8N-00065        | 40124     | Ac-227       | 0.0433 U   | 0.255  | 0.0753 | 0.217  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Am-241       | 0.0012 U   | 0.0268 | 0.0052 | 0.0454 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Bi-212       | 0.994 J    | 0.268  | 0.259  | 2.15   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Bi-214       | 0.693      | 0.0358 | 0.0394 | 1.59   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Cd-113m      | -68.6 U    | 174    | 62.9   | 3030   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Cm-243/244   | 0.0005 U   | 0.0431 | 0.0097 | 0.0443 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Co-60        | -0.0034 U  | 0.0212 | 0.0062 | 0.028  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Cs-134       | 0.0518 SJ  | 0.0259 | 0.0146 | 0.0864 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Cs-137       | -0.0007 U  | 0.0207 | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Eu-152       | 0.0226 U   | 0.0619 | 0.0357 | 0.0566 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Eu-154       | 0.0356 U   | 0.121  | 0.042  | 0.15   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Eu-155       | 0.0033 U   | 0.101  | 0.0305 | 0.231  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Ho-166m      | -0.0057 U  | 0.0311 | 0.0094 | 0.0432 | 1.00 - 5.00             |
| 8N-00065        | 40124     | K-40         | 15.7       | 0.16   | 1.03   | 32.4   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Na-22        | -0.0326 LU | 0.0258 | 0.0113 | 0.037  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Nb-94        | 0.0107 SK  | 0.0186 | 0.0059 | 0.0214 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Ni-59        | -4.34 UJ   | 3.03   | 1.46   | 5.96   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00065        | 40124     | Ni-63        | 0.356 U   | 1.03   | 0.312  | 4.92   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Np-236       | 0.01 U    | 0.0509 | 0.0156 | 0.047  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Np-239       | -0.09 U   | 0.171  | 0.0616 | 0.139  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Pa-231       | -0.469 U  | 1.03   | 0.392  | 0.936  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Pb-212       | 1.75      | 0.0516 | 0.131  | 2.69   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Pb-214       | 0.797     | 0.0427 | 0.0484 | 1.7    | 1.00 - 5.00             |
| 8N-00065        | 40124     | Pm-147       | -0.624 U  | 5.77   | 1.68   | 17.5   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Pu-238       | 0.0142    | 0.0276 | 0.0093 | 0.0415 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Pu-239/240   | -0.0062 U | 0.034  | 0.0062 | 0.0404 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Pu-244       | -0.0031 U | 0.0275 | 0.0053 | 0.0313 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Sb-125       | -0.0069 U | 0.0625 | 0.0186 | 0.354  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Sn-126       | -0.0073 U | 0.0198 | 0.0063 | 0.0237 | 1.00 - 5.00             |
| 8N-00065        | 40124     | Sr-90        | 0.0899    | 0.134  | 0.0437 | 0.485  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Tc-99        | -0.259 U  | 1.46   | 0.428  | 1.63   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Th-228       | 1.06      | 0.106  | 0.121  | 3.98   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Th-229       | -0.0024 U | 0.1    | 0.0239 | 0.145  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Th-230       | 0.945     | 0.0663 | 0.102  | 2.2    | 1.00 - 5.00             |
| 8N-00065        | 40124     | Th-232       | 0.841     | 0.0202 | 0.094  | 3.1    | 1.00 - 5.00             |
| 8N-00065        | 40124     | Th-234       | 0.836 J   | 0.493  | 0.259  | 3.19   | 1.00 - 5.00             |
| 8N-00065        | 40124     | Tl-208       | 0.445     | 0.0235 | 0.0291 | 0.937  | 1.00 - 5.00             |
| 8N-00065        | 40124     | Tm-171       | 7.52 U    | 29.8   | 9.84   | 72.4   | 1.00 - 5.00             |
| 8N-00065        | 40124     | U-233/234    | 0.702     | 0.0335 | 0.0797 | 2.02   | 1.00 - 5.00             |
| 8N-00065        | 40124     | U-235/236    | 0.0455    | 0.0176 | 0.0175 | 0.151  | 1.00 - 5.00             |
| 8N-00065        | 40124     | U-238        | 0.758     | 0.0335 | 0.0842 | 1.8    | 1.00 - 5.00             |
| 8N-00065        | 40262     | Ac-227       | -0.0929 U | 0.19   | 0.0622 | 0.217  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Am-241       | 0.0065 U  | 0.0281 | 0.0077 | 0.0454 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Bi-212       | 0.903     | 0.161  | 0.0868 | 2.15   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Bi-214       | 0.802     | 0.0311 | 0.0405 | 1.59   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Cd-113m      | -19.7 U   | 127    | 40.2   | 3030   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Cm-243/244   | 0.001 U   | 0.0268 | 0.0063 | 0.0443 | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00065        | 40262     | Co-60        | -0.0075 U | 0.0192 | 0.0061 | 0.028  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Cs-134       | 0.0043 U  | 0.0183 | 0.0062 | 0.0864 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Cs-137       | -0.0069 U | 0.0177 | 0.0056 | 0.207  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Eu-152       | -0.001 U  | 0.0468 | 0.0163 | 0.0566 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Eu-154       | -0.046 U  | 0.101  | 0.032  | 0.15   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Eu-155       | 0.0963 SJ | 0.0689 | 0.0302 | 0.231  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Ho-166m      | 0.0138 U  | 0.0289 | 0.0089 | 0.0432 | 1.00 - 5.00             |
| 8N-00065        | 40262     | K-40         | 16.2      | 0.133  | 0.916  | 32.4   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Na-22        | 0.0072 U  | 0.0255 | 0.0074 | 0.037  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Nb-94        | -0.0004 U | 0.016  | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Ni-59        | -2.19 U   | 3.57   | 1.18   | 5.96   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Ni-63        | 0.0982 U  | 0.885  | 0.265  | 4.92   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Np-236       | 0.0052 U  | 0.0359 | 0.0109 | 0.047  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Np-239       | 0.0132 U  | 0.127  | 0.0379 | 0.139  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Pa-231       | 0.266 U   | 0.82   | 0.26   | 0.936  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Pb-212       | 1.45      | 0.0383 | 0.0857 | 2.69   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Pb-214       | 0.861     | 0.0342 | 0.0429 | 1.7    | 1.00 - 5.00             |
| 8N-00065        | 40262     | Pm-147       | 1.75 U    | 5.72   | 1.72   | 17.5   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Pu-238       | -0.0019 U | 0.034  | 0.0062 | 0.0415 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Pu-239/240   | 0.0129    | 0.0116 | 0.0075 | 0.0404 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Pu-244       | 0.0129    | 0.0116 | 0.0075 | 0.0313 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Sb-125       | 0.0122 U  | 0.0519 | 0.0151 | 0.354  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Sn-126       | 0.0001 U  | 0.0177 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8N-00065        | 40262     | Sr-90        | 0.0248 U  | 0.178  | 0.051  | 0.485  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Tc-99        | -0.259 U  | 1.46   | 0.428  | 1.63   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Th-228       | 1.54      | 0.0949 | 0.149  | 3.98   | 1.00 - 5.00             |
| 8N-00065        | 40262     | Th-229       | -0.0142 U | 0.0855 | 0.0174 | 0.145  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Th-230       | 0.682     | 0.0523 | 0.0809 | 2.2    | 1.00 - 5.00             |
| 8N-00065        | 40262     | Th-232       | 0.977     | 0.0192 | 0.101  | 3.1    | 1.00 - 5.00             |
| 8N-00065        | 40262     | Th-234       | 1.46 J    | 0.282  | 0.153  | 3.19   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00065        | 40262     | Tl-208       | 0.425     | 0.0212 | 0.0267 | 0.937  | 1.00 - 5.00             |
| 8N-00065        | 40262     | Tm-171       | -7.1 U    | 14.8   | 5.5    | 72.4   | 1.00 - 5.00             |
| 8N-00065        | 40262     | U-233/234    | 0.23      | 0.0949 | 0.0513 | 2.02   | 1.00 - 5.00             |
| 8N-00065        | 40262     | U-235/236    | 0.0587    | 0.0909 | 0.0313 | 0.151  | 1.00 - 5.00             |
| 8N-00065        | 40262     | U-238        | 0.291     | 0.0735 | 0.0552 | 1.8    | 1.00 - 5.00             |
| 8N-00066        | 40125     | Ac-227       | -0.0167 U | 0.255  | 0.0751 | 0.217  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Am-241       | 0.0044 U  | 0.0348 | 0.0092 | 0.0454 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Bi-212       | 1.17 J    | 0.262  | 0.132  | 2.15   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Bi-214       | 0.958     | 0.0437 | 0.0512 | 1.59   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Cd-113m      | 34.4 U    | 175    | 51.6   | 3030   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Cm-243/244   | 0.0057    | 0.0159 | 0.0047 | 0.0443 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Co-60        | 0.0007 U  | 0.0287 | 0.0082 | 0.028  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Cs-134       | 0.002 U   | 0.0267 | 0.0088 | 0.0864 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Cs-137       | 0.014 U   | 0.0297 | 0.009  | 0.207  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Eu-152       | 0.0078 U  | 0.0663 | 0.0223 | 0.0566 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Eu-154       | -0.0374 U | 0.151  | 0.0466 | 0.15   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Eu-155       | 0.068 JS  | 0.0887 | 0.0309 | 0.231  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Ho-166m      | 0.0036 U  | 0.0413 | 0.012  | 0.0432 | 0.00 - 0.50             |
| 8N-00066        | 40125     | K-40         | 18.8      | 0.207  | 1.1    | 32.4   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Na-22        | -0.0062 U | 0.0373 | 0.011  | 0.037  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Nb-94        | 0.0014 U  | 0.0237 | 0.0069 | 0.0214 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Ni-59        | -2.77 UJ  | 2.92   | 1.14   | 5.96   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Ni-63        | -0.173 U  | 0.937  | 0.275  | 4.92   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Np-236       | -0.0236 U | 0.0427 | 0.0144 | 0.047  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Np-239       | -0.0811 U | 0.164  | 0.0525 | 0.139  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Pa-231       | 0.0928 U  | 1.03   | 0.326  | 0.936  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Pb-212       | 1.66      | 0.0519 | 0.0994 | 2.69   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Pb-214       | 1.04      | 0.0442 | 0.0535 | 1.7    | 0.00 - 0.50             |
| 8N-00066        | 40125     | Pm-147       | 2.21 U    | 6.88   | 2.07   | 17.5   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Pu-238       | -0.0066 U | 0.0275 | 0.0048 | 0.0415 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00066        | 40125     | Pu-239/240   | 0.0082     | 0.016  | 0.0054 | 0.0404 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Pu-244       | 0.0107     | 0.016  | 0.0059 | 0.0313 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Sb-125       | 0.0236 U   | 0.0731 | 0.0221 | 0.354  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Sn-126       | -0.0032 U  | 0.0253 | 0.0074 | 0.0237 | 0.00 - 0.50             |
| 8N-00066        | 40125     | Sr-90        | 0.0533 U   | 0.243  | 0.0708 | 0.485  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Tc-99        | -0.443 U   | 1.09   | 0.318  | 1.63   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Th-228       | 1.66 J     | 0.204  | 0.194  | 3.98   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Th-229       | 0.0262 UJ  | 0.119  | 0.0321 | 0.145  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Th-230       | 0.796      | 0.0296 | 0.107  | 2.2    | 0.00 - 0.50             |
| 8N-00066        | 40125     | Th-232       | 1.2        | 0.0295 | 0.139  | 3.1    | 0.00 - 0.50             |
| 8N-00066        | 40125     | Th-234       | 1.67 J     | 0.424  | 0.44   | 3.19   | 0.00 - 0.50             |
| 8N-00066        | 40125     | Tl-208       | 0.524      | 0.0294 | 0.035  | 0.937  | 0.00 - 0.50             |
| 8N-00066        | 40125     | Tm-171       | -7.8 U     | 18.5   | 5.89   | 72.4   | 0.00 - 0.50             |
| 8N-00066        | 40125     | U-233/234    | 0.756      | 0.0322 | 0.0829 | 2.02   | 0.00 - 0.50             |
| 8N-00066        | 40125     | U-235/236    | 0.075      | 0.0169 | 0.0223 | 0.151  | 0.00 - 0.50             |
| 8N-00066        | 40125     | U-238        | 0.736      | 0.0399 | 0.0815 | 1.8    | 0.00 - 0.50             |
| 8N-00067        | 40127     | Ac-227       | -0.0274 U  | 0.175  | 0.0541 | 0.217  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Am-241       | 0.0021     | 0.0057 | 0.0021 | 0.0454 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Bi-212       | 0.904      | 0.147  | 0.0839 | 2.15   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Bi-214       | 0.831      | 0.027  | 0.0403 | 1.59   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Cd-113m      | 68.9 J     | 119    | 39     | 3030   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Cm-243/244   | -0.0046 U  | 0.0194 | 0.0034 | 0.0443 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Co-60        | 0.0007 U   | 0.0192 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Cs-134       | 0.0069 U   | 0.017  | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Cs-137       | 0.0381     | 0.0181 | 0.007  | 0.207  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Eu-152       | -0.0382 UJ | 0.0413 | 0.0162 | 0.0566 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Eu-154       | -0.106 UJ  | 0.0913 | 0.0385 | 0.15   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Eu-155       | 0.0843 JS  | 0.0644 | 0.0288 | 0.231  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Ho-166m      | -0.0046 U  | 0.0242 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00067        | 40127     | K-40         | 19.4       | 0.127  | 1.11   | 32.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00067        | 40127     | Na-22        | -0.0068 U  | 0.0215 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Nb-94        | 0.0059 U   | 0.0146 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Ni-59        | 0.805 U    | 5.1    | 1.4    | 5.96   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Ni-63        | -0.294 U   | 1.39   | 0.413  | 4.92   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Np-236       | -0.0121 UJ | 0.0315 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Np-239       | 0.028 U    | 0.114  | 0.0348 | 0.139  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Pa-231       | 0.0487 U   | 0.731  | 0.224  | 0.936  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Pb-212       | 1.55       | 0.0343 | 0.0932 | 2.69   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Pb-214       | 0.939      | 0.0307 | 0.0461 | 1.7    | 0.00 - 0.50             |
| 8N-00067        | 40127     | Pm-147       | 0.909 U    | 5.85   | 1.74   | 17.5   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Pu-238       | 0.0087 UJ  | 0.0548 | 0.0144 | 0.0415 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Pu-239/240   | 0.0144     | 0.028  | 0.0094 | 0.0404 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Pu-244       | 0.0132     | 0.0119 | 0.0077 | 0.0313 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Sb-125       | 0.0024 U   | 0.0463 | 0.0135 | 0.354  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Sn-126       | 0.0015 U   | 0.0162 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00067        | 40127     | Sr-90        | 0.0101 U   | 0.162  | 0.0439 | 0.485  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Tc-99        | -0.693 U   | 1.8    | 0.514  | 1.63   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Th-228       | 1.45       | 0.0905 | 0.132  | 3.98   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Th-229       | 0.116      | 0.0512 | 0.0283 | 0.145  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Th-230       | 0.846      | 0.0405 | 0.0839 | 2.2    | 0.00 - 0.50             |
| 8N-00067        | 40127     | Th-232       | 1.07       | 0.0148 | 0.0979 | 3.1    | 0.00 - 0.50             |
| 8N-00067        | 40127     | Th-234       | 1.41 J     | 0.257  | 0.145  | 3.19   | 0.00 - 0.50             |
| 8N-00067        | 40127     | Tl-208       | 0.448      | 0.0185 | 0.0267 | 0.937  | 0.00 - 0.50             |
| 8N-00067        | 40127     | Tm-171       | 2.53 U     | 14.5   | 4.99   | 72.4   | 0.00 - 0.50             |
| 8N-00067        | 40127     | U-233/234    | 0.712      | 0.0652 | 0.0853 | 2.02   | 0.00 - 0.50             |
| 8N-00067        | 40127     | U-235/236    | 0.0148     | 0.02   | 0.0105 | 0.151  | 0.00 - 0.50             |
| 8N-00067        | 40127     | U-238        | 0.677      | 0.0381 | 0.0814 | 1.8    | 0.00 - 0.50             |
| 8N-00067        | 40128     | Ac-227       | -0.0341 U  | 0.167  | 0.0522 | 0.217  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Am-241       | 0.0054     | 0.0073 | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Bi-212       | 0.876      | 0.139  | 0.0844 | 2.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00067        | 40128     | Bi-214       | 0.741      | 0.0253 | 0.0374 | 1.59   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Cd-113m      | 21.7 U     | 114    | 34.8   | 3030   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Cm-243/244   | 0.0027     | 0.0074 | 0.0028 | 0.0443 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Co-60        | -0.0074 U  | 0.0171 | 0.0056 | 0.028  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Cs-134       | -0.0002 UJ | 0.015  | 0.0051 | 0.0864 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Cs-137       | 0.0157 J   | 0.0164 | 0.0063 | 0.207  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Eu-152       | -0.0294 UJ | 0.0415 | 0.0142 | 0.0566 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Eu-154       | -0.0212 U  | 0.0913 | 0.0276 | 0.15   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Eu-155       | 0.0844 JS  | 0.061  | 0.0247 | 0.231  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Ho-166m      | -0.0171 UJ | 0.0218 | 0.0081 | 0.0432 | 1.00 - 5.00             |
| 8N-00067        | 40128     | K-40         | 16.7       | 0.121  | 0.958  | 32.4   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Na-22        | -0.0186 UJ | 0.0198 | 0.0078 | 0.037  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Nb-94        | -0.0009 U  | 0.0133 | 0.004  | 0.0214 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Ni-59        | 0.419 U    | 5.48   | 1.42   | 5.96   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Ni-63        | 0.487 U    | 1.27   | 0.388  | 4.92   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Np-236       | -0.0168 U  | 0.0305 | 0.0099 | 0.047  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Np-239       | 0.0316 U   | 0.111  | 0.0343 | 0.139  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Pa-231       | 0.0429 U   | 0.692  | 0.212  | 0.936  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Pb-212       | 1.48       | 0.0351 | 0.0888 | 2.69   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Pb-214       | 0.862      | 0.0289 | 0.0425 | 1.7    | 1.00 - 5.00             |
| 8N-00067        | 40128     | Pm-147       | 1.11 U     | 5.68   | 1.69   | 17.5   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Pu-238       | 0.0087     | 0.0213 | 0.0065 | 0.0415 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Pu-239/240   | 0.0058 UJ  | 0.0268 | 0.0071 | 0.0404 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Pu-244       | 0.0029 UJ  | 0.0212 | 0.005  | 0.0313 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Sb-125       | 0.0091 U   | 0.0441 | 0.0129 | 0.354  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Sn-126       | -0.0008 U  | 0.0152 | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8N-00067        | 40128     | Sr-90        | -0.0077 U  | 0.222  | 0.0608 | 0.485  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Tc-99        | 0.0065 U   | 1.48   | 0.437  | 1.63   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Th-228       | 1.3        | 0.11   | 0.132  | 3.98   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Th-229       | 0.0207 U   | 0.076  | 0.0212 | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00067        | 40128     | Th-230       | 0.655     | 0.109  | 0.0814 | 2.2    | 1.00 - 5.00             |
| 8N-00067        | 40128     | Th-232       | 0.999     | 0.0179 | 0.1    | 3.1    | 1.00 - 5.00             |
| 8N-00067        | 40128     | Th-234       | 1.12 J    | 0.257  | 0.125  | 3.19   | 1.00 - 5.00             |
| 8N-00067        | 40128     | Tl-208       | 0.463     | 0.0171 | 0.0269 | 0.937  | 1.00 - 5.00             |
| 8N-00067        | 40128     | Tm-171       | -7.1 U    | 13.3   | 4.98   | 72.4   | 1.00 - 5.00             |
| 8N-00067        | 40128     | U-233/234    | 0.767     | 0.0491 | 0.0863 | 2.02   | 1.00 - 5.00             |
| 8N-00067        | 40128     | U-235/236    | 0.0038 U  | 0.0529 | 0.0117 | 0.151  | 1.00 - 5.00             |
| 8N-00067        | 40128     | U-238        | 0.715     | 0.0491 | 0.0821 | 1.8    | 1.00 - 5.00             |
| 8N-00068        | 40129     | Ac-227       | -0.0654 U | 0.195  | 0.0614 | 0.217  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Am-241       | 0.0036 U  | 0.0179 | 0.0047 | 0.0454 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Bi-212       | 1.12 J    | 0.165  | 0.12   | 2.15   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Bi-214       | 0.921     | 0.0338 | 0.0451 | 1.59   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Cd-113m      | -26.7 U   | 134    | 42.7   | 3030   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Cm-243/244   | -0.0024 U | 0.0183 | 0.0032 | 0.0443 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Co-60        | 0.0027 U  | 0.0201 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Cs-134       | 0.0166 JS | 0.0207 | 0.0077 | 0.0864 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Cs-137       | 0.0297    | 0.0175 | 0.0081 | 0.207  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Eu-152       | 0.0085 U  | 0.0509 | 0.0177 | 0.0566 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Eu-154       | -0.0104 U | 0.109  | 0.0319 | 0.15   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Eu-155       | 0.14 JS   | 0.0724 | 0.0377 | 0.231  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Ho-166m      | 0.0011 U  | 0.0276 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00068        | 40129     | K-40         | 19.9      | 0.13   | 1.12   | 32.4   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Na-22        | -0.006 U  | 0.0255 | 0.0077 | 0.037  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Nb-94        | 0.0091 JS | 0.0163 | 0.0051 | 0.0214 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Ni-59        | -0.349 U  | 3.44   | 0.971  | 5.96   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Ni-63        | -0.11 U   | 1.02   | 0.3    | 4.92   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Np-236       | 0.0064 U  | 0.0375 | 0.0114 | 0.047  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Np-239       | 0.0284 U  | 0.134  | 0.0406 | 0.139  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Pa-231       | 0.156 U   | 0.82   | 0.283  | 0.936  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Pb-212       | 1.63      | 0.042  | 0.0961 | 2.69   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00068        | 40129     | Pb-214       | 1.04       | 0.0356 | 0.0496 | 1.7    | 0.00 - 0.50             |
| 8N-00068        | 40129     | Pm-147       | 2.88 U     | 7.07   | 2.15   | 17.5   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Pu-238       | 0.0061     | 0.0055 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Pu-239/240   | 0.0046     | 0.0129 | 0.0038 | 0.0404 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Pu-244       | 0.0092 J   | 0.0159 | 0.0054 | 0.0313 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Sb-125       | 0.0439 JS  | 0.0557 | 0.0187 | 0.354  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Sn-126       | 0.0104 J   | 0.0186 | 0.0059 | 0.0237 | 0.00 - 0.50             |
| 8N-00068        | 40129     | Sr-90        | 0.081 U    | 0.174  | 0.0533 | 0.485  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Tc-99        | -0.633 U   | 1.15   | 0.333  | 1.63   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Th-228       | 1.76 J     | 0.197  | 0.194  | 3.98   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Th-229       | 0.097      | 0.0801 | 0.0358 | 0.145  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Th-230       | 0.995      | 0.0645 | 0.12   | 2.2    | 0.00 - 0.50             |
| 8N-00068        | 40129     | Th-232       | 1.22       | 0.11   | 0.138  | 3.1    | 0.00 - 0.50             |
| 8N-00068        | 40129     | Th-234       | 1.47 J     | 0.294  | 0.158  | 3.19   | 0.00 - 0.50             |
| 8N-00068        | 40129     | Tl-208       | 0.513      | 0.0214 | 0.0311 | 0.937  | 0.00 - 0.50             |
| 8N-00068        | 40129     | Tm-171       | -10.4 U    | 15.4   | 6.01   | 72.4   | 0.00 - 0.50             |
| 8N-00068        | 40129     | U-233/234    | 0.807      | 0.0479 | 0.0887 | 2.02   | 0.00 - 0.50             |
| 8N-00068        | 40129     | U-235/236    | 0.0346     | 0.0417 | 0.0169 | 0.151  | 0.00 - 0.50             |
| 8N-00068        | 40129     | U-238        | 0.955      | 0.0337 | 0.0999 | 1.8    | 0.00 - 0.50             |
| 8N-00068        | 40130     | Ac-227       | -0.0595 U  | 0.203  | 0.0626 | 0.217  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Am-241       | 0.0014 UJ  | 0.0387 | 0.0091 | 0.0454 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Bi-212       | 0.936 J    | 0.26   | 0.236  | 2.15   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Bi-214       | 0.785      | 0.0319 | 0.0402 | 1.59   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Cd-113m      | -56.5 U    | 135    | 44.3   | 3030   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Cm-243/244   | 0.0041 UJ  | 0.0364 | 0.009  | 0.0443 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Co-60        | 0.0128 J   | 0.0216 | 0.0066 | 0.028  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Cs-134       | -0.0029 UJ | 0.0182 | 0.0063 | 0.0864 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Cs-137       | -0.0098 U  | 0.0178 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Eu-152       | -0.0007 U  | 0.0516 | 0.0168 | 0.0566 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Eu-154       | -0.0136 U  | 0.112  | 0.0327 | 0.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00068        | 40130     | Eu-155       | 0.0443 JS | 0.0774 | 0.0255 | 0.231  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Ho-166m      | -0.0135 U | 0.0263 | 0.0087 | 0.0432 | 1.00 - 5.00             |
| 8N-00068        | 40130     | K-40         | 15.8      | 0.153  | 0.987  | 32.4   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Na-22        | -0.0162 U | 0.025  | 0.0087 | 0.037  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Nb-94        | 0.0058 U  | 0.017  | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Ni-59        | -6.86 R   | 3.66   | 2.08   | 5.96   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Ni-63        | 0.316 U   | 1.16   | 0.351  | 4.92   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Np-236       | -0.0088 U | 0.0377 | 0.0118 | 0.047  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Np-239       | -0.0355 U | 0.133  | 0.0406 | 0.139  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Pa-231       | 0.221 U   | 0.838  | 0.271  | 0.936  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Pb-212       | 1.38      | 0.0419 | 0.0904 | 2.69   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Pb-214       | 0.863     | 0.0348 | 0.0445 | 1.7    | 1.00 - 5.00             |
| 8N-00068        | 40130     | Pm-147       | 1.33 U    | 5.56   | 1.66   | 17.5   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Pu-238       | 0.0024 U  | 0.0216 | 0.0053 | 0.0415 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Pu-239/240   | 0         | 0.0058 | 0.0021 | 0.0404 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Pu-244       | 0.0043    | 0.0058 | 0.003  | 0.0313 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Sb-125       | 0.0032 U  | 0.0517 | 0.0156 | 0.354  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Sn-126       | -0.003 U  | 0.0182 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00068        | 40130     | Sr-90        | 0.0929 U  | 0.2    | 0.0613 | 0.485  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Tc-99        | -0.575 U  | 1.5    | 0.433  | 1.63   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Th-228       | 1.17      | 0.109  | 0.127  | 3.98   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Th-229       | 0.0517    | 0.0795 | 0.0268 | 0.145  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Th-230       | 0.788     | 0.0542 | 0.0901 | 2.2    | 1.00 - 5.00             |
| 8N-00068        | 40130     | Th-232       | 1.01      | 0.0199 | 0.105  | 3.1    | 1.00 - 5.00             |
| 8N-00068        | 40130     | Th-234       | 1.32 J    | 0.303  | 0.17   | 3.19   | 1.00 - 5.00             |
| 8N-00068        | 40130     | Tl-208       | 0.444     | 0.021  | 0.0276 | 0.937  | 1.00 - 5.00             |
| 8N-00068        | 40130     | Tm-171       | -3 U      | 19     | 6.46   | 72.4   | 1.00 - 5.00             |
| 8N-00068        | 40130     | U-233/234    | 0.577     | 0.0487 | 0.0707 | 2.02   | 1.00 - 5.00             |
| 8N-00068        | 40130     | U-235/236    | 0.0199    | 0.018  | 0.0116 | 0.151  | 1.00 - 5.00             |
| 8N-00068        | 40130     | U-238        | 0.661     | 0.0146 | 0.0768 | 1.8    | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00069        | 40131     | Ac-227       | -0.009 U   | 0.161  | 0.0492 | 0.217  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Am-241       | 0.0027 U   | 0.0132 | 0.0033 | 0.0454 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Bi-212       | 0.832 J    | 0.252  | 0.221  | 2.15   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Bi-214       | 0.812      | 0.0279 | 0.0409 | 1.59   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Cd-113m      | 16.6 U     | 107    | 34.3   | 3030   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Cm-243/244   | 0.0043     | 0.0058 | 0.003  | 0.0443 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Co-60        | 0.0005 U   | 0.0177 | 0.0051 | 0.028  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Cs-134       | -0.0014 U  | 0.0167 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Cs-137       | 0.0236     | 0.0164 | 0.0077 | 0.207  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Eu-152       | -0.0072 U  | 0.0403 | 0.0144 | 0.0566 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Eu-154       | -0.0844 UJ | 0.0965 | 0.0366 | 0.15   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Eu-155       | 0.0607 JS  | 0.0495 | 0.0205 | 0.231  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Ho-166m      | -0.0162 U  | 0.0255 | 0.0086 | 0.0432 | 0.00 - 0.50             |
| 8N-00069        | 40131     | K-40         | 17.2       | 0.125  | 0.937  | 32.4   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Na-22        | -0.0091 U  | 0.0245 | 0.0076 | 0.037  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Nb-94        | -0.0004 U  | 0.0153 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Ni-59        | 0.541 U    | 3.44   | 0.892  | 5.96   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Ni-63        | -0.0797 U  | 1.37   | 0.403  | 4.92   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Np-236       | -0.0077 U  | 0.0256 | 0.0077 | 0.047  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Np-239       | 0.0716 J   | 0.103  | 0.0347 | 0.139  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Pa-231       | 0.131 U    | 0.658  | 0.213  | 0.936  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Pb-212       | 1.46       | 0.0326 | 0.0821 | 2.69   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Pb-214       | 0.851      | 0.0287 | 0.0424 | 1.7    | 0.00 - 0.50             |
| 8N-00069        | 40131     | Pm-147       | 0.266 U    | 6.72   | 1.97   | 17.5   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Pu-238       | 0.001 UJ   | 0.023  | 0.0045 | 0.0415 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Pu-239/240   | 0.001 UJ   | 0.0229 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Pu-244       | 0.002 UJ   | 0.0283 | 0.0063 | 0.0313 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Sb-125       | -0.0003 U  | 0.0454 | 0.0133 | 0.354  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Sn-126       | 0 U        | 0.0168 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00069        | 40131     | Sr-90        | 0.0998 U   | 0.286  | 0.0858 | 0.485  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00069        | 40131     | Tc-99        | 0.077 U    | 1.08   | 0.322  | 1.63   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Th-228       | 1.76 J     | 0.345  | 0.222  | 3.98   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Th-229       | 0.0477 UJ  | 0.118  | 0.0355 | 0.145  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Th-230       | 1.17       | 0.0979 | 0.142  | 2.2    | 0.00 - 0.50             |
| 8N-00069        | 40131     | Th-232       | 1.27       | 0.0292 | 0.149  | 3.1    | 0.00 - 0.50             |
| 8N-00069        | 40131     | Th-234       | 1.32 J     | 0.181  | 0.134  | 3.19   | 0.00 - 0.50             |
| 8N-00069        | 40131     | Tl-208       | 0.473      | 0.0187 | 0.0295 | 0.937  | 0.00 - 0.50             |
| 8N-00069        | 40131     | Tm-171       | -1.54 U    | 6.9    | 2.39   | 72.4   | 0.00 - 0.50             |
| 8N-00069        | 40131     | U-233/234    | 0.639      | 0.0343 | 0.0753 | 2.02   | 0.00 - 0.50             |
| 8N-00069        | 40131     | U-235/236    | 0.0399     | 0.018  | 0.0166 | 0.151  | 0.00 - 0.50             |
| 8N-00069        | 40131     | U-238        | 0.819      | 0.0343 | 0.0898 | 1.8    | 0.00 - 0.50             |
| 8N-00069        | 40132     | Ac-227       | 0.0539 U   | 0.181  | 0.0554 | 0.217  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Am-241       | 0.0065 U   | 0.0283 | 0.0077 | 0.0454 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Bi-212       | 0.876 J    | 0.139  | 0.0877 | 2.15   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Bi-214       | 0.705      | 0.0269 | 0.0354 | 1.59   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Cd-113m      | 3.48 U     | 119    | 40.9   | 3030   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Cm-243/244   | -0.0029 U  | 0.0224 | 0.004  | 0.0443 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Co-60        | -0.0013 U  | 0.0175 | 0.0051 | 0.028  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Cs-134       | -0.0033 UJ | 0.0157 | 0.0055 | 0.0864 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Cs-137       | -0.0144 UJ | 0.0159 | 0.006  | 0.207  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Eu-152       | 0 U        | 0.0448 | 0.0156 | 0.0566 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Eu-154       | 0.0085 U   | 0.099  | 0.0283 | 0.15   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Eu-155       | 0.0591 JS  | 0.066  | 0.0281 | 0.231  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Ho-166m      | -0.0115 U  | 0.0244 | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8N-00069        | 40132     | K-40         | 15.4       | 0.121  | 0.87   | 32.4   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Na-22        | -0.0072 U  | 0.0208 | 0.0065 | 0.037  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Nb-94        | 0.0026 U   | 0.0144 | 0.0043 | 0.0214 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Ni-59        | 0.154 U    | 2.41   | 0.652  | 5.96   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Ni-63        | 0.532 U    | 1.18   | 0.363  | 4.92   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Np-236       | 0.001 U    | 0.0333 | 0.0101 | 0.047  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00069        | 40132     | Np-239       | 0.0408 U   | 0.118  | 0.0361 | 0.139  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Pa-231       | 0.0186 U   | 0.725  | 0.226  | 0.936  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Pb-212       | 1.39       | 0.0341 | 0.0817 | 2.69   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Pb-214       | 0.783      | 0.0301 | 0.0387 | 1.7    | 1.00 - 5.00             |
| 8N-00069        | 40132     | Pm-147       | 0.223      | 5.88   | 1.73   | 17.5   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Pu-238       | -0.0018 UJ | 0.0161 | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Pu-239/240   | 0.0032 UJ  | 0.016  | 0.004  | 0.0404 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Pu-244       | 0          | 0.0068 | 0.0025 | 0.0313 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Sb-125       | 0.0196 U   | 0.0476 | 0.0143 | 0.354  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Sn-126       | -0.005 U   | 0.0154 | 0.0048 | 0.0237 | 1.00 - 5.00             |
| 8N-00069        | 40132     | Sr-90        | -0.0353 U  | 0.27   | 0.0746 | 0.485  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Tc-99        | -0.23 U    | 1.51   | 0.442  | 1.63   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Th-228       | 1.44 J     | 0.149  | 0.155  | 3.98   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Th-229       | 0.0344     | 0.0799 | 0.0244 | 0.145  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Th-230       | 0.695      | 0.0632 | 0.0889 | 2.2    | 1.00 - 5.00             |
| 8N-00069        | 40132     | Th-232       | 1.03       | 0.0921 | 0.115  | 3.1    | 1.00 - 5.00             |
| 8N-00069        | 40132     | Th-234       | 1.14 J     | 0.256  | 0.136  | 3.19   | 1.00 - 5.00             |
| 8N-00069        | 40132     | Tl-208       | 0.417      | 0.0194 | 0.025  | 0.937  | 1.00 - 5.00             |
| 8N-00069        | 40132     | Tm-171       | 0.218 U    | 13.4   | 4.67   | 72.4   | 1.00 - 5.00             |
| 8N-00069        | 40132     | U-233/234    | 0.624      | 0.0622 | 0.075  | 2.02   | 1.00 - 5.00             |
| 8N-00069        | 40132     | U-235/236    | 0.0527     | 0.0178 | 0.019  | 0.151  | 1.00 - 5.00             |
| 8N-00069        | 40132     | U-238        | 0.753      | 0.0339 | 0.0842 | 1.8    | 1.00 - 5.00             |
| 8N-00070        | 40133     | Ac-227       | -0.021 U   | 0.201  | 0.0623 | 0.217  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Am-241       | 0.0101     | 0.0122 | 0.0049 | 0.0454 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Bi-212       | 1.21 J     | 0.201  | 0.145  | 2.15   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Bi-214       | 1.04       | 0.0367 | 0.0517 | 1.59   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Cd-113m      | 53.7 U     | 135    | 42.6   | 3030   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Cm-243/244   | 0.0039     | 0.0053 | 0.0028 | 0.0443 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Co-60        | 0.0047 U   | 0.0254 | 0.0072 | 0.028  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Cs-134       | -0.0011 U  | 0.0224 | 0.0077 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00070        | 40133     | Cs-137       | 0.0239    | 0.0224 | 0.0082 | 0.207  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Eu-152       | -0.0064 U | 0.0531 | 0.0161 | 0.0566 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Eu-154       | -0.0378 U | 0.135  | 0.0414 | 0.15   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Eu-155       | 0.076 JS  | 0.0605 | 0.0246 | 0.231  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Ho-166m      | 0.0167 JS | 0.0347 | 0.0104 | 0.0432 | 0.00 - 0.50             |
| 8N-00070        | 40133     | K-40         | 20.1      | 0.18   | 1.11   | 32.4   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Na-22        | -0.0051 U | 0.032  | 0.0094 | 0.037  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Nb-94        | 0.0119 J  | 0.0207 | 0.0064 | 0.0214 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Ni-59        | -1.17 U   | 3.79   | 1.11   | 5.96   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Ni-63        | -0.0858 U | 1.35   | 0.404  | 4.92   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Np-236       | -0.0037 U | 0.0313 | 0.0093 | 0.047  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Np-239       | -0.086 U  | 0.125  | 0.0443 | 0.139  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Pa-231       | 0.244 U   | 0.829  | 0.258  | 0.936  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Pb-212       | 1.66      | 0.0426 | 0.0939 | 2.69   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Pb-214       | 1.07      | 0.0354 | 0.0506 | 1.7    | 0.00 - 0.50             |
| 8N-00070        | 40133     | Pm-147       | 4.72      | 8.01   | 2.5    | 17.5   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Pu-238       | 0.0046    | 0.0063 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Pu-239/240   | -0.0004 U | 0.0209 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Pu-244       | 0.0053    | 0.0147 | 0.0043 | 0.0313 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Sb-125       | 0.0117 U  | 0.0592 | 0.0174 | 0.354  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Sn-126       | 0.0075 U  | 0.0233 | 0.0068 | 0.0237 | 0.00 - 0.50             |
| 8N-00070        | 40133     | Sr-90        | 0.0001 U  | 0.127  | 0.0331 | 0.485  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Tc-99        | -0.129 U  | 1.31   | 0.382  | 1.63   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Th-228       | 1.5       | 0.0806 | 0.129  | 3.98   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Th-229       | 0.0635    | 0.0454 | 0.0205 | 0.145  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Th-230       | 0.794     | 0.0525 | 0.0777 | 2.2    | 0.00 - 0.50             |
| 8N-00070        | 40133     | Th-232       | 0.977     | 0.0358 | 0.0887 | 3.1    | 0.00 - 0.50             |
| 8N-00070        | 40133     | Th-234       | 1.23 J    | 0.216  | 0.124  | 3.19   | 0.00 - 0.50             |
| 8N-00070        | 40133     | Tl-208       | 0.515     | 0.0271 | 0.0322 | 0.937  | 0.00 - 0.50             |
| 8N-00070        | 40133     | Tm-171       | -0.462 U  | 8.8    | 2.81   | 72.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00070        | 40133     | U-233/234    | 0.686      | 0.0181 | 0.0851 | 2.02   | 0.00 - 0.50             |
| 8N-00070        | 40133     | U-235/236    | 0.0082     | 0.0223 | 0.0083 | 0.151  | 0.00 - 0.50             |
| 8N-00070        | 40133     | U-238        | 0.808      | 0.0424 | 0.0956 | 1.8    | 0.00 - 0.50             |
| 8N-00070        | 40134     | Ac-227       | 0.273 J    | 0.225  | 0.0921 | 0.217  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Am-241       | 0.0086     | 0.0078 | 0.005  | 0.0454 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Bi-212       | 0.926 J    | 0.169  | 0.0985 | 2.15   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Bi-214       | 0.861      | 0.0314 | 0.043  | 1.59   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Cd-113m      | 70.3 U     | 148    | 48.7   | 3030   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Cm-243/244   | 0.0075 UJ  | 0.0232 | 0.0066 | 0.0443 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Co-60        | 0.0083 U   | 0.0204 | 0.006  | 0.028  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Cs-134       | -0.0007 U  | 0.0187 | 0.0064 | 0.0864 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Cs-137       | 0.0114 J   | 0.0183 | 0.0065 | 0.207  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Eu-152       | -0.0552 UJ | 0.0517 | 0.0225 | 0.0566 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Eu-154       | 0.0126 U   | 0.101  | 0.0334 | 0.15   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Eu-155       | 0.0707 JS  | 0.0842 | 0.0298 | 0.231  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Ho-166m      | -0.0135 U  | 0.0264 | 0.0087 | 0.0432 | 1.00 - 5.00             |
| 8N-00070        | 40134     | K-40         | 18.2       | 0.149  | 1.12   | 32.4   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Na-22        | -0.002 U   | 0.0251 | 0.0074 | 0.037  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Nb-94        | 0.0016 U   | 0.0156 | 0.0046 | 0.0214 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Ni-59        | -2.96 UJ   | 4.16   | 1.45   | 5.96   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Ni-63        | -0.225 U   | 1.37   | 0.405  | 4.92   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Np-236       | -0.0155 U  | 0.0402 | 0.0126 | 0.047  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Np-239       | 0.0099 U   | 0.144  | 0.0437 | 0.139  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Pa-231       | 0.211 U    | 0.872  | 0.306  | 0.936  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Pb-212       | 1.64       | 0.0453 | 0.101  | 2.69   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Pb-214       | 0.966      | 0.0359 | 0.048  | 1.7    | 1.00 - 5.00             |
| 8N-00070        | 40134     | Pm-147       | 1.57 U     | 6.81   | 2.04   | 17.5   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Pu-238       | -0.0046 U  | 0.0194 | 0.0034 | 0.0415 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Pu-239/240   | -0.0019 U  | 0.0214 | 0.0043 | 0.0404 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Pu-244       | 0.0128     | 0.0058 | 0.0053 | 0.0313 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00070        | 40134     | Sb-125       | 0.0286 JS | 0.0556 | 0.0172 | 0.354  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Sn-126       | -0.0041 U | 0.0174 | 0.0053 | 0.0237 | 1.00 - 5.00             |
| 8N-00070        | 40134     | Sr-90        | 0.022 U   | 0.17   | 0.0479 | 0.485  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Tc-99        | 0.0247 U  | 1.47   | 0.429  | 1.63   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Th-228       | 1.54 J    | 0.171  | 0.16   | 3.98   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Th-229       | 0.0153 U  | 0.1    | 0.0265 | 0.145  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Th-230       | 0.833     | 0.0207 | 0.0948 | 2.2    | 1.00 - 5.00             |
| 8N-00070        | 40134     | Th-232       | 1.12      | 0.0206 | 0.115  | 3.1    | 1.00 - 5.00             |
| 8N-00070        | 40134     | Th-234       | 1.46 J    | 0.321  | 0.174  | 3.19   | 1.00 - 5.00             |
| 8N-00070        | 40134     | Tl-208       | 0.483     | 0.0212 | 0.0287 | 0.937  | 1.00 - 5.00             |
| 8N-00070        | 40134     | Tm-171       | -5.13 U   | 19.7   | 6.74   | 72.4   | 1.00 - 5.00             |
| 8N-00070        | 40134     | U-233/234    | 0.638     | 0.036  | 0.0766 | 2.02   | 1.00 - 5.00             |
| 8N-00070        | 40134     | U-235/236    | 0.007     | 0.0189 | 0.007  | 0.151  | 1.00 - 5.00             |
| 8N-00070        | 40134     | U-238        | 0.761     | 0.0446 | 0.0868 | 1.8    | 1.00 - 5.00             |
| 8N-00071        | 40135     | Ac-227       | 0.0498 U  | 0.192  | 0.0588 | 0.217  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Am-241       | 0.0064    | 0.0124 | 0.0041 | 0.0454 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Bi-212       | 1.07      | 0.152  | 0.0972 | 2.15   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Bi-214       | 0.995     | 0.0298 | 0.0468 | 1.59   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Cd-113m      | -8.88 U   | 127    | 38.7   | 3030   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Cm-243/244   | -0.0003 U | 0.018  | 0.0038 | 0.0443 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Co-60        | 0.0133 J  | 0.0199 | 0.0064 | 0.028  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Cs-134       | -0.002 U  | 0.018  | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Cs-137       | 0.131     | 0.0166 | 0.01   | 0.207  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Eu-152       | -0.012 U  | 0.047  | 0.0161 | 0.0566 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Eu-154       | 0.0009 U  | 0.0998 | 0.0338 | 0.15   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Eu-155       | 0.069 JS  | 0.0685 | 0.0267 | 0.231  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Ho-166m      | 0.0024 U  | 0.0259 | 0.0077 | 0.0432 | 0.00 - 0.50             |
| 8N-00071        | 40135     | K-40         | 23.8      | 0.128  | 1.42   | 32.4   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Na-22        | 0.0053 U  | 0.0242 | 0.0083 | 0.037  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Nb-94        | 0.0086 JS | 0.0154 | 0.0049 | 0.0214 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00071        | 40135     | Ni-59        | 1.93 J    | 4.1    | 1.13   | 5.96   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Ni-63        | -0.068 U  | 1.3    | 0.385  | 4.92   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Np-236       | -0.0181 U | 0.0344 | 0.0114 | 0.047  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Np-239       | -0.0085 U | 0.125  | 0.0377 | 0.139  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Pa-231       | -0.216 U  | 0.771  | 0.251  | 0.936  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Pb-212       | 1.57      | 0.0389 | 0.097  | 2.69   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Pb-214       | 1.08      | 0.0334 | 0.0533 | 1.7    | 0.00 - 0.50             |
| 8N-00071        | 40135     | Pm-147       | 1.94 U    | 7.05   | 2.11   | 17.5   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Pu-238       | -0.0041 U | 0.0221 | 0.0039 | 0.0415 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Pu-239/240   | 0.0044    | 0.0059 | 0.0031 | 0.0404 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Pu-244       | 0.0131    | 0.0059 | 0.0054 | 0.0313 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Sb-125       | 0.0046 U  | 0.0512 | 0.0149 | 0.354  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Sn-126       | 0.0031 U  | 0.0166 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00071        | 40135     | Sr-90        | 0.0856 U  | 0.199  | 0.0605 | 0.485  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Tc-99        | -0.503 U  | 1.11   | 0.325  | 1.63   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Th-228       | 1.43 J    | 0.194  | 0.174  | 3.98   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Th-229       | 0.0058 UJ | 0.0819 | 0.0181 | 0.145  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Th-230       | 1.03      | 0.0281 | 0.124  | 2.2    | 0.00 - 0.50             |
| 8N-00071        | 40135     | Th-232       | 1.19      | 0.028  | 0.136  | 3.1    | 0.00 - 0.50             |
| 8N-00071        | 40135     | Th-234       | 1.34 J    | 0.27   | 0.136  | 3.19   | 0.00 - 0.50             |
| 8N-00071        | 40135     | Tl-208       | 0.488     | 0.0202 | 0.0286 | 0.937  | 0.00 - 0.50             |
| 8N-00071        | 40135     | Tm-171       | -2.76 U   | 13.8   | 4.88   | 72.4   | 0.00 - 0.50             |
| 8N-00071        | 40135     | U-233/234    | 0.913     | 0.0528 | 0.1    | 2.02   | 0.00 - 0.50             |
| 8N-00071        | 40135     | U-235/236    | 0.0793    | 0.0195 | 0.0246 | 0.151  | 0.00 - 0.50             |
| 8N-00071        | 40135     | U-238        | 0.933     | 0.0158 | 0.101  | 1.8    | 0.00 - 0.50             |
| 8N-00071        | 40136     | Ac-227       | 0.0067    | 0.197  | 0.0579 | 0.217  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Am-241       | 0.0035    | 0.0179 | 0.0046 | 0.0454 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Bi-212       | 1.06      | 0.164  | 0.103  | 2.15   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Bi-214       | 1.02      | 0.0303 | 0.0492 | 1.59   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Cd-113m      | 50.1      | 133    | 41.6   | 3030   | 1.00 - 2.75             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00071        | 40136     | Cm-243/244   | 0.0012   | 0.0317 | 0.0079 | 0.0443 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Co-60        | 0.0037   | 0.021  | 0.0062 | 0.028  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Cs-134       | 0.0028   | 0.018  | 0.006  | 0.0864 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Cs-137       | 0.0018   | 0.0192 | 0.0057 | 0.207  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Eu-152       | -0.0281  | 0.0469 | 0.0169 | 0.0566 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Eu-154       | -0.0644  | 0.103  | 0.0346 | 0.15   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Eu-155       | 0.0848   | 0.0706 | 0.0275 | 0.231  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Ho-166m      | -0.0065  | 0.0276 | 0.0084 | 0.0432 | 1.00 - 2.75             |
| 8N-00071        | 40136     | K-40         | 22.7     | 0.141  | 1.39   | 32.4   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Na-22        | -0.0054  | 0.0262 | 0.008  | 0.037  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Nb-94        | 0.0064   | 0.0165 | 0.005  | 0.0214 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Ni-59        | 1.73     | 5.29   | 1.46   | 5.96   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Ni-63        | -0.329   | 1.29   | 0.38   | 4.92   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Np-236       | -0.0183  | 0.0358 | 0.0118 | 0.047  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Np-239       | -0.0665  | 0.124  | 0.0401 | 0.139  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Pa-231       | 0.242    | 0.803  | 0.272  | 0.936  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Pb-212       | 1.59     | 0.0388 | 0.0956 | 2.69   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Pb-214       | 1.11     | 0.034  | 0.0535 | 1.7    | 1.00 - 2.75             |
| 8N-00071        | 40136     | Pm-147       | 1.05     | 6.95   | 2.05   | 17.5   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Pu-238       | -0.0009  | 0.0166 | 0.003  | 0.0415 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Pu-239/240   | 0.0033   | 0.0166 | 0.0042 | 0.0404 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Pu-244       | 0.0168   | 0.0057 | 0.006  | 0.0313 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Sb-125       | 0.0345   | 0.0522 | 0.0173 | 0.354  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Sn-126       | -0.0022  | 0.0176 | 0.0053 | 0.0237 | 1.00 - 2.75             |
| 8N-00071        | 40136     | Sr-90        | 0.158    | 0.288  | 0.0895 | 0.485  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Tc-99        | 0.249    | 1.58   | 0.469  | 1.63   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Th-228       | 1.46     | 0.0833 | 0.145  | 3.98   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Th-229       | 0        | 0.097  | 0.0234 | 0.145  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Th-230       | 0.878    | 0.02   | 0.0961 | 2.2    | 1.00 - 2.75             |
| 8N-00071        | 40136     | Th-232       | 1.09     | 0.0542 | 0.111  | 3.1    | 1.00 - 2.75             |



**Table A.2  
Analytical Results Summary  
Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00071        | 40136     | Th-234       | 1.41      | 0.291  | 0.165  | 3.19   | 1.00 - 2.75             |
| 8N-00071        | 40136     | Tl-208       | 0.506     | 0.0203 | 0.0301 | 0.937  | 1.00 - 2.75             |
| 8N-00071        | 40136     | Tm-171       | -1.29     | 17.2   | 5.63   | 72.4   | 1.00 - 2.75             |
| 8N-00071        | 40136     | U-233/234    | 0.978     | 0.0513 | 0.109  | 2.02   | 1.00 - 2.75             |
| 8N-00071        | 40136     | U-235/236    | 0.0505    | 0.0512 | 0.0224 | 0.151  | 1.00 - 2.75             |
| 8N-00071        | 40136     | U-238        | 0.949     | 0.0176 | 0.106  | 1.8    | 1.00 - 2.75             |
| 8N-00072        | 40137     | Ac-227       | -0.0504 U | 0.206  | 0.063  | 0.217  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Am-241       | -0.0018 U | 0.0203 | 0.0041 | 0.0454 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Bi-212       | 0.917 J   | 0.159  | 0.107  | 2.15   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Bi-214       | 0.831     | 0.0293 | 0.041  | 1.59   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Cd-113m      | -138 UJ   | 136    | 57.1   | 3030   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Cm-243/244   | 0.0008 U  | 0.0225 | 0.0053 | 0.0443 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Co-60        | 0.0041 U  | 0.0191 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Cs-134       | -0.0051 U | 0.0166 | 0.0059 | 0.0864 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Cs-137       | 0.005 U   | 0.0179 | 0.0061 | 0.207  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Eu-152       | -0.025 U  | 0.0496 | 0.0197 | 0.0566 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Eu-154       | -0.0472 U | 0.0999 | 0.0326 | 0.15   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Eu-155       | 0.0411 JS | 0.0795 | 0.0262 | 0.231  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Ho-166m      | -0.0008 U | 0.0254 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00072        | 40137     | K-40         | 19.4      | 0.122  | 1.28   | 32.4   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Na-22        | -0.0027 U | 0.0237 | 0.0069 | 0.037  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Nb-94        | 0.0085 J  | 0.0154 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Ni-59        | -1.55 U   | 7.51   | 2.17   | 5.96   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Ni-63        | -0.0652 U | 1.36   | 0.407  | 4.92   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Np-236       | 0.0038 U  | 0.0402 | 0.0118 | 0.047  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Np-239       | -0.0076 U | 0.137  | 0.0408 | 0.139  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Pa-231       | -0.41 U   | 0.824  | 0.307  | 0.936  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Pb-212       | 1.67      | 0.0413 | 0.112  | 2.69   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Pb-214       | 0.952     | 0.0356 | 0.0486 | 1.7    | 0.00 - 0.50             |
| 8N-00072        | 40137     | Pm-147       | -0.573 U  | 5.89   | 1.72   | 17.5   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00072        | 40137     | Pu-236       | -0.0028 U | 0.0221 | 0.0039 | 0.0448 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Pu-238       | 0.0024 U  | 0.0211 | 0.0052 | 0.0415 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Pu-239/240   | 0.0126    | 0.0057 | 0.0052 | 0.0404 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Pu-244       | 0.0042    | 0.0057 | 0.003  | 0.0313 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Sb-125       | 0.0158 U  | 0.0517 | 0.0159 | 0.354  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Sn-126       | -0.0012 U | 0.0167 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00072        | 40137     | Sr-90        | 0.239     | 0.221  | 0.0763 | 0.485  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Tc-99        | -0.187 U  | 1.62   | 0.475  | 1.63   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Th-228       | 1.51      | 0.096  | 0.131  | 3.98   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Th-229       | 0.0154 U  | 0.0553 | 0.0154 | 0.145  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Th-230       | 0.923     | 0.0552 | 0.0865 | 2.2    | 0.00 - 0.50             |
| 8N-00072        | 40137     | Th-232       | 1.23      | 0.0475 | 0.105  | 3.1    | 0.00 - 0.50             |
| 8N-00072        | 40137     | Th-234       | 1.15 J    | 0.319  | 0.154  | 3.19   | 0.00 - 0.50             |
| 8N-00072        | 40137     | Tl-208       | 0.508     | 0.0193 | 0.0297 | 0.937  | 0.00 - 0.50             |
| 8N-00072        | 40137     | Tm-171       | -10.5 U   | 18.6   | 7.1    | 72.4   | 0.00 - 0.50             |
| 8N-00072        | 40137     | U-233/234    | 0.751     | 0.0458 | 0.0868 | 2.02   | 0.00 - 0.50             |
| 8N-00072        | 40137     | U-235/236    | 0.0399    | 0.0567 | 0.0206 | 0.151  | 0.00 - 0.50             |
| 8N-00072        | 40137     | U-238        | 0.815     | 0.037  | 0.0917 | 1.8    | 0.00 - 0.50             |
| 8N-00072        | 40138     | Ac-227       | 0.0016 U  | 0.172  | 0.0526 | 0.217  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Am-241       | 0.0051    | 0.0141 | 0.0042 | 0.0454 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Bi-212       | 1.01 J    | 0.269  | 0.257  | 2.15   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Bi-214       | 0.971 J   | 0.0293 | 0.0489 | 1.59   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Cd-113m      | 21.5 U    | 119    | 36.4   | 3030   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Cm-243/244   | 0.0052    | 0.0144 | 0.0043 | 0.0443 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Co-60        | 0.0042 U  | 0.0195 | 0.0056 | 0.028  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Cs-134       | -0.0009 U | 0.0176 | 0.0061 | 0.0864 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Cs-137       | -0.0068 U | 0.0195 | 0.0059 | 0.207  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Eu-152       | -0.001 U  | 0.0431 | 0.0152 | 0.0566 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Eu-154       | -0.0602 U | 0.112  | 0.0373 | 0.15   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Eu-155       | 0.0316 JS | 0.0565 | 0.0178 | 0.231  | 1.00 - 3.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00072        | 40138     | Ho-166m      | -0.0077 U | 0.028  | 0.0084 | 0.0432 | 1.00 - 3.50             |
| 8N-00072        | 40138     | K-40         | 20.1      | 0.134  | 1.09   | 32.4   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Na-22        | -0.0062 U | 0.025  | 0.0075 | 0.037  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Nb-94        | -0.0008 U | 0.0162 | 0.0047 | 0.0214 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Ni-59        | -3.72 UJ  | 3.89   | 1.51   | 5.96   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Ni-63        | 0.505 U   | 1.25   | 0.382  | 4.92   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Np-236       | -0.012 U  | 0.0284 | 0.0088 | 0.047  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Np-239       | 0.0258 U  | 0.111  | 0.0339 | 0.139  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Pa-231       | 0.117 U   | 0.7    | 0.226  | 0.936  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Pb-212       | 1.55      | 0.0339 | 0.0872 | 2.69   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Pb-214       | 1.06      | 0.0304 | 0.0508 | 1.7    | 1.00 - 3.50             |
| 8N-00072        | 40138     | Pm-147       | 0.0093 U  | 6.4    | 1.87   | 17.5   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Pu-238       | 0.0005 U  | 0.0121 | 0.0024 | 0.0415 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Pu-239/240   | 0.0081    | 0.0121 | 0.0045 | 0.0404 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Pu-244       | 0         | 0.0051 | 0.0019 | 0.0313 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Sb-125       | 0.011 U   | 0.0493 | 0.0146 | 0.354  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Sn-126       | 0.0018 U  | 0.0176 | 0.005  | 0.0237 | 1.00 - 3.50             |
| 8N-00072        | 40138     | Sr-90        | -0.0626 U | 0.386  | 0.104  | 0.485  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Tc-99        | -0.0792 U | 0.936  | 0.262  | 1.63   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Th-228       | 1.74      | 0.0761 | 0.158  | 3.98   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Th-229       | 0.0134 U  | 0.0878 | 0.0232 | 0.145  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Th-230       | 1.08      | 0.0181 | 0.106  | 2.2    | 1.00 - 3.50             |
| 8N-00072        | 40138     | Th-232       | 1.37      | 0.049  | 0.125  | 3.1    | 1.00 - 3.50             |
| 8N-00072        | 40138     | Th-234       | 1.24 J    | 0.213  | 0.127  | 3.19   | 1.00 - 3.50             |
| 8N-00072        | 40138     | Tl-208       | 0.553     | 0.02   | 0.0327 | 0.937  | 1.00 - 3.50             |
| 8N-00072        | 40138     | Tm-171       | -1.75 U   | 7.56   | 2.62   | 72.4   | 1.00 - 3.50             |
| 8N-00072        | 40138     | U-233/234    | 0.906     | 0.0181 | 0.103  | 2.02   | 1.00 - 3.50             |
| 8N-00072        | 40138     | U-235/236    | 0.0105 UJ | 0.0525 | 0.0131 | 0.151  | 1.00 - 3.50             |
| 8N-00072        | 40138     | U-238        | 0.968     | 0.0425 | 0.109  | 1.8    | 1.00 - 3.50             |
| 8N-00073        | 40139     | Ac-227       | -0.0208 U | 0.21   | 0.0645 | 0.217  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00073        | 40139     | Am-241       | 0.0046    | 0.0062 | 0.0033 | 0.0454 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Bi-212       | 0.994     | 0.162  | 0.0883 | 2.15   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Bi-214       | 0.98      | 0.0329 | 0.0465 | 1.59   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Cd-113m      | -94.6 U   | 138    | 52.2   | 3030   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Cm-243/244   | 0.0007 U  | 0.0149 | 0.0029 | 0.0443 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Co-60        | 0.0024 U  | 0.0185 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Cs-134       | 0.0077 U  | 0.0195 | 0.0068 | 0.0864 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Cs-137       | 0.029     | 0.0169 | 0.0076 | 0.207  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Eu-152       | -0.0252 U | 0.0513 | 0.0186 | 0.0566 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Eu-154       | 0.0489 J  | 0.0988 | 0.0338 | 0.15   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Eu-155       | 0.0221 U  | 0.082  | 0.0249 | 0.231  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Ho-166m      | -0.0051 U | 0.0267 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00073        | 40139     | K-40         | 19.9      | 0.156  | 1.21   | 32.4   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Na-22        | -0.0148 U | 0.0219 | 0.0076 | 0.037  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Nb-94        | -0.0001 U | 0.0155 | 0.0046 | 0.0214 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Ni-59        | 0.117 U   | 4.9    | 1.37   | 5.96   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Ni-63        | 0.253 U   | 1.23   | 0.371  | 4.92   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Np-236       | 0.0031 U  | 0.0413 | 0.0123 | 0.047  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Np-239       | 0.0342 U  | 0.145  | 0.0446 | 0.139  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pa-231       | -0.144 U  | 0.855  | 0.288  | 0.936  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pb-212       | 1.73      | 0.044  | 0.107  | 2.69   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pb-214       | 1.13      | 0.036  | 0.055  | 1.7    | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pm-147       | 0.613 U   | 5.58   | 1.65   | 17.5   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pu-236       | 0.0008 UJ | 0.0171 | 0.0033 | 0.0448 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pu-238       | 0.0099    | 0.0148 | 0.0055 | 0.0415 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pu-239/240   | 0.0036 UJ | 0.0182 | 0.0047 | 0.0404 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Pu-244       | 0.0069    | 0.0063 | 0.004  | 0.0313 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Sb-125       | 0.0142 U  | 0.0537 | 0.0159 | 0.354  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Sn-126       | -0.0017 U | 0.0173 | 0.0052 | 0.0237 | 0.00 - 0.50             |
| 8N-00073        | 40139     | Sr-90        | 0.115 U   | 0.189  | 0.0594 | 0.485  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00073        | 40139     | Tc-99        | -0.292 U  | 1.59   | 0.467  | 1.63   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Th-228       | 1.66      | 0.15   | 0.16   | 3.98   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Th-229       | 0.0217    | 0.0532 | 0.0162 | 0.145  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Th-230       | 0.866     | 0.067  | 0.0949 | 2.2    | 0.00 - 0.50             |
| 8N-00073        | 40139     | Th-232       | 1.24      | 0.0195 | 0.119  | 3.1    | 0.00 - 0.50             |
| 8N-00073        | 40139     | Th-234       | 1.56 J    | 0.319  | 0.169  | 3.19   | 0.00 - 0.50             |
| 8N-00073        | 40139     | Tl-208       | 0.523     | 0.0207 | 0.0303 | 0.937  | 0.00 - 0.50             |
| 8N-00073        | 40139     | Tm-171       | -6.94 U   | 18.9   | 6.59   | 72.4   | 0.00 - 0.50             |
| 8N-00073        | 40139     | U-233/234    | 0.853     | 0.0608 | 0.0943 | 2.02   | 0.00 - 0.50             |
| 8N-00073        | 40139     | U-235/236    | 0.0483    | 0.0187 | 0.0186 | 0.151  | 0.00 - 0.50             |
| 8N-00073        | 40139     | U-238        | 0.977     | 0.0151 | 0.103  | 1.8    | 0.00 - 0.50             |
| 8N-00073        | 40140     | Ac-227       | -0.0454 U | 0.205  | 0.0647 | 0.217  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Am-241       | 0.0028 U  | 0.0138 | 0.0034 | 0.0454 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Bi-212       | 0.962     | 0.157  | 0.0892 | 2.15   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Bi-214       | 0.649     | 0.0317 | 0.035  | 1.59   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Cd-113m      | -48.1 U   | 136    | 45.7   | 3030   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Cm-243/244   | -0.0026 U | 0.0199 | 0.0035 | 0.0443 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Co-60        | -0.0015 U | 0.0182 | 0.0053 | 0.028  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Cs-134       | 0.0071 U  | 0.0183 | 0.0062 | 0.0864 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Cs-137       | -0.0031 U | 0.0176 | 0.0052 | 0.207  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Eu-152       | -0.0257 U | 0.0512 | 0.0181 | 0.0566 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Eu-154       | 0.0174 U  | 0.11   | 0.0327 | 0.15   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Eu-155       | -0.0173 U | 0.0803 | 0.0243 | 0.231  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Ho-166m      | -0.0016 U | 0.0268 | 0.0079 | 0.0432 | 1.00 - 5.00             |
| 8N-00073        | 40140     | K-40         | 15.9      | 0.206  | 1      | 32.4   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Na-22        | -0.007 U  | 0.0237 | 0.0073 | 0.037  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Nb-94        | 0.0008 U  | 0.0149 | 0.0044 | 0.0214 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Ni-59        | -3.56 UJ  | 4.34   | 1.62   | 5.96   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Ni-63        | 0.497 U   | 1.23   | 0.376  | 4.92   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Np-236       | -0.0104 U | 0.0408 | 0.0124 | 0.047  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00073        | 40140     | Np-239       | -0.0075 U | 0.136  | 0.0418 | 0.139  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Pa-231       | -0.417 U  | 0.808  | 0.274  | 0.936  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Pb-212       | 1.56      | 0.0422 | 0.104  | 2.69   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Pb-214       | 0.719     | 0.0366 | 0.0398 | 1.7    | 1.00 - 5.00             |
| 8N-00073        | 40140     | Pm-147       | 0.391 U   | 6.99   | 2.07   | 17.5   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Pu-238       | 0.0034 U  | 0.017  | 0.0043 | 0.0415 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Pu-239/240   | 0.0009 U  | 0.0234 | 0.0055 | 0.0404 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Pu-244       | 0.007     | 0.0137 | 0.0046 | 0.0313 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Sb-125       | -0.0154 U | 0.0488 | 0.0152 | 0.354  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Sn-126       | -0.0001 U | 0.0171 | 0.005  | 0.0237 | 1.00 - 5.00             |
| 8N-00073        | 40140     | Sr-90        | -0.0313 U | 0.12   | 0.0283 | 0.485  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Tc-99        | -0.456 U  | 1.16   | 0.328  | 1.63   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Th-228       | 1.66      | 0.0687 | 0.16   | 3.98   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Th-229       | 0.0314    | 0.0578 | 0.0193 | 0.145  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Th-230       | 1.03      | 0.0576 | 0.11   | 2.2    | 1.00 - 5.00             |
| 8N-00073        | 40140     | Th-232       | 1.28      | 0.0211 | 0.127  | 3.1    | 1.00 - 5.00             |
| 8N-00073        | 40140     | Th-234       | 1.62 J    | 0.341  | 0.181  | 3.19   | 1.00 - 5.00             |
| 8N-00073        | 40140     | Tl-208       | 0.465     | 0.0204 | 0.0281 | 0.937  | 1.00 - 5.00             |
| 8N-00073        | 40140     | Tm-171       | -8.15 U   | 23     | 7.93   | 72.4   | 1.00 - 5.00             |
| 8N-00073        | 40140     | U-233/234    | 1.46      | 0.046  | 0.134  | 2.02   | 1.00 - 5.00             |
| 8N-00073        | 40140     | U-235/236    | -0.005 U  | 0.0569 | 0.0115 | 0.151  | 1.00 - 5.00             |
| 8N-00073        | 40140     | U-238        | 1.3       | 0.046  | 0.122  | 1.8    | 1.00 - 5.00             |
| 8N-00074        | 40141     | Ac-227       | -0.12 UJ  | 0.158  | 0.0575 | 0.217  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Am-241       | 0.0031 U  | 0.0157 | 0.004  | 0.0454 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Bi-212       | 1.07 J    | 0.164  | 0.111  | 2.15   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Bi-214       | 0.89      | 0.03   | 0.0456 | 1.59   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Cd-113m      | 25.5 U    | 113    | 34.8   | 3030   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Cm-243/244   | 0.0041    | 0.0055 | 0.0029 | 0.0443 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Co-60        | 0.0017 U  | 0.0201 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Cs-134       | 0.0013 U  | 0.0172 | 0.0059 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00074        | 40141     | Cs-137       | 0.0094    | 0.0191 | 0.0071 | 0.207  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Eu-152       | -0.0045 U | 0.0432 | 0.013  | 0.0566 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Eu-154       | 0.0363 U  | 0.117  | 0.0351 | 0.15   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Eu-155       | 0.0346 JS | 0.0519 | 0.0219 | 0.231  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Ho-166m      | 0.0111 U  | 0.0278 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00074        | 40141     | K-40         | 18.9      | 0.15   | 1.02   | 32.4   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Na-22        | 0.004 U   | 0.0244 | 0.007  | 0.037  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Nb-94        | 0.0029 U  | 0.0162 | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Ni-59        | 2.55 U    | 11.2   | 3      | 5.96   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Ni-63        | 0.22 U    | 1.26   | 0.378  | 4.92   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Np-236       | -0.0068 U | 0.0275 | 0.0082 | 0.047  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Np-239       | -0.0162 U | 0.107  | 0.033  | 0.139  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pa-231       | 0.0281 U  | 0.682  | 0.21   | 0.936  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pb-212       | 1.54      | 0.0336 | 0.0857 | 2.69   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pb-214       | 0.937     | 0.0302 | 0.0441 | 1.7    | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pm-147       | -1.1 U    | 5.81   | 1.68   | 17.5   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pu-236       | 0.0007 U  | 0.0161 | 0.0031 | 0.0448 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pu-238       | 0.0012 U  | 0.0172 | 0.0038 | 0.0415 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pu-239/240   | 0.0083    | 0.0196 | 0.006  | 0.0404 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Pu-244       | 0.0022    | 0.0059 | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Sb-125       | 0.0055 U  | 0.0488 | 0.0143 | 0.354  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Sn-126       | -0.0062 U | 0.0171 | 0.0052 | 0.0237 | 0.00 - 0.50             |
| 8N-00074        | 40141     | Sr-90        | 0.238     | 0.145  | 0.0576 | 0.485  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Tc-99        | -0.0881 U | 1.55   | 0.458  | 1.63   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Th-228       | 1.67 J    | 0.163  | 0.167  | 3.98   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Th-229       | 0 U       | 0.111  | 0.0273 | 0.145  | 0.00 - 0.50             |
| 8N-00074        | 40141     | Th-230       | 0.927     | 0.073  | 0.103  | 2.2    | 0.00 - 0.50             |
| 8N-00074        | 40141     | Th-232       | 1.2       | 0.0577 | 0.121  | 3.1    | 0.00 - 0.50             |
| 8N-00074        | 40141     | Th-234       | 1.25      | 0.199  | 0.113  | 3.19   | 0.00 - 0.50             |
| 8N-00074        | 40141     | Tl-208       | 0.5       | 0.0197 | 0.0305 | 0.937  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00074        | 40141     | Tm-171       | 0.903 U    | 7.22   | 2.45   | 72.4   | 0.00 - 0.50             |
| 8N-00074        | 40141     | U-233/234    | 0.808      | 0.0376 | 0.0916 | 2.02   | 0.00 - 0.50             |
| 8N-00074        | 40141     | U-235/236    | 0.0583     | 0.0198 | 0.0211 | 0.151  | 0.00 - 0.50             |
| 8N-00074        | 40141     | U-238        | 0.723      | 0.0465 | 0.0849 | 1.8    | 0.00 - 0.50             |
| 8N-00074        | 40142     | Ac-227       | 0.0072 U   | 0.195  | 0.0598 | 0.217  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Am-241       | 0.0074 U   | 0.0237 | 0.0067 | 0.0454 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Bi-212       | 0.988      | 0.148  | 0.0977 | 2.15   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Bi-214       | 0.974      | 0.0272 | 0.0455 | 1.59   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Cd-113m      | 75.2 J     | 134    | 44     | 3030   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Cm-243/244   | 0.0057 U   | 0.0268 | 0.0071 | 0.0443 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Co-60        | -0.008 U   | 0.0167 | 0.0054 | 0.028  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Cs-134       | -0.0017 U  | 0.0166 | 0.0058 | 0.0864 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Cs-137       | -0.0085 U  | 0.0161 | 0.0053 | 0.207  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Eu-152       | 0.0082 U   | 0.0483 | 0.0204 | 0.0566 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Eu-154       | -0.044 U   | 0.0875 | 0.0283 | 0.15   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Eu-155       | 0.0822 JS  | 0.0786 | 0.0302 | 0.231  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Ho-166m      | 0.0037 U   | 0.0252 | 0.0076 | 0.0432 | 1.00 - 4.00             |
| 8N-00074        | 40142     | K-40         | 18.5       | 0.135  | 1.12   | 32.4   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Na-22        | -0.0045 U  | 0.0206 | 0.0063 | 0.037  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Nb-94        | 0.0035 U   | 0.0143 | 0.0043 | 0.0214 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Ni-59        | -1.5 U     | 3.03   | 0.96   | 5.96   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Ni-63        | 0.314 U    | 0.955  | 0.289  | 4.92   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Np-236       | 0.0024 U   | 0.0379 | 0.0113 | 0.047  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Np-239       | -0.0404 UJ | 0.129  | 0.0408 | 0.139  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Pa-231       | 0.0152 U   | 0.805  | 0.247  | 0.936  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Pb-212       | 1.81       | 0.04   | 0.111  | 2.69   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Pb-214       | 1.08       | 0.0333 | 0.0512 | 1.7    | 1.00 - 4.00             |
| 8N-00074        | 40142     | Pm-147       | 2.08 U     | 7.89   | 2.36   | 17.5   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Pu-238       | 0.0057     | 0.0159 | 0.0047 | 0.0415 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Pu-239/240   | 0.0074     | 0.0067 | 0.0043 | 0.0404 | 1.00 - 4.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00074        | 40142     | Pu-244       | 0.0156 J  | 0.0158 | 0.0069 | 0.0313 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Sb-125       | 0.009 U   | 0.0495 | 0.0146 | 0.354  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Sn-126       | 0.0082 J  | 0.0159 | 0.005  | 0.0237 | 1.00 - 4.00             |
| 8N-00074        | 40142     | Sr-90        | 0.263     | 0.196  | 0.073  | 0.485  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Tc-99        | 0.0846 U  | 0.983  | 0.292  | 1.63   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Th-228       | 1.46      | 0.128  | 0.145  | 3.98   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Th-229       | 0.048     | 0.0505 | 0.0208 | 0.145  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Th-230       | 0.739     | 0.0636 | 0.0845 | 2.2    | 1.00 - 4.00             |
| 8N-00074        | 40142     | Th-232       | 1.23      | 0.0185 | 0.117  | 3.1    | 1.00 - 4.00             |
| 8N-00074        | 40142     | Th-234       | 1.41 J    | 0.296  | 0.152  | 3.19   | 1.00 - 4.00             |
| 8N-00074        | 40142     | Tl-208       | 0.535     | 0.0191 | 0.0296 | 0.937  | 1.00 - 4.00             |
| 8N-00074        | 40142     | Tm-171       | -2.73 U   | 17.6   | 5.95   | 72.4   | 1.00 - 4.00             |
| 8N-00074        | 40142     | U-233/234    | 0.678     | 0.0427 | 0.0849 | 2.02   | 1.00 - 4.00             |
| 8N-00074        | 40142     | U-235/236    | 0.046     | 0.0653 | 0.0237 | 0.151  | 1.00 - 4.00             |
| 8N-00074        | 40142     | U-238        | 0.85      | 0.0606 | 0.0998 | 1.8    | 1.00 - 4.00             |
| 8N-00075        | 40143     | Ac-227       | -0.159 UJ | 0.148  | 0.0586 | 0.217  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Am-241       | 0.0057    | 0.0052 | 0.0033 | 0.0454 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Bi-212       | 0.818     | 0.142  | 0.073  | 2.15   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Bi-214       | 0.654 J   | 0.0219 | 0.0322 | 1.59   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Cd-113m      | -41.2 U   | 102    | 32.5   | 3030   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Cm-243/244   | 0.003 U   | 0.0153 | 0.0039 | 0.0443 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Co-60        | -0.0015 U | 0.0156 | 0.0047 | 0.028  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Cs-134       | 0.0038 U  | 0.0139 | 0.0047 | 0.0864 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Cs-137       | 0.0166    | 0.0158 | 0.0061 | 0.207  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Eu-152       | -0.0196 U | 0.0371 | 0.0124 | 0.0566 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Eu-154       | -0.0461 U | 0.08   | 0.0267 | 0.15   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Eu-155       | 0.0474 JS | 0.056  | 0.0209 | 0.231  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Ho-166m      | -0.0013 U | 0.0209 | 0.0064 | 0.0432 | 0.00 - 0.50             |
| 8N-00075        | 40143     | K-40         | 17.4      | 0.104  | 0.98   | 32.4   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Na-22        | -0.0007 U | 0.0198 | 0.0059 | 0.037  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00075        | 40143     | Nb-94        | 0.0011 U  | 0.0119 | 0.0036 | 0.0214 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Ni-59        | -2.69 UJ  | 2.86   | 1.11   | 5.96   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Ni-63        | 0.432 U   | 1.09   | 0.332  | 4.92   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Np-236       | -0.0129 U | 0.0274 | 0.0089 | 0.047  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Np-239       | 0.0035 U  | 0.102  | 0.0317 | 0.139  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Pa-231       | 0.0155 U  | 0.619  | 0.18   | 0.936  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Pb-212       | 1.38      | 0.0322 | 0.0819 | 2.69   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Pb-214       | 0.716     | 0.0269 | 0.0352 | 1.7    | 0.00 - 0.50             |
| 8N-00075        | 40143     | Pm-147       | -1.43 U   | 6.79   | 1.94   | 17.5   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Pu-238       | -0.0009 U | 0.017  | 0.0031 | 0.0415 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Pu-239/240   | 0.0033 U  | 0.0169 | 0.0043 | 0.0404 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Pu-244       | 0         | 0.0058 | 0.0021 | 0.0313 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Sb-125       | -0.0005 U | 0.0391 | 0.0115 | 0.354  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Sn-126       | 0.0057 U  | 0.0143 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00075        | 40143     | Sr-90        | -0.0382 U | 0.234  | 0.0569 | 0.485  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Tc-99        | 0.295 U   | 0.838  | 0.25   | 1.63   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Th-228       | 1.09      | 0.199  | 0.135  | 3.98   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Th-229       | 0.0241    | 0.0591 | 0.018  | 0.145  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Th-230       | 0.673     | 0.0217 | 0.0841 | 2.2    | 0.00 - 0.50             |
| 8N-00075        | 40143     | Th-232       | 0.982     | 0.0588 | 0.108  | 3.1    | 0.00 - 0.50             |
| 8N-00075        | 40143     | Th-234       | 1.18 J    | 0.217  | 0.127  | 3.19   | 0.00 - 0.50             |
| 8N-00075        | 40143     | Tl-208       | 0.435     | 0.0156 | 0.0257 | 0.937  | 0.00 - 0.50             |
| 8N-00075        | 40143     | Tm-171       | -0.0697 U | 12     | 3.97   | 72.4   | 0.00 - 0.50             |
| 8N-00075        | 40143     | U-233/234    | 0.598     | 0.0457 | 0.0742 | 2.02   | 0.00 - 0.50             |
| 8N-00075        | 40143     | U-235/236    | 0.0215    | 0.0194 | 0.0125 | 0.151  | 0.00 - 0.50             |
| 8N-00075        | 40143     | U-238        | 0.61      | 0.0369 | 0.0749 | 1.8    | 0.00 - 0.50             |
| 8N-00076        | 40145     | Ac-227       | -0.075 U  | 0.207  | 0.0644 | 0.217  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Am-241       | 0.0127 U  | 0.0318 | 0.0095 | 0.0454 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Bi-212       | 1.2       | 0.175  | 0.106  | 2.15   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Bi-214       | 0.998     | 0.0312 | 0.0493 | 1.59   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00076        | 40145     | Cd-113m      | -47.8 U    | 138    | 42.9   | 3030   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Cm-243/244   | 0.0039 U   | 0.0303 | 0.0077 | 0.0443 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Co-60        | -0.0098 U  | 0.0208 | 0.0068 | 0.028  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Cs-134       | 0.0019 U   | 0.0198 | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Cs-137       | 0.0134 J   | 0.0204 | 0.0073 | 0.207  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Eu-152       | -0.0084 U  | 0.0519 | 0.0171 | 0.0566 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Eu-154       | -0.105 UJ  | 0.112  | 0.0425 | 0.15   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Eu-155       | 0.0249 U   | 0.0799 | 0.0248 | 0.231  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Ho-166m      | 0.0185 JS  | 0.0305 | 0.0097 | 0.0432 | 0.00 - 0.50             |
| 8N-00076        | 40145     | K-40         | 20.4       | 0.162  | 1.23   | 32.4   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Na-22        | -0.0019 UJ | 0.0272 | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Nb-94        | 0.0026 U   | 0.0166 | 0.0049 | 0.0214 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Ni-59        | -1.91 U    | 3.1    | 1.03   | 5.96   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Ni-63        | -0.277 U   | 1.08   | 0.32   | 4.92   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Np-236       | 0.0041 U   | 0.0395 | 0.012  | 0.047  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Np-239       | -0.0013 U  | 0.136  | 0.0401 | 0.139  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Pa-231       | -0.552 U   | 0.838  | 0.296  | 0.936  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Pb-212       | 1.67       | 0.043  | 0.112  | 2.69   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Pb-214       | 1.14       | 0.036  | 0.0595 | 1.7    | 0.00 - 0.50             |
| 8N-00076        | 40145     | Pm-147       | 3.71       | 6.91   | 2.14   | 17.5   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Pu-238       | 0.0079 UJ  | 0.0392 | 0.0098 | 0.0415 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Pu-239/240   | 0.0201     | 0.039  | 0.0131 | 0.0404 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Pu-244       | 0.0184     | 0.0166 | 0.0107 | 0.0313 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Sb-125       | 0.015 U    | 0.0553 | 0.0169 | 0.354  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Sn-126       | -0.0033 U  | 0.0184 | 0.0055 | 0.0237 | 0.00 - 0.50             |
| 8N-00076        | 40145     | Sr-90        | -0.0089 U  | 0.192  | 0.0528 | 0.485  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Tc-99        | -0.251 U   | 1.46   | 0.422  | 1.63   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Th-228       | 1.86       | 0.161  | 0.178  | 3.98   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Th-229       | 0.0637     | 0.0657 | 0.0258 | 0.145  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Th-230       | 1.23       | 0.0191 | 0.12   | 2.2    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00076        | 40145     | Th-232       | 1.3      | 0.0191 | 0.125  | 3.1    | 0.00 - 0.50             |
| 8N-00076        | 40145     | Th-234       | 1.75 J   | 0.32   | 0.181  | 3.19   | 0.00 - 0.50             |
| 8N-00076        | 40145     | Tl-208       | 0.513    | 0.0214 | 0.0312 | 0.937  | 0.00 - 0.50             |
| 8N-00076        | 40145     | Tm-171       | 2.34 U   | 19.7   | 6.54   | 72.4   | 0.00 - 0.50             |
| 8N-00076        | 40145     | U-233/234    | 1.3      | 0.0526 | 0.136  | 2.02   | 0.00 - 0.50             |
| 8N-00076        | 40145     | U-235/236    | 0.0399   | 0.0746 | 0.0243 | 0.151  | 0.00 - 0.50             |
| 8N-00076        | 40145     | U-238        | 1.29     | 0.0181 | 0.134  | 1.8    | 0.00 - 0.50             |
| 8N-00076        | 40146     | Ac-227       | 0.0135   | 0.167  | 0.0511 | 0.217  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Am-241       | 0.0128   | 0.005  | 0.0049 | 0.0454 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Bi-212       | 1.27     | 0.258  | 0.319  | 2.15   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Bi-214       | 0.979    | 0.0281 | 0.0474 | 1.59   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Cd-113m      | -25.5    | 110    | 34.7   | 3030   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Cm-243/244   | 0.0019   | 0.0051 | 0.0019 | 0.0443 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Co-60        | 0.01     | 0.0206 | 0.0062 | 0.028  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Cs-134       | -0.0044  | 0.0164 | 0.0059 | 0.0864 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Cs-137       | -0.0161  | 0.0182 | 0.0066 | 0.207  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Eu-152       | -0.0004  | 0.0421 | 0.0139 | 0.0566 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Eu-154       | -0.121   | 0.0992 | 0.0431 | 0.15   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Eu-155       | 0.0869   | 0.056  | 0.0258 | 0.231  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Ho-166m      | -0.0173  | 0.0251 | 0.0086 | 0.0432 | 1.00 - 5.00             |
| 8N-00076        | 40146     | K-40         | 19.6     | 0.127  | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Na-22        | -0.003   | 0.0249 | 0.0073 | 0.037  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Nb-94        | -0.0011  | 0.0148 | 0.0043 | 0.0214 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Ni-59        | -4.97    | 4.56   | 1.88   | 5.96   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Ni-63        | -0.0502  | 1.56   | 0.462  | 4.92   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Np-236       | -0.0006  | 0.0277 | 0.0081 | 0.047  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Np-239       | 0.058    | 0.11   | 0.0355 | 0.139  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Pa-231       | 0.308    | 0.684  | 0.219  | 0.936  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Pb-212       | 1.6      | 0.0322 | 0.0893 | 2.69   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Pb-214       | 0.974    | 0.0303 | 0.0465 | 1.7    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00076        | 40146     | Pm-147       | 3.72     | 6.54   | 2.03   | 17.5   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Pu-238       | 0.0044   | 0.006  | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Pu-239/240   | 0.0072   | 0.0139 | 0.0047 | 0.0404 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Pu-244       | 0.0056   | 0.0173 | 0.0049 | 0.0313 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Sb-125       | 0.0193   | 0.0459 | 0.014  | 0.354  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Sn-126       | 0.0094   | 0.0178 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00076        | 40146     | Sr-90        | 0.0245   | 0.21   | 0.0589 | 0.485  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Tc-99        | -0.878   | 1.66   | 0.464  | 1.63   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Th-228       | 1.34     | 0.122  | 0.134  | 3.98   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Th-229       | 0.0201   | 0.0623 | 0.0178 | 0.145  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Th-230       | 0.857    | 0.0181 | 0.0911 | 2.2    | 1.00 - 5.00             |
| 8N-00076        | 40146     | Th-232       | 1.09     | 0.0491 | 0.108  | 3.1    | 1.00 - 5.00             |
| 8N-00076        | 40146     | Th-234       | 1.21     | 0.221  | 0.114  | 3.19   | 1.00 - 5.00             |
| 8N-00076        | 40146     | Tl-208       | 0.514    | 0.0193 | 0.0314 | 0.937  | 1.00 - 5.00             |
| 8N-00076        | 40146     | Tm-171       | -2.27    | 7.28   | 2.56   | 72.4   | 1.00 - 5.00             |
| 8N-00076        | 40146     | U-233/234    | 1.33     | 0.054  | 0.149  | 2.02   | 1.00 - 5.00             |
| 8N-00076        | 40146     | U-235/236    | 0.0629   | 0.0284 | 0.0261 | 0.151  | 1.00 - 5.00             |
| 8N-00076        | 40146     | U-238        | 1.15     | 0.0669 | 0.134  | 1.8    | 1.00 - 5.00             |
| 8N-00076        | 40265     | Ac-227       | 0.024    | 0.169  | 0.0512 | 0.217  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Am-241       | 0.0082   | 0.0056 | 0.0041 | 0.0454 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Bi-212       | 1.02     | 0.13   | 0.0799 | 2.15   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Bi-214       | 0.955    | 0.0258 | 0.0436 | 1.59   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Cd-113m      | -9.57    | 113    | 35.7   | 3030   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Cm-243/244   | 0.0027   | 0.0134 | 0.0033 | 0.0443 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Co-60        | 0.0102   | 0.0167 | 0.0053 | 0.028  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Cs-134       | 0.0056   | 0.0152 | 0.0053 | 0.0864 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Cs-137       | 0.0067   | 0.0146 | 0.0051 | 0.207  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Eu-152       | -0.0207  | 0.0408 | 0.0155 | 0.0566 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Eu-154       | -0.0349  | 0.0883 | 0.0277 | 0.15   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Eu-155       | 0.0595   | 0.0611 | 0.0239 | 0.231  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00076        | 40265     | Ho-166m      | -0.0049   | 0.0215 | 0.0066 | 0.0432 | 1.00 - 5.00             |
| 8N-00076        | 40265     | K-40         | 20        | 0.108  | 1.19   | 32.4   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Na-22        | -0.009    | 0.0192 | 0.0063 | 0.037  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Nb-94        | 0.0034    | 0.0132 | 0.004  | 0.0214 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Ni-59        | 0.183     | 3.19   | 0.847  | 5.96   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Ni-63        | -0.374    | 1.19   | 0.348  | 4.92   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Np-236       | -0.0086   | 0.0316 | 0.0099 | 0.047  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Np-239       | 0.0264    | 0.113  | 0.0344 | 0.139  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Pa-231       | 0.14      | 0.683  | 0.209  | 0.936  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Pb-212       | 1.64      | 0.0338 | 0.1    | 2.69   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Pb-214       | 0.968     | 0.0296 | 0.0479 | 1.7    | 1.00 - 5.00             |
| 8N-00076        | 40265     | Pm-147       | 4.51      | 6.42   | 2.02   | 17.5   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Pu-238       | -0.0033   | 0.0178 | 0.0032 | 0.0415 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Pu-239/240   | 0.0067    | 0.0061 | 0.0039 | 0.0404 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Pu-244       | 0.0109    | 0.0203 | 0.0066 | 0.0313 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Sb-125       | 0.0206    | 0.0423 | 0.0131 | 0.354  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Sn-126       | -0.003    | 0.0143 | 0.0044 | 0.0237 | 1.00 - 5.00             |
| 8N-00076        | 40265     | Sr-90        | -0.0389   | 0.131  | 0.0292 | 0.485  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Tc-99        | -0.831    | 1.61   | 0.451  | 1.63   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Th-228       | 0.429     | 0.137  | 0.0757 | 3.98   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Th-229       | -0.0075   | 0.0904 | 0.0199 | 0.145  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Th-230       | 0.24      | 0.0203 | 0.0448 | 2.2    | 1.00 - 5.00             |
| 8N-00076        | 40265     | Th-232       | 0.382     | 0.0203 | 0.0581 | 3.1    | 1.00 - 5.00             |
| 8N-00076        | 40265     | Th-234       | 1.72      | 0.248  | 0.145  | 3.19   | 1.00 - 5.00             |
| 8N-00076        | 40265     | Tl-208       | 0.497     | 0.0167 | 0.0279 | 0.937  | 1.00 - 5.00             |
| 8N-00076        | 40265     | Tm-171       | 1.09      | 11.8   | 4.12   | 72.4   | 1.00 - 5.00             |
| 8N-00076        | 40265     | U-233/234    | 0.239     | 0.0878 | 0.0516 | 2.02   | 1.00 - 5.00             |
| 8N-00076        | 40265     | U-235/236    | 0.0127    | 0.0634 | 0.0158 | 0.151  | 1.00 - 5.00             |
| 8N-00076        | 40265     | U-238        | 0.234     | 0.0218 | 0.047  | 1.8    | 1.00 - 5.00             |
| 8N-00077        | 40147     | Ac-227       | -0.0413 U | 0.154  | 0.0485 | 0.217  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00077        | 40147     | Am-241       | 0.0054 U   | 0.0165 | 0.0047 | 0.0454 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Bi-212       | 1.15       | 0.157  | 0.11   | 2.15   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Bi-214       | 0.979 J    | 0.0275 | 0.047  | 1.59   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Cd-113m      | 16.7 U     | 104    | 32     | 3030   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Cm-243/244   | 0.0071     | 0.0137 | 0.0046 | 0.0443 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Co-60        | 0.0003 U   | 0.0187 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Cs-134       | 0.006 U    | 0.0175 | 0.0061 | 0.0864 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Cs-137       | 0.0822     | 0.016  | 0.0097 | 0.207  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Eu-152       | 0.0032 U   | 0.0388 | 0.0136 | 0.0566 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Eu-154       | -0.0675 U  | 0.0992 | 0.0348 | 0.15   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Eu-155       | 0.0655 JS  | 0.0516 | 0.0213 | 0.231  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Ho-166m      | 0.007 U    | 0.0256 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00077        | 40147     | K-40         | 21.4       | 0.118  | 1.15   | 32.4   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Na-22        | -0.0168 UJ | 0.0233 | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Nb-94        | 0.0045 U   | 0.0149 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Ni-59        | 0.699 U    | 4.22   | 1.11   | 5.96   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Ni-63        | 0.448 U    | 1.15   | 0.35   | 4.92   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Np-236       | 0.0008 U   | 0.0249 | 0.0073 | 0.047  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Np-239       | 0.0162 U   | 0.0964 | 0.0294 | 0.139  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Pa-231       | -0.176 U   | 0.629  | 0.201  | 0.936  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Pb-212       | 1.8        | 0.0323 | 0.0996 | 2.69   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Pb-214       | 1.05       | 0.0275 | 0.0494 | 1.7    | 0.00 - 0.50             |
| 8N-00077        | 40147     | Pm-147       | 0.903 U    | 7.11   | 2.1    | 17.5   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Pu-238       | -0.0049 U  | 0.0259 | 0.0045 | 0.0415 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Pu-239/240   | 0.0029 U   | 0.0258 | 0.0063 | 0.0404 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Pu-244       | -0.0037 U  | 0.0203 | 0.0037 | 0.0313 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Sb-125       | 0.0086 U   | 0.0465 | 0.0138 | 0.354  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Sn-126       | -0.001 U   | 0.0168 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00077        | 40147     | Sr-90        | 0.131 U    | 0.274  | 0.0842 | 0.485  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Tc-99        | -0.615 U   | 1.26   | 0.329  | 1.63   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00077        | 40147     | Th-228       | 1.49 J     | 0.161  | 0.154  | 3.98   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Th-229       | 0 U        | 0.0674 | 0.0145 | 0.145  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Th-230       | 0.804      | 0.0196 | 0.0905 | 2.2    | 0.00 - 0.50             |
| 8N-00077        | 40147     | Th-232       | 0.989      | 0.0532 | 0.104  | 3.1    | 0.00 - 0.50             |
| 8N-00077        | 40147     | Th-234       | 1.28       | 0.185  | 0.116  | 3.19   | 0.00 - 0.50             |
| 8N-00077        | 40147     | Tl-208       | 0.574      | 0.0202 | 0.0343 | 0.937  | 0.00 - 0.50             |
| 8N-00077        | 40147     | Tm-171       | -0.738 U   | 7.15   | 2.45   | 72.4   | 0.00 - 0.50             |
| 8N-00077        | 40147     | U-233/234    | 1.12       | 0.0845 | 0.137  | 2.02   | 0.00 - 0.50             |
| 8N-00077        | 40147     | U-235/236    | 0.0379     | 0.0736 | 0.0247 | 0.151  | 0.00 - 0.50             |
| 8N-00077        | 40147     | U-238        | 1.03       | 0.0595 | 0.128  | 1.8    | 0.00 - 0.50             |
| 8N-00078        | 40148     | Ac-227       | 0.104 J    | 0.176  | 0.0568 | 0.217  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Am-241       | 0.0039 U   | 0.027  | 0.0066 | 0.0454 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Bi-212       | 0.779      | 0.14   | 0.0767 | 2.15   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Bi-214       | 0.717      | 0.0259 | 0.036  | 1.59   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Cd-113m      | 37.1 U     | 115    | 36.1   | 3030   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Cm-243/244   | -0.0067 U  | 0.033  | 0.0056 | 0.0443 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Co-60        | 0.0007 U   | 0.0171 | 0.0051 | 0.028  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Cs-134       | 0.0095 JS  | 0.0158 | 0.0055 | 0.0864 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Cs-137       | 0.0067 U   | 0.0166 | 0.006  | 0.207  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Eu-152       | 0.0256 J   | 0.0431 | 0.0155 | 0.0566 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Eu-154       | -0.0838 UJ | 0.0888 | 0.0344 | 0.15   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Eu-155       | 0.0678 JS  | 0.0633 | 0.0283 | 0.231  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Ho-166m      | 0.0047 U   | 0.023  | 0.0067 | 0.0432 | 0.00 - 0.50             |
| 8N-00078        | 40148     | K-40         | 19.4       | 0.108  | 1.11   | 32.4   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Na-22        | -0.0075 U  | 0.0211 | 0.0067 | 0.037  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Nb-94        | 0.0036 U   | 0.0136 | 0.004  | 0.0214 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Ni-59        | -1.81 U    | 4.05   | 1.25   | 5.96   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Ni-63        | 0.51 U     | 1.42   | 0.431  | 4.92   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Np-236       | -0.0009 U  | 0.0325 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Np-239       | 0.0213 U   | 0.114  | 0.0341 | 0.139  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00078        | 40148     | Pa-231       | -0.228 U  | 0.692  | 0.223  | 0.936  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Pb-212       | 1.39      | 0.0349 | 0.0882 | 2.69   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Pb-214       | 0.824     | 0.0296 | 0.0426 | 1.7    | 0.00 - 0.50             |
| 8N-00078        | 40148     | Pm-147       | -0.531 U  | 6.38   | 1.86   | 17.5   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Pu-238       | 0         | 0.006  | 0.0022 | 0.0415 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Pu-239/240   | 0.0079    | 0.0175 | 0.0055 | 0.0404 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Pu-244       | 0.0022    | 0.006  | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Sb-125       | 0.0054 U  | 0.0453 | 0.0136 | 0.354  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Sn-126       | 0.0007 U  | 0.0147 | 0.0043 | 0.0237 | 0.00 - 0.50             |
| 8N-00078        | 40148     | Sr-90        | -0.0438 U | 0.173  | 0.0432 | 0.485  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Tc-99        | 0.0006 U  | 1.58   | 0.466  | 1.63   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Th-228       | 1.42 J    | 0.113  | 0.152  | 3.98   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Th-229       | 0.0586    | 0.0617 | 0.0254 | 0.145  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Th-230       | 0.802     | 0.0776 | 0.0969 | 2.2    | 0.00 - 0.50             |
| 8N-00078        | 40148     | Th-232       | 1.02      | 0.0774 | 0.113  | 3.1    | 0.00 - 0.50             |
| 8N-00078        | 40148     | Th-234       | 1.27 J    | 0.256  | 0.144  | 3.19   | 0.00 - 0.50             |
| 8N-00078        | 40148     | Tl-208       | 0.447     | 0.0182 | 0.0257 | 0.937  | 0.00 - 0.50             |
| 8N-00078        | 40148     | Tm-171       | -8.8 U    | 12.7   | 4.95   | 72.4   | 0.00 - 0.50             |
| 8N-00078        | 40148     | U-233/234    | 0.696     | 0.0251 | 0.0679 | 2.02   | 0.00 - 0.50             |
| 8N-00078        | 40148     | U-235/236    | 0.067     | 0.0107 | 0.0169 | 0.151  | 0.00 - 0.50             |
| 8N-00078        | 40148     | U-238        | 0.714     | 0.0086 | 0.069  | 1.8    | 0.00 - 0.50             |
| 8N-00078        | 40149     | Ac-227       | 0.0722 U  | 0.177  | 0.0555 | 0.217  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Am-241       | -0.0004 U | 0.0238 | 0.005  | 0.0454 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Bi-212       | 1.02      | 0.142  | 0.085  | 2.15   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Bi-214       | 0.941     | 0.0279 | 0.0445 | 1.59   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Cd-113m      | -24 U     | 118    | 37.7   | 3030   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Cm-243/244   | 0.0069 U  | 0.0212 | 0.0061 | 0.0443 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Co-60        | 0.0026 U  | 0.0169 | 0.005  | 0.028  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Cs-134       | 0.0036 U  | 0.0158 | 0.0054 | 0.0864 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Cs-137       | -0.0068 U | 0.0153 | 0.005  | 0.207  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00078        | 40149     | Eu-152       | 0.0054 U   | 0.0441 | 0.0155 | 0.0566 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Eu-154       | -0.0101 U  | 0.0859 | 0.0295 | 0.15   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Eu-155       | 0.0766 JS  | 0.0647 | 0.0227 | 0.231  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Ho-166m      | 0.0039 U   | 0.0245 | 0.0073 | 0.0432 | 1.00 - 5.00             |
| 8N-00078        | 40149     | K-40         | 19.6       | 0.112  | 1.17   | 32.4   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Na-22        | 0.0032 U   | 0.0216 | 0.0064 | 0.037  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Nb-94        | 0.0099 J   | 0.0141 | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Ni-59        | -1.82 U    | 4.43   | 1.4    | 5.96   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Ni-63        | 0.52       | 1.06   | 0.325  | 4.92   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Np-236       | -0.0115 U  | 0.0327 | 0.0104 | 0.047  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Np-239       | -0.0053 UJ | 0.117  | 0.0354 | 0.139  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Pa-231       | -0.139 U   | 0.72   | 0.223  | 0.936  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Pb-212       | 1.73       | 0.0362 | 0.106  | 2.69   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Pb-214       | 1.05       | 0.03   | 0.052  | 1.7    | 1.00 - 5.00             |
| 8N-00078        | 40149     | Pm-147       | 1.81 U     | 7.29   | 2.18   | 17.5   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Pu-238       | 0.0134     | 0.0231 | 0.0078 | 0.0415 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Pu-239/240   | -0.0042 UJ | 0.023  | 0.0042 | 0.0404 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Pu-244       | 0.0175     | 0.0079 | 0.0072 | 0.0313 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Sb-125       | 0.0217 U   | 0.0459 | 0.0141 | 0.354  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Sn-126       | 0.0035 U   | 0.0153 | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8N-00078        | 40149     | Sr-90        | 0.247      | 0.22   | 0.0767 | 0.485  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Tc-99        | 0.525      | 1.03   | 0.315  | 1.63   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Th-228       | 1.46       | 0.0997 | 0.141  | 3.98   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Th-229       | 0.0067 U   | 0.0492 | 0.0116 | 0.145  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Th-230       | 1.07       | 0.0619 | 0.106  | 2.2    | 1.00 - 5.00             |
| 8N-00078        | 40149     | Th-232       | 1.1        | 0.0618 | 0.108  | 3.1    | 1.00 - 5.00             |
| 8N-00078        | 40149     | Th-234       | 1.4        | 0.25   | 0.134  | 3.19   | 1.00 - 5.00             |
| 8N-00078        | 40149     | Tl-208       | 0.534      | 0.0178 | 0.0302 | 0.937  | 1.00 - 5.00             |
| 8N-00078        | 40149     | Tm-171       | -10.4 UJ   | 12.6   | 5.11   | 72.4   | 1.00 - 5.00             |
| 8N-00078        | 40149     | U-233/234    | 0.788      | 0.0766 | 0.109  | 2.02   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00078        | 40149     | U-235/236    | 0.0154 UJ  | 0.0764 | 0.0191 | 0.151  | 1.00 - 5.00             |
| 8N-00078        | 40149     | U-238        | 0.75       | 0.0618 | 0.105  | 1.8    | 1.00 - 5.00             |
| 8N-00079        | 40150     | Ac-227       | -0.0756 U  | 0.191  | 0.0603 | 0.217  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Am-241       | 0.0068     | 0.0132 | 0.0044 | 0.0454 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Bi-212       | 1          | 0.152  | 0.1    | 2.15   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Bi-214       | 0.861      | 0.031  | 0.0419 | 1.59   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Cd-113m      | -16.8 U    | 131    | 40.6   | 3030   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Cm-243/244   | 0          | 0.0057 | 0.0021 | 0.0443 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Co-60        | 0.0038 U   | 0.0204 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Cs-134       | -0.0051 U  | 0.0176 | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Cs-137       | 0.102      | 0.0194 | 0.0102 | 0.207  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Eu-152       | -0.0252 U  | 0.0483 | 0.0195 | 0.0566 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Eu-154       | -0.0585 U  | 0.104  | 0.0345 | 0.15   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Eu-155       | 0.0691 JS  | 0.0739 | 0.0275 | 0.231  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Ho-166m      | 0.0074 U   | 0.0274 | 0.0083 | 0.0432 | 0.00 - 0.50             |
| 8N-00079        | 40150     | K-40         | 21.8       | 0.129  | 1.37   | 32.4   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Na-22        | 0.0035 U   | 0.0273 | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Nb-94        | 0.0074 U   | 0.0158 | 0.0049 | 0.0214 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Ni-59        | -0.173 U   | 4.41   | 1.24   | 5.96   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Ni-63        | -0.409 U   | 1.06   | 0.311  | 4.92   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Np-236       | 0.0281 JS  | 0.0376 | 0.0131 | 0.047  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Np-239       | 0.0217 U   | 0.131  | 0.0388 | 0.139  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Pa-231       | -0.325 U   | 0.799  | 0.254  | 0.936  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Pb-212       | 1.44       | 0.0393 | 0.0881 | 2.69   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Pb-214       | 0.949      | 0.0337 | 0.0464 | 1.7    | 0.00 - 0.50             |
| 8N-00079        | 40150     | Pu-238       | -0.0051 UJ | 0.0281 | 0.0051 | 0.0415 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Pu-239/240   | 0.0106     | 0.0096 | 0.0062 | 0.0404 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Pu-244       | 0.0045 UJ  | 0.0226 | 0.0056 | 0.0313 | 0.00 - 0.50             |
| 8N-00079        | 40150     | Sb-125       | -0.0164 U  | 0.0495 | 0.0151 | 0.354  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Sn-126       | -0.0026 U  | 0.0166 | 0.005  | 0.0237 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00079        | 40150     | Sr-90        | -0.0579 U | 0.205  | 0.0535 | 0.485  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Tc-99        | -0.497 U  | 1.57   | 0.459  | 1.63   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Th-228       | 1.42      | 0.101  | 0.138  | 3.98   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Th-229       | 0.0743    | 0.0627 | 0.0265 | 0.145  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Th-230       | 0.734     | 0.0626 | 0.0832 | 2.2    | 0.00 - 0.50             |
| 8N-00079        | 40150     | Th-232       | 1.17      | 0.0182 | 0.111  | 3.1    | 0.00 - 0.50             |
| 8N-00079        | 40150     | Th-234       | 1.43 J    | 0.298  | 0.18   | 3.19   | 0.00 - 0.50             |
| 8N-00079        | 40150     | Tl-208       | 0.421     | 0.0205 | 0.0256 | 0.937  | 0.00 - 0.50             |
| 8N-00079        | 40150     | Tm-171       | -11.1 U   | 18.1   | 6.72   | 72.4   | 0.00 - 0.50             |
| 8N-00079        | 40150     | U-233/234    | 0.834     | 0.0435 | 0.0919 | 2.02   | 0.00 - 0.50             |
| 8N-00079        | 40150     | U-235/236    | 0.104     | 0.0435 | 0.0288 | 0.151  | 0.00 - 0.50             |
| 8N-00079        | 40150     | U-238        | 0.757     | 0.0352 | 0.0856 | 1.8    | 0.00 - 0.50             |
| 8N-00079        | 40151     | Ac-227       | -0.115    | 0.195  | 0.0672 | 0.217  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Am-241       | 0.0084    | 0.0198 | 0.006  | 0.0454 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Bi-212       | 1.2       | 0.195  | 0.117  | 2.15   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Bi-214       | 1.02      | 0.037  | 0.0503 | 1.59   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Cd-113m      | -23.8     | 130    | 40.8   | 3030   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Cm-243/244   | 0.0243    | 0.0436 | 0.0136 | 0.0443 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Co-60        | -0.01     | 0.0215 | 0.0068 | 0.028  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Cs-134       | -0.0071   | 0.0208 | 0.0075 | 0.0864 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Cs-137       | 0.0032    | 0.0208 | 0.0072 | 0.207  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Eu-152       | -0.0315   | 0.0484 | 0.0174 | 0.0566 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Eu-154       | -0.106    | 0.123  | 0.0461 | 0.15   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Eu-155       | 0.158     | 0.0583 | 0.03   | 0.231  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Ho-166m      | -0.0121   | 0.0314 | 0.0097 | 0.0432 | 1.00 - 5.00             |
| 8N-00079        | 40151     | K-40         | 18.9      | 0.154  | 1.05   | 32.4   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Na-22        | 0.0059    | 0.0305 | 0.0087 | 0.037  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Nb-94        | 0.008     | 0.0198 | 0.0059 | 0.0214 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Ni-59        | -5.56     | 4.21   | 1.92   | 5.96   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Ni-63        | -0.146    | 1.53   | 0.453  | 4.92   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00079        | 40151     | Np-236       | 0.0097    | 0.0314 | 0.0095 | 0.047  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Np-239       | -0.0253   | 0.127  | 0.0394 | 0.139  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Pa-231       | 0.114     | 0.828  | 0.256  | 0.936  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Pb-212       | 1.73      | 0.0389 | 0.0977 | 2.69   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Pb-214       | 1.1       | 0.0366 | 0.0525 | 1.7    | 1.00 - 5.00             |
| 8N-00079        | 40151     | Pu-238       | -0.0027   | 0.021  | 0.0037 | 0.0415 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Pu-239/240   | 0.0019    | 0.0209 | 0.0049 | 0.0404 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Pu-244       | 0.0092    | 0.0063 | 0.0047 | 0.0313 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Sb-125       | 0.0292    | 0.058  | 0.0179 | 0.354  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Sn-126       | -0.0076   | 0.0203 | 0.0062 | 0.0237 | 1.00 - 5.00             |
| 8N-00079        | 40151     | Sr-90        | 0.0274    | 0.24   | 0.068  | 0.485  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Tc-99        | -0.662    | 1.62   | 0.458  | 1.63   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Th-228       | 1.52      | 0.119  | 0.152  | 3.98   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Th-229       | 0.0075    | 0.0696 | 0.0167 | 0.145  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Th-230       | 0.844     | 0.055  | 0.0948 | 2.2    | 1.00 - 5.00             |
| 8N-00079        | 40151     | Th-232       | 1.36      | 0.0548 | 0.13   | 3.1    | 1.00 - 5.00             |
| 8N-00079        | 40151     | Th-234       | 1.36      | 0.231  | 0.127  | 3.19   | 1.00 - 5.00             |
| 8N-00079        | 40151     | Tl-208       | 0.581     | 0.0227 | 0.0346 | 0.937  | 1.00 - 5.00             |
| 8N-00079        | 40151     | Tm-171       | 4.97      | 8.59   | 2.95   | 72.4   | 1.00 - 5.00             |
| 8N-00079        | 40151     | U-233/234    | 0.998     | 0.046  | 0.106  | 2.02   | 1.00 - 5.00             |
| 8N-00079        | 40151     | U-235/236    | 0.0648    | 0.0195 | 0.0221 | 0.151  | 1.00 - 5.00             |
| 8N-00079        | 40151     | U-238        | 1.04      | 0.0371 | 0.11   | 1.8    | 1.00 - 5.00             |
| 8N-00080        | 40152     | Ac-227       | -0.107 U  | 0.203  | 0.0684 | 0.217  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Am-241       | 0.0066 U  | 0.0211 | 0.006  | 0.0454 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Bi-212       | 1.02      | 0.182  | 0.1    | 2.15   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Bi-214       | 1.05      | 0.0329 | 0.0504 | 1.59   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Cd-113m      | -10.7 U   | 138    | 42.5   | 3030   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Cm-243/244   | 0.015     | 0.0152 | 0.0066 | 0.0443 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Co-60        | -0.0028 U | 0.0219 | 0.0066 | 0.028  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Cs-134       | 0.0059 U  | 0.0204 | 0.0069 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00080        | 40152     | Cs-137       | 0.0359    | 0.0192 | 0.0078 | 0.207  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Eu-152       | 0.0033 UJ | 0.0523 | 0.0156 | 0.0566 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Eu-154       | -0.0737 U | 0.112  | 0.0386 | 0.15   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Eu-155       | 0.0879 JS | 0.0737 | 0.03   | 0.231  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Ho-166m      | 0.0082 U  | 0.0299 | 0.009  | 0.0432 | 0.00 - 0.50             |
| 8N-00080        | 40152     | K-40         | 22.2      | 0.14   | 1.27   | 32.4   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Na-22        | 0.0122 U  | 0.0287 | 0.0087 | 0.037  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Nb-94        | 0.0057 U  | 0.0171 | 0.0052 | 0.0214 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Ni-59        | -5.66 UJ  | 5.82   | 2.28   | 5.96   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Ni-63        | 0.277 U   | 1.34   | 0.402  | 4.92   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Np-236       | -0.006 U  | 0.0364 | 0.0108 | 0.047  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Np-239       | -0.0557 U | 0.131  | 0.0424 | 0.139  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Pa-231       | -0.046 U  | 0.827  | 0.254  | 0.936  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Pb-212       | 1.81      | 0.043  | 0.109  | 2.69   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Pb-214       | 1.11      | 0.0364 | 0.0546 | 1.7    | 0.00 - 0.50             |
| 8N-00080        | 40152     | Pm-147       | 1.83 U    | 7.83   | 2.34   | 17.5   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Pu-238       | -0.0015 U | 0.0133 | 0.0026 | 0.0415 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Pu-239/240   | -0.0009 U | 0.0163 | 0.003  | 0.0404 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Pu-244       | 0.0068    | 0.0132 | 0.0044 | 0.0313 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Sb-125       | -0.0361 U | 0.0534 | 0.0183 | 0.354  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Sn-126       | 0.0008 U  | 0.019  | 0.0057 | 0.0237 | 0.00 - 0.50             |
| 8N-00080        | 40152     | Sr-90        | 0.0556 U  | 0.257  | 0.0753 | 0.485  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Tc-99        | 0.373 U   | 1.91   | 0.567  | 1.63   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Th-228       | 1.34      | 0.0988 | 0.136  | 3.98   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Th-229       | 0.0008 UJ | 0.0786 | 0.0184 | 0.145  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Th-230       | 1         | 0.0784 | 0.103  | 2.2    | 0.00 - 0.50             |
| 8N-00080        | 40152     | Th-232       | 1.19      | 0.0185 | 0.114  | 3.1    | 0.00 - 0.50             |
| 8N-00080        | 40152     | Th-234       | 1.66 J    | 0.303  | 0.17   | 3.19   | 0.00 - 0.50             |
| 8N-00080        | 40152     | Tl-208       | 0.553     | 0.0229 | 0.0324 | 0.937  | 0.00 - 0.50             |
| 8N-00080        | 40152     | Tm-171       | 4.89 U    | 17.5   | 6.05   | 72.4   | 0.00 - 0.50             |

**Table A.2  
Analytical Results Summary  
Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00080        | 40152     | U-233/234    | 0.699     | 0.0349 | 0.0806 | 2.02   | 0.00 - 0.50             |
| 8N-00080        | 40152     | U-235/236    | 0.0425    | 0.0431 | 0.0188 | 0.151  | 0.00 - 0.50             |
| 8N-00080        | 40152     | U-238        | 0.866     | 0.0349 | 0.0939 | 1.8    | 0.00 - 0.50             |
| 8N-00080        | 40153     | Ac-227       | -0.123 U  | 0.197  | 0.0682 | 0.217  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Am-241       | 0.0033 U  | 0.0169 | 0.0043 | 0.0454 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Bi-212       | 0.98 J    | 0.157  | 0.0991 | 2.15   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Bi-214       | 0.829     | 0.0293 | 0.0405 | 1.59   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Cd-113m      | -28.7 U   | 135    | 43.6   | 3030   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Cm-243/244   | -0.0016 U | 0.0139 | 0.0027 | 0.0443 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Co-60        | -0.0021 U | 0.0179 | 0.0053 | 0.028  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Cs-134       | 0.0043 UJ | 0.0176 | 0.006  | 0.0864 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Cs-137       | -0.0062 U | 0.0169 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Eu-152       | -0.0431 U | 0.0489 | 0.0241 | 0.0566 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Eu-154       | -0.0503 U | 0.0899 | 0.0339 | 0.15   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Eu-155       | 0.0704 JS | 0.0767 | 0.0233 | 0.231  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Ho-166m      | -0.008 U  | 0.0241 | 0.0076 | 0.0432 | 1.00 - 5.00             |
| 8N-00080        | 40153     | K-40         | 20.3      | 0.139  | 1.24   | 32.4   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Na-22        | 0.0038 U  | 0.0241 | 0.0071 | 0.037  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Nb-94        | 0.005 U   | 0.015  | 0.0046 | 0.0214 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Ni-59        | -0.454 U  | 2.93   | 0.807  | 5.96   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Ni-63        | -0.038 U  | 1.33   | 0.395  | 4.92   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Np-236       | -0.022 U  | 0.0378 | 0.0126 | 0.047  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Np-239       | 0.0181 U  | 0.134  | 0.0409 | 0.139  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Pa-231       | -0.339 U  | 0.815  | 0.287  | 0.936  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Pb-212       | 1.72      | 0.042  | 0.106  | 2.69   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Pb-214       | 0.95      | 0.0344 | 0.0467 | 1.7    | 1.00 - 5.00             |
| 8N-00080        | 40153     | Pm-147       | 1.13 U    | 8.95   | 2.65   | 17.5   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Pu-238       | -0.0018 U | 0.0208 | 0.0042 | 0.0415 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Pu-239/240   | 0.0021    | 0.0056 | 0.0021 | 0.0404 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Pu-244       | 0.0021    | 0.0056 | 0.0021 | 0.0313 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00080        | 40153     | Sb-125       | -0.0107 U  | 0.0506 | 0.0152 | 0.354  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Sn-126       | -0.0021 U  | 0.0166 | 0.005  | 0.0237 | 1.00 - 5.00             |
| 8N-00080        | 40153     | Sr-90        | 0.216      | 0.242  | 0.0799 | 0.485  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Tc-99        | -0.0051 U  | 1.56   | 0.461  | 1.63   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Th-228       | 1.31       | 0.102  | 0.131  | 3.98   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Th-229       | 0.0414     | 0.0641 | 0.0219 | 0.145  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Th-230       | 0.881      | 0.0507 | 0.0933 | 2.2    | 1.00 - 5.00             |
| 8N-00080        | 40153     | Th-232       | 1.19       | 0.0505 | 0.114  | 3.1    | 1.00 - 5.00             |
| 8N-00080        | 40153     | Th-234       | 1.52 J     | 0.301  | 0.16   | 3.19   | 1.00 - 5.00             |
| 8N-00080        | 40153     | Tl-208       | 0.517      | 0.0203 | 0.03   | 0.937  | 1.00 - 5.00             |
| 8N-00080        | 40153     | Tm-171       | -7.37 U    | 18.5   | 6.49   | 72.4   | 1.00 - 5.00             |
| 8N-00080        | 40153     | U-233/234    | 0.751      | 0.0484 | 0.0885 | 2.02   | 1.00 - 5.00             |
| 8N-00080        | 40153     | U-235/236    | 0.0477     | 0.0484 | 0.0211 | 0.151  | 1.00 - 5.00             |
| 8N-00080        | 40153     | U-238        | 0.768      | 0.0616 | 0.0904 | 1.8    | 1.00 - 5.00             |
| 8N-00082        | 40156     | Ac-227       | -0.156 U   | 0.228  | 0.0809 | 0.217  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Am-241       | 0.003 U    | 0.0151 | 0.0038 | 0.0454 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Bi-212       | 0.87 J     | 0.185  | 0.0886 | 2.15   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Bi-214       | 1.22       | 0.0332 | 0.0562 | 1.59   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Cd-113m      | -63.8 U    | 157    | 51.4   | 3030   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Cm-243/244   | -0.0011 U  | 0.0192 | 0.0035 | 0.0443 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Co-60        | -0.0149 UJ | 0.0206 | 0.0073 | 0.028  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Cs-134       | 0.0114 JS  | 0.0203 | 0.0071 | 0.0864 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Cs-137       | 0.197      | 0.0187 | 0.0138 | 0.207  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Eu-152       | -0.0113 U  | 0.0569 | 0.0209 | 0.0566 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Eu-154       | -0.0389 U  | 0.116  | 0.0367 | 0.15   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Eu-155       | 0.0172 U   | 0.0916 | 0.0274 | 0.231  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Ho-166m      | 0.003 U    | 0.03   | 0.0088 | 0.0432 | 0.00 - 0.50             |
| 8N-00082        | 40156     | K-40         | 22.1       | 0.149  | 1.38   | 32.4   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Na-22        | -0.0113 U  | 0.0277 | 0.0088 | 0.037  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Nb-94        | 0.0069 U   | 0.0173 | 0.0052 | 0.0214 | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00082        | 40156     | Ni-59        | -1.06 U    | 3.88   | 1.16   | 5.96   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Ni-63        | -0.278 U   | 1.44   | 0.426  | 4.92   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Np-236       | -0.0191 UJ | 0.0444 | 0.0141 | 0.047  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Np-239       | -0.0274 U  | 0.153  | 0.0476 | 0.139  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Pa-231       | 0.446 U    | 0.962  | 0.322  | 0.936  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Pb-212       | 1.68       | 0.0461 | 0.112  | 2.69   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Pb-214       | 1.41       | 0.0402 | 0.0699 | 1.7    | 0.00 - 0.50             |
| 8N-00082        | 40156     | Pu-238       | 0          | 0.0074 | 0.0027 | 0.0415 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Pu-239/240   | 0.0003 U   | 0.0273 | 0.0061 | 0.0404 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Pu-244       | -0.0012 U  | 0.0215 | 0.0039 | 0.0313 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Sb-125       | -0.0181 U  | 0.0579 | 0.018  | 0.354  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Sn-126       | 0.0022 U   | 0.0194 | 0.0057 | 0.0237 | 0.00 - 0.50             |
| 8N-00082        | 40156     | Sr-90        | 0.179      | 0.219  | 0.0718 | 0.485  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Tc-99        | -0.357 U   | 1.96   | 0.57   | 1.63   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Th-228       | 1.56       | 0.0809 | 0.148  | 3.98   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Th-229       | -0.007 U   | 0.0842 | 0.0185 | 0.145  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Th-230       | 0.979      | 0.0515 | 0.101  | 2.2    | 0.00 - 0.50             |
| 8N-00082        | 40156     | Th-232       | 1.15       | 0.0647 | 0.112  | 3.1    | 0.00 - 0.50             |
| 8N-00082        | 40156     | Th-234       | 1.99 J     | 0.372  | 0.209  | 3.19   | 0.00 - 0.50             |
| 8N-00082        | 40156     | Tl-208       | 0.505      | 0.0222 | 0.0303 | 0.937  | 0.00 - 0.50             |
| 8N-00082        | 40156     | Tm-171       | -16.2 U    | 26.1   | 9.6    | 72.4   | 0.00 - 0.50             |
| 8N-00082        | 40156     | U-233/234    | 1.08       | 0.0414 | 0.102  | 2.02   | 0.00 - 0.50             |
| 8N-00082        | 40156     | U-235/236    | 0.0589     | 0.0402 | 0.0195 | 0.151  | 0.00 - 0.50             |
| 8N-00082        | 40156     | U-238        | 1.05       | 0.0373 | 0.0998 | 1.8    | 0.00 - 0.50             |
| 8N-00083        | 40158     | Ac-227       | 0.0098 U   | 0.18   | 0.0542 | 0.217  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Am-241       | 0.0131     | 0.0059 | 0.0054 | 0.0454 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Bi-212       | 0.911      | 0.15   | 0.0817 | 2.15   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Bi-214       | 0.78       | 0.0279 | 0.0389 | 1.59   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Cd-113m      | 54.8 U     | 119    | 40     | 3030   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Cm-243/244   | 0.0041 U   | 0.0202 | 0.0053 | 0.0443 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00083        | 40158     | Co-60        | -0.0024 U  | 0.0175 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Cs-134       | 0.0049 U   | 0.0166 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Cs-137       | 0.0293     | 0.0167 | 0.0068 | 0.207  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Eu-152       | -0.0032 U  | 0.0449 | 0.0158 | 0.0566 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Eu-154       | 0.0108 U   | 0.0984 | 0.0282 | 0.15   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Eu-155       | 0.0623 JS  | 0.0682 | 0.0237 | 0.231  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Ho-166m      | 0.0058 U   | 0.0256 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00083        | 40158     | K-40         | 17.1       | 0.116  | 0.958  | 32.4   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Na-22        | -0.0138 U  | 0.0217 | 0.0077 | 0.037  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Nb-94        | 0.0051 U   | 0.015  | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Ni-59        | -1.08 U    | 7.28   | 2.08   | 5.96   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Ni-63        | -0.584 U   | 1.34   | 0.394  | 4.92   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Np-236       | -0.0371 UJ | 0.0339 | 0.0135 | 0.047  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Np-239       | 0.0183 U   | 0.121  | 0.0364 | 0.139  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Pa-231       | 0.253 U    | 0.757  | 0.241  | 0.936  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Pb-212       | 1.38       | 0.0376 | 0.0811 | 2.69   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Pb-214       | 0.845      | 0.0314 | 0.0416 | 1.7    | 0.00 - 0.50             |
| 8N-00083        | 40158     | Pm-147       | 0.0668 U   | 5.71   | 1.68   | 17.5   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Pu-238       | 0.0025 UJ  | 0.0354 | 0.0078 | 0.0415 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Pu-239/240   | 0.0057 UJ  | 0.0284 | 0.0071 | 0.0404 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Pu-244       | 0.0045     | 0.0121 | 0.0045 | 0.0313 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Sb-125       | 0.0067 U   | 0.048  | 0.0139 | 0.354  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Sn-126       | 0.0022 U   | 0.0163 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00083        | 40158     | Sr-90        | 0.0714 U   | 0.14   | 0.0437 | 0.485  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Tc-99        | -0.667 U   | 1.43   | 0.415  | 1.63   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Th-228       | 1.45       | 0.0769 | 0.138  | 3.98   | 0.00 - 0.50             |
| 8N-00083        | 40158     | Th-229       | 0.0533     | 0.0181 | 0.0191 | 0.145  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Th-230       | 0.692      | 0.049  | 0.0791 | 2.2    | 0.00 - 0.50             |
| 8N-00083        | 40158     | Th-232       | 0.994      | 0.018  | 0.0992 | 3.1    | 0.00 - 0.50             |
| 8N-00083        | 40158     | Th-234       | 1.37 J     | 0.269  | 0.138  | 3.19   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00083        | 40158     | Tl-208       | 0.445      | 0.019  | 0.0271 | 0.937  | 0.00 - 0.50             |
| 8N-00083        | 40158     | Tm-171       | -7.63 U    | 13.7   | 5.18   | 72.4   | 0.00 - 0.50             |
| 8N-00083        | 40158     | U-233/234    | 0.614      | 0.0117 | 0.0678 | 2.02   | 0.00 - 0.50             |
| 8N-00083        | 40158     | U-235/236    | 0.0642     | 0.0145 | 0.0191 | 0.151  | 0.00 - 0.50             |
| 8N-00083        | 40158     | U-238        | 0.848      | 0.0117 | 0.0858 | 1.8    | 0.00 - 0.50             |
| 8N-00083        | 40159     | Ac-227       | -0.0179 U  | 0.202  | 0.0598 | 0.217  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Am-241       | 0.0026 U   | 0.0131 | 0.0033 | 0.0454 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Bi-212       | 0.922 J    | 0.182  | 0.111  | 2.15   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Bi-214       | 0.738      | 0.0312 | 0.0392 | 1.59   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Cd-113m      | 35.6 U     | 140    | 44.5   | 3030   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Cm-243/244   | 0.0054 U   | 0.0165 | 0.0047 | 0.0443 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Co-60        | 0.0038 U   | 0.0222 | 0.0064 | 0.028  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Cs-134       | -0.0004 U  | 0.0191 | 0.0064 | 0.0864 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Cs-137       | -0.008 U   | 0.0202 | 0.0064 | 0.207  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Eu-152       | -0.0091 UJ | 0.0508 | 0.0167 | 0.0566 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Eu-154       | -0.0356 U  | 0.113  | 0.0344 | 0.15   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Eu-155       | -0.0009 U  | 0.0747 | 0.0226 | 0.231  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Ho-166m      | 0.0123 U   | 0.0302 | 0.0091 | 0.0432 | 1.00 - 5.00             |
| 8N-00083        | 40159     | K-40         | 16         | 0.154  | 0.975  | 32.4   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Na-22        | 0.0016 U   | 0.0262 | 0.0076 | 0.037  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Nb-94        | 0.0065 U   | 0.0172 | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Ni-59        | -2.7 U     | 4.07   | 1.39   | 5.96   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Ni-63        | 0.423 U    | 1.23   | 0.373  | 4.92   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Np-236       | -0.0095 U  | 0.0364 | 0.0114 | 0.047  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Np-239       | -0.0807 U  | 0.128  | 0.043  | 0.139  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Pa-231       | -0.0246 U  | 0.815  | 0.249  | 0.936  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Pb-212       | 1.41       | 0.0407 | 0.096  | 2.69   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Pb-214       | 0.88       | 0.0349 | 0.0482 | 1.7    | 1.00 - 5.00             |
| 8N-00083        | 40159     | Pm-147       | 2.77 U     | 6.79   | 2.07   | 17.5   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Pu-238       | 0          | 0.0065 | 0.0024 | 0.0415 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00083        | 40159     | Pu-239/240   | 0.003 U   | 0.0151 | 0.0038 | 0.0404 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Pu-244       | 0         | 0.0064 | 0.0024 | 0.0313 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Sb-125       | -0.0164 U | 0.0538 | 0.017  | 0.354  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Sn-126       | 0.0032 U  | 0.0187 | 0.0055 | 0.0237 | 1.00 - 5.00             |
| 8N-00083        | 40159     | Sr-90        | 0.0634 U  | 0.209  | 0.0621 | 0.485  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Tc-99        | 0.119 U   | 1.49   | 0.438  | 1.63   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Th-228       | 1.65 J    | 0.192  | 0.173  | 3.98   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Th-229       | 0.0166 U  | 0.077  | 0.0203 | 0.145  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Th-230       | 0.843     | 0.0609 | 0.0993 | 2.2    | 1.00 - 5.00             |
| 8N-00083        | 40159     | Th-232       | 1.07      | 0.108  | 0.118  | 3.1    | 1.00 - 5.00             |
| 8N-00083        | 40159     | Th-234       | 1.19 J    | 0.378  | 0.315  | 3.19   | 1.00 - 5.00             |
| 8N-00083        | 40159     | Tl-208       | 0.431     | 0.0222 | 0.027  | 0.937  | 1.00 - 5.00             |
| 8N-00083        | 40159     | Tm-171       | -0.444 U  | 18.9   | 5.61   | 72.4   | 1.00 - 5.00             |
| 8N-00083        | 40159     | U-233/234    | 0.615     | 0.0518 | 0.0755 | 2.02   | 1.00 - 5.00             |
| 8N-00083        | 40159     | U-235/236    | 0.0657    | 0.0451 | 0.0235 | 0.151  | 1.00 - 5.00             |
| 8N-00083        | 40159     | U-238        | 0.683     | 0.0365 | 0.0805 | 1.8    | 1.00 - 5.00             |
| 8N-00084        | 40160     | Ac-227       | -0.0164 U | 0.185  | 0.0544 | 0.217  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Am-241       | 0.0023 U  | 0.0291 | 0.0073 | 0.0454 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Bi-212       | 0.848 J   | 0.174  | 0.0948 | 2.15   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Bi-214       | 0.829     | 0.032  | 0.041  | 1.59   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Cd-113m      | 5.61 U    | 127    | 37.2   | 3030   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Cm-243/244   | 0.004 U   | 0.0281 | 0.0073 | 0.0443 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Co-60        | -0.0075 U | 0.0196 | 0.0062 | 0.028  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Cs-134       | 0.0096 JS | 0.0195 | 0.0067 | 0.0864 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Cs-137       | 0.0298    | 0.0195 | 0.0095 | 0.207  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Eu-152       | -0.007 U  | 0.0468 | 0.0141 | 0.0566 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Eu-154       | -0.0369 U | 0.108  | 0.033  | 0.15   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Eu-155       | 0.0753 JS | 0.0687 | 0.0263 | 0.231  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Ho-166m      | 0.0109 U  | 0.0283 | 0.0085 | 0.0432 | 0.00 - 0.50             |
| 8N-00084        | 40160     | K-40         | 18.4      | 0.131  | 1.13   | 32.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00084        | 40160     | Na-22        | -0.0013 UJ | 0.0267 | 0.0079 | 0.037  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Nb-94        | 0.0071 U   | 0.0163 | 0.005  | 0.0214 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Ni-59        | -0.479 U   | 3.27   | 0.904  | 5.96   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Ni-63        | 0.419 U    | 1.04   | 0.319  | 4.92   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Np-236       | -0.0176 U  | 0.034  | 0.0112 | 0.047  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Np-239       | 0.0413 U   | 0.122  | 0.0365 | 0.139  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Pa-231       | 0.388 J    | 0.779  | 0.258  | 0.936  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Pb-212       | 1.52       | 0.0393 | 0.0918 | 2.69   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Pb-214       | 0.845      | 0.0329 | 0.0417 | 1.7    | 0.00 - 0.50             |
| 8N-00084        | 40160     | Pm-147       | 2.43 U     | 6.6    | 2.01   | 17.5   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Pu-238       | -0.0014 U  | 0.0346 | 0.0085 | 0.0415 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Pu-239/240   | 0.0067     | 0.0061 | 0.0039 | 0.0404 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Pu-244       | 0.0029 U   | 0.0143 | 0.0036 | 0.0313 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Sb-125       | 0.0136 U   | 0.0527 | 0.016  | 0.354  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Sn-126       | 0.0016 U   | 0.0176 | 0.0052 | 0.0237 | 0.00 - 0.50             |
| 8N-00084        | 40160     | Sr-90        | 0.0658 U   | 0.182  | 0.0545 | 0.485  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Tc-99        | -0.471 U   | 1.38   | 0.393  | 1.63   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Th-228       | 1.54       | 0.135  | 0.14   | 3.98   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Th-229       | 0.0439     | 0.051  | 0.0192 | 0.145  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Th-230       | 0.826      | 0.0403 | 0.0825 | 2.2    | 0.00 - 0.50             |
| 8N-00084        | 40160     | Th-232       | 1.09       | 0.0402 | 0.0994 | 3.1    | 0.00 - 0.50             |
| 8N-00084        | 40160     | Th-234       | 1.43 J     | 0.272  | 0.158  | 3.19   | 0.00 - 0.50             |
| 8N-00084        | 40160     | Tl-208       | 0.456      | 0.0222 | 0.027  | 0.937  | 0.00 - 0.50             |
| 8N-00084        | 40160     | Tm-171       | -10.8 U    | 16.8   | 6.17   | 72.4   | 0.00 - 0.50             |
| 8N-00084        | 40160     | U-233/234    | 0.779      | 0.0388 | 0.0903 | 2.02   | 0.00 - 0.50             |
| 8N-00084        | 40160     | U-235/236    | 0.0451     | 0.0204 | 0.0187 | 0.151  | 0.00 - 0.50             |
| 8N-00084        | 40160     | U-238        | 0.823      | 0.0388 | 0.0938 | 1.8    | 0.00 - 0.50             |
| 8N-00084        | 40161     | Ac-227       | -0.0063 U  | 0.169  | 0.0502 | 0.217  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Am-241       | 0.005      | 0.014  | 0.0041 | 0.0454 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Bi-212       | 0.89       | 0.137  | 0.078  | 2.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00084        | 40161     | Bi-214       | 0.783     | 0.026  | 0.038  | 1.59   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Cd-113m      | -13.5 U   | 113    | 34.9   | 3030   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Cm-243/244   | -0.001 U  | 0.0177 | 0.0032 | 0.0443 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Co-60        | -0.0018 U | 0.0161 | 0.0048 | 0.028  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Cs-134       | 0.0031 U  | 0.0153 | 0.005  | 0.0864 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Cs-137       | 0.0035 U  | 0.0156 | 0.0045 | 0.207  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Eu-152       | -0.0014 U | 0.041  | 0.014  | 0.0566 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Eu-154       | -0.0545 U | 0.085  | 0.0293 | 0.15   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Eu-155       | 0.0302 U  | 0.0634 | 0.0208 | 0.231  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Ho-166m      | -0.0034 U | 0.0222 | 0.0066 | 0.0432 | 1.00 - 5.00             |
| 8N-00084        | 40161     | K-40         | 17.1      | 0.111  | 0.984  | 32.4   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Na-22        | -0.0106 U | 0.019  | 0.0074 | 0.037  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Nb-94        | 0.0011 U  | 0.0134 | 0.0039 | 0.0214 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Ni-59        | -1.68 U   | 4      | 1.23   | 5.96   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Ni-63        | 0.0769 U  | 1.13   | 0.337  | 4.92   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Np-236       | -0.0049 U | 0.0319 | 0.0094 | 0.047  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Np-239       | -0.0016 U | 0.112  | 0.0332 | 0.139  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Pa-231       | 0.0891 U  | 0.685  | 0.204  | 0.936  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Pb-212       | 1.46      | 0.0332 | 0.0928 | 2.69   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Pb-214       | 0.866     | 0.0282 | 0.0443 | 1.7    | 1.00 - 5.00             |
| 8N-00084        | 40161     | Pm-147       | 0.588 U   | 7.05   | 2.08   | 17.5   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Pu-238       | 0.0044    | 0.0118 | 0.0044 | 0.0415 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Pu-239/240   | -0.0019 U | 0.0343 | 0.0062 | 0.0404 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Pu-244       | 0.013     | 0.0118 | 0.0076 | 0.0313 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Sb-125       | 0.0197 U  | 0.0442 | 0.0138 | 0.354  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Sn-126       | 0.0026 U  | 0.0148 | 0.0043 | 0.0237 | 1.00 - 5.00             |
| 8N-00084        | 40161     | Sr-90        | 0.995     | 0.135  | 0.127  | 0.485  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Tc-99        | -0.233 U  | 1.48   | 0.434  | 1.63   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Th-228       | 1.44      | 0.152  | 0.146  | 3.98   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Th-229       | 0 U       | 0.052  | 0.01   | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00084        | 40161     | Th-230       | 0.845      | 0.0518 | 0.0923 | 2.2    | 1.00 - 5.00             |
| 8N-00084        | 40161     | Th-232       | 1.12       | 0.0517 | 0.111  | 3.1    | 1.00 - 5.00             |
| 8N-00084        | 40161     | Th-234       | 1.35       | 0.248  | 0.135  | 3.19   | 1.00 - 5.00             |
| 8N-00084        | 40161     | Tl-208       | 0.432      | 0.0173 | 0.0258 | 0.937  | 1.00 - 5.00             |
| 8N-00084        | 40161     | Tm-171       | -3.43 U    | 12.5   | 4.43   | 72.4   | 1.00 - 5.00             |
| 8N-00084        | 40161     | U-233/234    | 0.788      | 0.0597 | 0.0885 | 2.02   | 1.00 - 5.00             |
| 8N-00084        | 40161     | U-235/236    | 0.0154     | 0.0431 | 0.0127 | 0.151  | 1.00 - 5.00             |
| 8N-00084        | 40161     | U-238        | 0.809      | 0.0496 | 0.0898 | 1.8    | 1.00 - 5.00             |
| 8N-00085        | 40162     | Ac-227       | 0.0682 U   | 0.194  | 0.061  | 0.217  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Am-241       | 0.0514     | 0.0239 | 0.0123 | 0.0454 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Bi-212       | 0.965 J    | 0.2    | 0.114  | 2.15   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Bi-214       | 0.922      | 0.0344 | 0.0476 | 1.59   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Cd-113m      | -38.6 U    | 128    | 40.9   | 3030   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Cm-243/244   | 0.0086     | 0.0204 | 0.0062 | 0.0443 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Co-60        | -0.0028 U  | 0.0238 | 0.0069 | 0.028  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Cs-134       | 0.0008 U   | 0.0207 | 0.0071 | 0.0864 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Cs-137       | 0.115      | 0.0193 | 0.0107 | 0.207  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Eu-152       | -0.0109 U  | 0.0506 | 0.0151 | 0.0566 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Eu-154       | -0.0908 UJ | 0.124  | 0.0443 | 0.15   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Eu-155       | 0.0955 JS  | 0.0589 | 0.0261 | 0.231  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Ho-166m      | -0.0151 U  | 0.0324 | 0.0102 | 0.0432 | 0.00 - 0.50             |
| 8N-00085        | 40162     | K-40         | 22.6       | 0.148  | 1.24   | 32.4   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Na-22        | -0.0038 U  | 0.0293 | 0.0099 | 0.037  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Nb-94        | 0.0104 JS  | 0.0193 | 0.0059 | 0.0214 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Ni-59        | -0.805 U   | 3.87   | 1.1    | 5.96   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Ni-63        | -0.234 U   | 1.32   | 0.386  | 4.92   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Np-236       | -0.0072 U  | 0.0298 | 0.009  | 0.047  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Np-239       | 0.0206 U   | 0.124  | 0.038  | 0.139  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Pa-231       | -0.191 U   | 0.785  | 0.249  | 0.936  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Pb-212       | 1.58       | 0.0407 | 0.0892 | 2.69   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00085        | 40162     | Pb-214       | 1          | 0.0346 | 0.048  | 1.7    | 0.00 - 0.50             |
| 8N-00085        | 40162     | Pu-238       | 0.0023     | 0.0063 | 0.0023 | 0.0415 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Pu-239/240   | 0.0053     | 0.0147 | 0.0043 | 0.0404 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Pu-244       | 0.0116     | 0.0063 | 0.0052 | 0.0313 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Sb-125       | 0.0147 U   | 0.0582 | 0.0172 | 0.354  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Sn-126       | -0.0035 U  | 0.0203 | 0.006  | 0.0237 | 0.00 - 0.50             |
| 8N-00085        | 40162     | Sr-90        | 0.024 U    | 0.188  | 0.0535 | 0.485  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Tc-99        | -0.644 U   | 1.12   | 0.324  | 1.63   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Th-228       | 1.69 J     | 0.177  | 0.188  | 3.98   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Th-229       | 0.0526     | 0.103  | 0.0328 | 0.145  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Th-230       | 0.774      | 0.0808 | 0.103  | 2.2    | 0.00 - 0.50             |
| 8N-00085        | 40162     | Th-232       | 1.04       | 0.0806 | 0.123  | 3.1    | 0.00 - 0.50             |
| 8N-00085        | 40162     | Th-234       | 1.41       | 0.225  | 0.122  | 3.19   | 0.00 - 0.50             |
| 8N-00085        | 40162     | Tl-208       | 0.563      | 0.0229 | 0.0341 | 0.937  | 0.00 - 0.50             |
| 8N-00085        | 40162     | Tm-171       | 1.44 U     | 8.6    | 2.75   | 72.4   | 0.00 - 0.50             |
| 8N-00085        | 40162     | U-233/234    | 0.906      | 0.0138 | 0.0948 | 2.02   | 0.00 - 0.50             |
| 8N-00085        | 40162     | U-235/236    | 0.0189     | 0.0171 | 0.011  | 0.151  | 0.00 - 0.50             |
| 8N-00085        | 40162     | U-238        | 0.887      | 0.0403 | 0.0936 | 1.8    | 0.00 - 0.50             |
| 8N-00085        | 40163     | Ac-227       | -0.0605 U  | 0.175  | 0.0562 | 0.217  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Am-241       | 0.0229     | 0.0189 | 0.0084 | 0.0454 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Bi-212       | 0.893      | 0.131  | 0.0761 | 2.15   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Bi-214       | 0.695      | 0.0267 | 0.0338 | 1.59   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Cd-113m      | -18.1 U    | 119    | 39.9   | 3030   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Cm-243/244   | 0.0006 U   | 0.032  | 0.0078 | 0.0443 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Co-60        | -0.0131 UJ | 0.0147 | 0.0056 | 0.028  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Cs-134       | 0.0031 U   | 0.0152 | 0.0052 | 0.0864 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Cs-137       | -0.0048 U  | 0.0155 | 0.0048 | 0.207  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Eu-152       | -0.032 U   | 0.0414 | 0.0199 | 0.0566 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Eu-154       | -0.016 U   | 0.0877 | 0.0261 | 0.15   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Eu-155       | 0.0713 JS  | 0.0707 | 0.0268 | 0.231  | 1.00 - 2.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00085        | 40163     | Ho-166m      | -0.0078 U | 0.0221 | 0.007  | 0.0432 | 1.00 - 2.50             |
| 8N-00085        | 40163     | K-40         | 21.2      | 0.12   | 1.29   | 32.4   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Na-22        | -0.0131 U | 0.0195 | 0.0068 | 0.037  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Nb-94        | 0.0055 U  | 0.0134 | 0.0041 | 0.0214 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Ni-59        | 2.05 J    | 4.35   | 1.21   | 5.96   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Ni-63        | 0.115 U   | 1.08   | 0.325  | 4.92   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Np-236       | -0.0054 U | 0.034  | 0.0103 | 0.047  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Np-239       | -0.0307 U | 0.117  | 0.0367 | 0.139  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Pa-231       | 0.366 J   | 0.737  | 0.247  | 0.936  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Pb-212       | 1.54      | 0.0365 | 0.0946 | 2.69   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Pb-214       | 0.826     | 0.0306 | 0.0406 | 1.7    | 1.00 - 2.50             |
| 8N-00085        | 40163     | Pu-238       | -0.0017 U | 0.0147 | 0.0028 | 0.0415 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Pu-239/240   | 0.0046    | 0.0062 | 0.0033 | 0.0404 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Pu-244       | 0.0029 UJ | 0.0146 | 0.0037 | 0.0313 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Sb-125       | 0.0277 JS | 0.0467 | 0.0149 | 0.354  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Sn-126       | -0.0011 U | 0.0142 | 0.0043 | 0.0237 | 1.00 - 2.50             |
| 8N-00085        | 40163     | Sr-90        | 0.0904    | 0.15   | 0.0477 | 0.485  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Tc-99        | -0.307 U  | 1.38   | 0.394  | 1.63   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Th-228       | 0.852     | 0.124  | 0.111  | 3.98   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Th-229       | 0.0167 U  | 0.1    | 0.0264 | 0.145  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Th-230       | 0.65      | 0.0775 | 0.0852 | 2.2    | 1.00 - 2.50             |
| 8N-00085        | 40163     | Th-232       | 0.798     | 0.0225 | 0.0948 | 3.1    | 1.00 - 2.50             |
| 8N-00085        | 40163     | Th-234       | 1.23 J    | 0.278  | 0.14   | 3.19   | 1.00 - 2.50             |
| 8N-00085        | 40163     | Tl-208       | 0.448     | 0.0177 | 0.0253 | 0.937  | 1.00 - 2.50             |
| 8N-00085        | 40163     | Tm-171       | -7.69 U   | 16.1   | 5.77   | 72.4   | 1.00 - 2.50             |
| 8N-00085        | 40163     | U-233/234    | 0.487     | 0.0427 | 0.0631 | 2.02   | 1.00 - 2.50             |
| 8N-00085        | 40163     | U-235/236    | 0.0201    | 0.0181 | 0.0117 | 0.151  | 1.00 - 2.50             |
| 8N-00085        | 40163     | U-238        | 0.463     | 0.0427 | 0.0611 | 1.8    | 1.00 - 2.50             |
| 8N-00086        | 40164     | Ac-227       | -0.0466 U | 0.205  | 0.0642 | 0.217  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Am-241       | 0.006     | 0.0054 | 0.0035 | 0.0454 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00086        | 40164     | Bi-212       | 0.982     | 0.161  | 0.0901 | 2.15   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Bi-214       | 0.868     | 0.0293 | 0.0425 | 1.59   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Cd-113m      | 39.8 U    | 142    | 45.5   | 3030   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Cm-243/244   | 0.0047    | 0.013  | 0.0038 | 0.0443 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Co-60        | 0.0029 U  | 0.0202 | 0.0059 | 0.028  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Cs-134       | -0.0032 U | 0.0186 | 0.0065 | 0.0864 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Cs-137       | 0.0257    | 0.0176 | 0.0061 | 0.207  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Eu-152       | 0.0007 U  | 0.0514 | 0.0182 | 0.0566 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Eu-154       | 0.0054 U  | 0.101  | 0.029  | 0.15   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Eu-155       | 0.0629 JS | 0.0769 | 0.0266 | 0.231  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Ho-166m      | -0.003 U  | 0.0266 | 0.008  | 0.0432 | 0.00 - 0.50             |
| 8N-00086        | 40164     | K-40         | 19.7      | 0.149  | 1.2    | 32.4   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Na-22        | -0.0041 U | 0.0245 | 0.0073 | 0.037  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Nb-94        | 0.0079 J  | 0.0159 | 0.005  | 0.0214 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Ni-59        | -2.7 UJ   | 3.85   | 1.34   | 5.96   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Ni-63        | 0.228 U   | 1.23   | 0.371  | 4.92   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Np-236       | -0.0043 U | 0.0389 | 0.0121 | 0.047  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Np-239       | -0.0784 U | 0.136  | 0.046  | 0.139  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Pa-231       | 0.412 U   | 0.862  | 0.297  | 0.936  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Pb-212       | 1.68      | 0.0428 | 0.104  | 2.69   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Pb-214       | 1.02      | 0.0358 | 0.0494 | 1.7    | 0.00 - 0.50             |
| 8N-00086        | 40164     | Pm-147       | 3.36 U    | 7.98   | 2.44   | 17.5   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Pu-238       | -0.0003 U | 0.019  | 0.004  | 0.0415 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Pu-239/240   | 0.0074    | 0.0165 | 0.0051 | 0.0404 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Pu-244       | 0.0006 U  | 0.0133 | 0.0026 | 0.0313 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Sb-125       | 0.0044 U  | 0.0528 | 0.0154 | 0.354  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Sn-126       | 0.0035 U  | 0.0178 | 0.0053 | 0.0237 | 0.00 - 0.50             |
| 8N-00086        | 40164     | Sr-90        | -0.0192 U | 0.118  | 0.0284 | 0.485  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Tc-99        | -0.405 U  | 1.32   | 0.377  | 1.63   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Th-228       | 1.13      | 0.123  | 0.116  | 3.98   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00086        | 40164     | Th-229       | 0.0504    | 0.0413 | 0.0188 | 0.145  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Th-230       | 0.732     | 0.0602 | 0.0783 | 2.2    | 0.00 - 0.50             |
| 8N-00086        | 40164     | Th-232       | 1.14      | 0.0151 | 0.104  | 3.1    | 0.00 - 0.50             |
| 8N-00086        | 40164     | Th-234       | 1.19 J    | 0.318  | 0.145  | 3.19   | 0.00 - 0.50             |
| 8N-00086        | 40164     | Tl-208       | 0.497     | 0.0207 | 0.0294 | 0.937  | 0.00 - 0.50             |
| 8N-00086        | 40164     | Tm-171       | -7.4 U    | 19     | 6.68   | 72.4   | 0.00 - 0.50             |
| 8N-00086        | 40164     | U-233/234    | 0.725     | 0.0166 | 0.0856 | 2.02   | 0.00 - 0.50             |
| 8N-00086        | 40164     | U-235/236    | 0.068     | 0.0205 | 0.0232 | 0.151  | 0.00 - 0.50             |
| 8N-00086        | 40164     | U-238        | 0.883     | 0.0482 | 0.099  | 1.8    | 0.00 - 0.50             |
| 8N-00086        | 40165     | Ac-227       | 0.0868 U  | 0.209  | 0.0661 | 0.217  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Am-241       | 0.0027 U  | 0.0136 | 0.0034 | 0.0454 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Bi-212       | 1.04      | 0.167  | 0.0876 | 2.15   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Bi-214       | 0.879     | 0.0316 | 0.0424 | 1.59   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Cd-113m      | -62 U     | 132    | 45.2   | 3030   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Cm-243/244   | -0.0025 U | 0.0197 | 0.0035 | 0.0443 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Co-60        | -0.0001 U | 0.0182 | 0.0053 | 0.028  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Cs-134       | 0.002 U   | 0.0183 | 0.0063 | 0.0864 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Cs-137       | 0.0036 U  | 0.0178 | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Eu-152       | 0.0134 U  | 0.0516 | 0.0196 | 0.0566 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Eu-154       | -0.0326 U | 0.0939 | 0.0335 | 0.15   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Eu-155       | 0.0722 JS | 0.0807 | 0.0291 | 0.231  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Ho-166m      | -0.0052 U | 0.0261 | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8N-00086        | 40165     | K-40         | 17.4      | 0.143  | 1.07   | 32.4   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Na-22        | -0.0041 U | 0.0222 | 0.0075 | 0.037  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Nb-94        | 0.008 JS  | 0.0153 | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Ni-59        | 0.843 U   | 3.91   | 1.06   | 5.96   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Ni-63        | 0.19 U    | 1.07   | 0.319  | 4.92   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Np-236       | -0.0012 U | 0.0393 | 0.0117 | 0.047  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Np-239       | -0.0041 U | 0.138  | 0.0421 | 0.139  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Pa-231       | -0.143 U  | 0.847  | 0.285  | 0.936  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00086        | 40165     | Pb-212       | 1.58       | 0.0434 | 0.0977 | 2.69   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Pb-214       | 1.01       | 0.0338 | 0.0491 | 1.7    | 1.00 - 5.00             |
| 8N-00086        | 40165     | Pm-147       | -1.34 U    | 6.76   | 1.94   | 17.5   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Pu-238       | 0.0042     | 0.0057 | 0.003  | 0.0415 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Pu-239/240   | 0.0111     | 0.0134 | 0.0054 | 0.0404 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Pu-244       | 0.0153     | 0.0134 | 0.0062 | 0.0313 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Sb-125       | -0.0022 U  | 0.0527 | 0.0155 | 0.354  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Sn-126       | 0.0066 U   | 0.0176 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8N-00086        | 40165     | Sr-90        | 0.008 U    | 0.251  | 0.0709 | 0.485  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Tc-99        | -0.0956 U  | 0.994  | 0.295  | 1.63   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Th-228       | 1.36 J     | 0.111  | 0.157  | 3.98   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Th-229       | -0.006 U   | 0.108  | 0.0235 | 0.145  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Th-230       | 0.691      | 0.0783 | 0.0949 | 2.2    | 1.00 - 5.00             |
| 8N-00086        | 40165     | Th-232       | 0.844      | 0.0631 | 0.106  | 3.1    | 1.00 - 5.00             |
| 8N-00086        | 40165     | Th-234       | 1.88 J     | 0.398  | 0.479  | 3.19   | 1.00 - 5.00             |
| 8N-00086        | 40165     | Tl-208       | 0.463      | 0.0212 | 0.0271 | 0.937  | 1.00 - 5.00             |
| 8N-00086        | 40165     | Tm-171       | -7.32 U    | 18.7   | 5.83   | 72.4   | 1.00 - 5.00             |
| 8N-00086        | 40165     | U-233/234    | 0.583      | 0.0463 | 0.0698 | 2.02   | 1.00 - 5.00             |
| 8N-00086        | 40165     | U-235/236    | 0.0189     | 0.0171 | 0.011  | 0.151  | 1.00 - 5.00             |
| 8N-00086        | 40165     | U-238        | 0.783      | 0.0326 | 0.0853 | 1.8    | 1.00 - 5.00             |
| 8N-00087        | 40166     | Ac-227       | -0.103 U   | 0.224  | 0.0719 | 0.217  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Am-241       | 0.0042 UJ  | 0.0214 | 0.0055 | 0.0454 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Bi-212       | 1.16       | 0.191  | 0.104  | 2.15   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Bi-214       | 0.877      | 0.0351 | 0.044  | 1.59   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Cd-113m      | -27 U      | 150    | 48.9   | 3030   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Cm-243/244   | -0.0009 UJ | 0.0325 | 0.0074 | 0.0443 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Co-60        | -0.0063 U  | 0.0214 | 0.0066 | 0.028  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Cs-134       | 0.002 U    | 0.0204 | 0.0069 | 0.0864 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Cs-137       | -0.0075 U  | 0.0204 | 0.0064 | 0.207  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Eu-152       | 0.0107 U   | 0.0573 | 0.0197 | 0.0566 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00087        | 40166     | Eu-154       | -0.019 U  | 0.128  | 0.0379 | 0.15   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Eu-155       | 0.0797 JS | 0.0884 | 0.0325 | 0.231  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Ho-166m      | 0.0026 U  | 0.0317 | 0.0094 | 0.0432 | 1.00 - 5.00             |
| 8N-00087        | 40166     | K-40         | 20.1      | 0.154  | 1.25   | 32.4   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Na-22        | -0.0072 U | 0.0287 | 0.0088 | 0.037  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Nb-94        | 0.0097 J  | 0.0182 | 0.0057 | 0.0214 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Ni-59        | 2.57 J    | 4.79   | 1.36   | 5.96   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Ni-63        | 0.009 U   | 1      | 0.299  | 4.92   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Np-236       | -0.0198 U | 0.0425 | 0.0141 | 0.047  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Np-239       | -0.032 U  | 0.147  | 0.0445 | 0.139  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Pa-231       | -0.148 U  | 0.924  | 0.302  | 0.936  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Pb-212       | 1.75      | 0.0462 | 0.114  | 2.69   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Pb-214       | 0.965     | 0.0398 | 0.0494 | 1.7    | 1.00 - 5.00             |
| 8N-00087        | 40166     | Pu-238       | -0.0028 U | 0.0215 | 0.0038 | 0.0415 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Pu-239/240   | 0.008 U   | 0.0258 | 0.0073 | 0.0404 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Pu-244       | 0.0024 J  | 0.0064 | 0.0024 | 0.0313 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Sb-125       | 0.0025 UJ | 0.0596 | 0.0181 | 0.354  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Sn-126       | 0.0076 U  | 0.02   | 0.006  | 0.0237 | 1.00 - 5.00             |
| 8N-00087        | 40166     | Sr-90        | 0.022 U   | 0.244  | 0.0702 | 0.485  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Tc-99        | 0.183 U   | 1.63   | 0.48   | 1.63   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Th-228       | 1.45 J    | 0.173  | 0.172  | 3.98   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Th-229       | 0 UJ      | 0.0987 | 0.0213 | 0.145  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Th-230       | 0.869     | 0.0287 | 0.111  | 2.2    | 1.00 - 5.00             |
| 8N-00087        | 40166     | Th-232       | 1.15      | 0.0286 | 0.133  | 3.1    | 1.00 - 5.00             |
| 8N-00087        | 40166     | Th-234       | 1.28 J    | 0.33   | 0.174  | 3.19   | 1.00 - 5.00             |
| 8N-00087        | 40166     | Tl-208       | 0.535     | 0.0244 | 0.0323 | 0.937  | 1.00 - 5.00             |
| 8N-00087        | 40166     | Tm-171       | 0.637 U   | 22.5   | 7.55   | 72.4   | 1.00 - 5.00             |
| 8N-00087        | 40166     | U-233/234    | 0.996     | 0.11   | 0.134  | 2.02   | 1.00 - 5.00             |
| 8N-00087        | 40166     | U-235/236    | 0.058     | 0.0863 | 0.0322 | 0.151  | 1.00 - 5.00             |
| 8N-00087        | 40166     | U-238        | 0.822     | 0.0297 | 0.116  | 1.8    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00088        | 40167     | Ac-227       | -0.0521 U  | 0.176  | 0.0534 | 0.217  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Am-241       | 0.0059 U   | 0.0259 | 0.0071 | 0.0454 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Bi-212       | 1.09       | 0.152  | 0.0979 | 2.15   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Bi-214       | 0.932      | 0.0276 | 0.0444 | 1.59   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Cd-113m      | -5.88 U    | 117    | 34.4   | 3030   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Cm-243/244   | -0.0007 U  | 0.0264 | 0.006  | 0.0443 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Co-60        | 0.0007 U   | 0.017  | 0.0048 | 0.028  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Cs-134       | 0.0091 JS  | 0.0164 | 0.0059 | 0.0864 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Cs-137       | -0.0017 U  | 0.0147 | 0.0049 | 0.207  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Eu-152       | -0.0237 U  | 0.0425 | 0.0145 | 0.0566 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Eu-154       | -0.047 U   | 0.0963 | 0.0315 | 0.15   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Eu-155       | 0.0514 JS  | 0.0641 | 0.0242 | 0.231  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Ho-166m      | 0.0047 U   | 0.0242 | 0.007  | 0.0432 | 1.00 - 4.00             |
| 8N-00088        | 40167     | K-40         | 22.1       | 0.109  | 1.24   | 32.4   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Na-22        | 0.0096 U   | 0.0227 | 0.0072 | 0.037  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Nb-94        | 0.0014 U   | 0.0138 | 0.004  | 0.0214 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Ni-59        | -5.72 R    | 3.04   | 1.74   | 5.96   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Ni-63        | 0.4 U      | 1.19   | 0.361  | 4.92   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Np-236       | -0.0208 U  | 0.0322 | 0.0111 | 0.047  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Np-239       | -0.0779 UJ | 0.114  | 0.0388 | 0.139  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Pa-231       | 0.212 U    | 0.705  | 0.238  | 0.936  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Pb-212       | 1.77       | 0.036  | 0.106  | 2.69   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Pb-214       | 1.08       | 0.0298 | 0.0517 | 1.7    | 1.00 - 4.00             |
| 8N-00088        | 40167     | Pu-238       | 0.0203     | 0.0187 | 0.008  | 0.0415 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Pu-239/240   | -0.0044 U  | 0.0237 | 0.0042 | 0.0404 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Pu-244       | 0          | 0.0064 | 0.0024 | 0.0313 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Sb-125       | 0.0182 U   | 0.0457 | 0.0141 | 0.354  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Sn-126       | 0.0063 U   | 0.0158 | 0.0047 | 0.0237 | 1.00 - 4.00             |
| 8N-00088        | 40167     | Sr-90        | 0.144      | 0.197  | 0.0644 | 0.485  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Tc-99        | 0.37 U     | 1.03   | 0.313  | 1.63   | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00088        | 40167     | Th-228       | 1.45      | 0.123  | 0.141  | 3.98   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Th-229       | 0.0661    | 0.0486 | 0.0232 | 0.145  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Th-230       | 0.705     | 0.0864 | 0.0822 | 2.2    | 1.00 - 4.00             |
| 8N-00088        | 40167     | Th-232       | 1.1       | 0.0178 | 0.107  | 3.1    | 1.00 - 4.00             |
| 8N-00088        | 40167     | Th-234       | 1.77      | 0.252  | 0.162  | 3.19   | 1.00 - 4.00             |
| 8N-00088        | 40167     | Tl-208       | 0.56      | 0.017  | 0.0317 | 0.937  | 1.00 - 4.00             |
| 8N-00088        | 40167     | Tm-171       | -4.35 U   | 12.2   | 4.26   | 72.4   | 1.00 - 4.00             |
| 8N-00088        | 40167     | U-233/234    | 0.864     | 0.0547 | 0.102  | 2.02   | 1.00 - 4.00             |
| 8N-00088        | 40167     | U-235/236    | 0.0415    | 0.0776 | 0.0253 | 0.151  | 1.00 - 4.00             |
| 8N-00088        | 40167     | U-238        | 1.05      | 0.0188 | 0.116  | 1.8    | 1.00 - 4.00             |
| 8N-00089        | 40168     | Ac-227       | -0.159 UJ | 0.165  | 0.0627 | 0.217  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Am-241       | 0.0118    | 0.0142 | 0.0057 | 0.0454 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Bi-212       | 0.929     | 0.161  | 0.0912 | 2.15   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Bi-214       | 0.968     | 0.0278 | 0.0473 | 1.59   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Cd-113m      | -84.1 UJ  | 112    | 39.4   | 3030   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Cm-243/244   | 0.0006 U  | 0.0145 | 0.0028 | 0.0443 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Co-60        | 0.0051 U  | 0.02   | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Cs-134       | 0.0067 U  | 0.0169 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Cs-137       | 0.0376    | 0.0167 | 0.0077 | 0.207  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Eu-152       | -0.0064 U | 0.0423 | 0.0147 | 0.0566 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Eu-154       | -0.0039 U | 0.105  | 0.0317 | 0.15   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Eu-155       | 0.0861 JS | 0.0567 | 0.0218 | 0.231  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Ho-166m      | -0.0046 U | 0.026  | 0.0078 | 0.0432 | 0.00 - 0.50             |
| 8N-00089        | 40168     | K-40         | 19.2      | 0.139  | 1.09   | 32.4   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Na-22        | -0.0016 U | 0.0246 | 0.0072 | 0.037  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Nb-94        | 0.0119 J  | 0.0157 | 0.0053 | 0.0214 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Ni-59        | -1.47 U   | 5.37   | 1.59   | 5.96   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Ni-63        | -0.0542 U | 1.26   | 0.376  | 4.92   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Np-236       | 0.0126 UJ | 0.0299 | 0.0096 | 0.047  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Np-239       | 0.0602 J  | 0.113  | 0.0358 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00089        | 40168     | Pa-231       | -0.294 U  | 0.687  | 0.225  | 0.936  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Pb-212       | 1.59      | 0.0371 | 0.0923 | 2.69   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Pb-214       | 1.07      | 0.0299 | 0.0508 | 1.7    | 0.00 - 0.50             |
| 8N-00089        | 40168     | Pu-238       | -0.0037 U | 0.0202 | 0.0037 | 0.0415 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Pu-239/240   | 0.0077    | 0.0069 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Pu-244       | 0.0051    | 0.0069 | 0.0036 | 0.0313 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Sb-125       | 0.0101 U  | 0.0478 | 0.0146 | 0.354  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Sn-126       | -0.0056 U | 0.0169 | 0.0052 | 0.0237 | 0.00 - 0.50             |
| 8N-00089        | 40168     | Sr-90        | 0.0377 U  | 0.19   | 0.0554 | 0.485  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Tc-99        | -0.451 U  | 1.68   | 0.484  | 1.63   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Th-228       | 1.16      | 0.112  | 0.124  | 3.98   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Th-229       | 0.0069 U  | 0.0741 | 0.0182 | 0.145  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Th-230       | 0.611     | 0.0739 | 0.076  | 2.2    | 0.00 - 0.50             |
| 8N-00089        | 40168     | Th-232       | 0.951     | 0.0504 | 0.0988 | 3.1    | 0.00 - 0.50             |
| 8N-00089        | 40168     | Th-234       | 1.34 J    | 0.231  | 0.138  | 3.19   | 0.00 - 0.50             |
| 8N-00089        | 40168     | Tl-208       | 0.521     | 0.019  | 0.0319 | 0.937  | 0.00 - 0.50             |
| 8N-00089        | 40168     | Tm-171       | -5.65 U   | 11.9   | 4.25   | 72.4   | 0.00 - 0.50             |
| 8N-00089        | 40168     | U-233/234    | 0.803     | 0.0349 | 0.0832 | 2.02   | 0.00 - 0.50             |
| 8N-00089        | 40168     | U-235/236    | 0.082     | 0.0148 | 0.022  | 0.151  | 0.00 - 0.50             |
| 8N-00089        | 40168     | U-238        | 0.792     | 0.012  | 0.082  | 1.8    | 0.00 - 0.50             |
| 8N-00090        | 40169     | Ac-227       | -0.067 U  | 0.188  | 0.0585 | 0.217  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Am-241       | 0.0021    | 0.0056 | 0.0021 | 0.0454 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Bi-212       | 0.868 J   | 0.165  | 0.106  | 2.15   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Bi-214       | 0.822     | 0.0302 | 0.041  | 1.59   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Cd-113m      | 4.96 U    | 129    | 39.4   | 3030   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Cm-243/244   | -0.0015 U | 0.0134 | 0.0026 | 0.0443 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Co-60        | -0.0043 U | 0.02   | 0.0061 | 0.028  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Cs-134       | 0.002 U   | 0.018  | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Cs-137       | 0.0866    | 0.017  | 0.0089 | 0.207  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Eu-152       | -0.0122 U | 0.0471 | 0.0157 | 0.0566 | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00090        | 40169     | Eu-154       | -0.0143 U | 0.11   | 0.0322 | 0.15   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Eu-155       | 0.0687 JS | 0.0708 | 0.0268 | 0.231  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Ho-166m      | 0.0091 U  | 0.0274 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00090        | 40169     | K-40         | 21.1      | 0.148  | 1.27   | 32.4   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Na-22        | 0.0029 U  | 0.0266 | 0.0078 | 0.037  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Nb-94        | 0.0063 U  | 0.0157 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Ni-59        | 0.406 U   | 5.46   | 1.45   | 5.96   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Ni-63        | -0.271 U  | 1.17   | 0.348  | 4.92   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Np-236       | 0.003 UJ  | 0.0361 | 0.0123 | 0.047  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Np-239       | 0.0089 U  | 0.124  | 0.0364 | 0.139  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Pa-231       | -0.126 U  | 0.8    | 0.249  | 0.936  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Pb-212       | 1.47      | 0.0388 | 0.0989 | 2.69   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Pb-214       | 0.907     | 0.0327 | 0.0494 | 1.7    | 0.00 - 0.50             |
| 8N-00090        | 40169     | Pu-238       | 0.0078    | 0.0151 | 0.0051 | 0.0415 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Pu-239/240   | 0.0054    | 0.015  | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Pu-244       | 0.0118    | 0.0064 | 0.0053 | 0.0313 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Sb-125       | 0.0086 U  | 0.0505 | 0.0153 | 0.354  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Sn-126       | 0.0073 U  | 0.0178 | 0.0054 | 0.0237 | 0.00 - 0.50             |
| 8N-00090        | 40169     | Sr-90        | 0.0451 U  | 0.125  | 0.0371 | 0.485  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Tc-99        | -0.943 U  | 1.84   | 0.522  | 1.63   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Th-228       | 1.61      | 0.0807 | 0.152  | 3.98   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Th-229       | 0.014     | 0.0189 | 0.0099 | 0.145  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Th-230       | 0.795     | 0.0513 | 0.0882 | 2.2    | 0.00 - 0.50             |
| 8N-00090        | 40169     | Th-232       | 1.13      | 0.0188 | 0.11   | 3.1    | 0.00 - 0.50             |
| 8N-00090        | 40169     | Th-234       | 1.38 J    | 0.356  | 0.359  | 3.19   | 0.00 - 0.50             |
| 8N-00090        | 40169     | Tl-208       | 0.439     | 0.0202 | 0.0267 | 0.937  | 0.00 - 0.50             |
| 8N-00090        | 40169     | Tm-171       | -2.14 U   | 17.6   | 5.28   | 72.4   | 0.00 - 0.50             |
| 8N-00090        | 40169     | U-233/234    | 1.01      | 0.0299 | 0.101  | 2.02   | 0.00 - 0.50             |
| 8N-00090        | 40169     | U-235/236    | 0.0249    | 0.037  | 0.0138 | 0.151  | 0.00 - 0.50             |
| 8N-00090        | 40169     | U-238        | 0.819     | 0.0614 | 0.0872 | 1.8    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00091        | 40170     | Ac-227       | 0.1 J      | 0.187  | 0.0598 | 0.217  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Am-241       | 0.01       | 0.012  | 0.0048 | 0.0454 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Bi-212       | 1.1        | 0.145  | 0.0906 | 2.15   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Bi-214       | 0.993      | 0.0277 | 0.046  | 1.59   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Cd-113m      | 10.5 U     | 123    | 36.5   | 3030   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Cm-243/244   | -0.0014 U  | 0.0123 | 0.0024 | 0.0443 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Co-60        | -0.0002 U  | 0.0171 | 0.0051 | 0.028  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Cs-134       | 0.0082 JS  | 0.0163 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Cs-137       | 0.153      | 0.0166 | 0.0113 | 0.207  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Eu-152       | -0.0431 UJ | 0.0445 | 0.0182 | 0.0566 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Eu-154       | -0.0373 U  | 0.0891 | 0.0328 | 0.15   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Eu-155       | 0.0885 JS  | 0.0674 | 0.0272 | 0.231  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Ho-166m      | -0.0035 U  | 0.0239 | 0.0071 | 0.0432 | 0.00 - 0.50             |
| 8N-00091        | 40170     | K-40         | 20.6       | 0.115  | 1.18   | 32.4   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Na-22        | -0.003 U   | 0.0212 | 0.0075 | 0.037  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Nb-94        | 0.0066 U   | 0.0148 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Ni-59        | -1.35 U    | 5.24   | 1.54   | 5.96   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Ni-63        | -0.006 U   | 1.46   | 0.435  | 4.92   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Np-236       | -0.0107 U  | 0.0345 | 0.0104 | 0.047  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Np-239       | 0.0182 U   | 0.121  | 0.0359 | 0.139  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Pa-231       | 0.106 U    | 0.742  | 0.229  | 0.936  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Pb-212       | 1.65       | 0.038  | 0.104  | 2.69   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Pb-214       | 1.11       | 0.0314 | 0.0548 | 1.7    | 0.00 - 0.50             |
| 8N-00091        | 40170     | Pu-236       | -0.002 U   | 0.0175 | 0.0034 | 0.0448 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Pu-238       | 0.0095     | 0.0064 | 0.0048 | 0.0415 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Pu-239/240   | 0.0007 U   | 0.015  | 0.0029 | 0.0404 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Pu-244       | 0.0047     | 0.0064 | 0.0034 | 0.0313 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Sb-125       | 0.0126 U   | 0.047  | 0.0143 | 0.354  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Sn-126       | -0.0023 U  | 0.0156 | 0.0046 | 0.0237 | 0.00 - 0.50             |
| 8N-00091        | 40170     | Sr-90        | 0.0187 U   | 0.126  | 0.0347 | 0.485  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00091        | 40170     | Tc-99        | 0.107 U   | 1.67   | 0.496  | 1.63   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Th-228       | 1.65      | 0.141  | 0.155  | 3.98   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Th-229       | 0.0614    | 0.0634 | 0.0248 | 0.145  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Th-230       | 1.01      | 0.0733 | 0.102  | 2.2    | 0.00 - 0.50             |
| 8N-00091        | 40170     | Th-232       | 1.28      | 0.0184 | 0.118  | 3.1    | 0.00 - 0.50             |
| 8N-00091        | 40170     | Th-234       | 1.51      | 0.27   | 0.149  | 3.19   | 0.00 - 0.50             |
| 8N-00091        | 40170     | Tl-208       | 0.488     | 0.0182 | 0.0281 | 0.937  | 0.00 - 0.50             |
| 8N-00091        | 40170     | Tm-171       | -3.88 U   | 13.8   | 4.91   | 72.4   | 0.00 - 0.50             |
| 8N-00091        | 40170     | U-233/234    | 1.03      | 0.0402 | 0.112  | 2.02   | 0.00 - 0.50             |
| 8N-00091        | 40170     | U-235/236    | 0.0859    | 0.0212 | 0.0267 | 0.151  | 0.00 - 0.50             |
| 8N-00091        | 40170     | U-238        | 0.823     | 0.0402 | 0.0949 | 1.8    | 0.00 - 0.50             |
| 8N-00092        | 40171     | Ac-227       | -0.0341 U | 0.168  | 0.0509 | 0.217  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Am-241       | 0.0045 U  | 0.0311 | 0.008  | 0.0454 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Bi-212       | 0.817 J   | 0.138  | 0.0833 | 2.15   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Bi-214       | 0.984     | 0.0258 | 0.0455 | 1.59   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Cd-113m      | 39.1 U    | 114    | 36     | 3030   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Cm-243/244   | 0.0065 U  | 0.0297 | 0.008  | 0.0443 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Co-60        | -0.0092 U | 0.0148 | 0.0051 | 0.028  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Cs-134       | 0.0071 U  | 0.0155 | 0.0053 | 0.0864 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Cs-137       | 0.0841    | 0.0147 | 0.0075 | 0.207  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Eu-152       | -0.0249 U | 0.0412 | 0.015  | 0.0566 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Eu-154       | -0.0212 U | 0.084  | 0.0258 | 0.15   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Eu-155       | 0.0952 JS | 0.0661 | 0.0302 | 0.231  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Ho-166m      | 0.0007 U  | 0.0225 | 0.0066 | 0.0432 | 0.00 - 0.50             |
| 8N-00092        | 40171     | K-40         | 20.8      | 0.103  | 1.19   | 32.4   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Na-22        | 0.0068 U  | 0.0209 | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Nb-94        | -0.0023 U | 0.0125 | 0.0037 | 0.0214 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Ni-59        | 1.21 U    | 3.42   | 0.876  | 5.96   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Ni-63        | -0.125 U  | 1.23   | 0.367  | 4.92   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Np-236       | -0.0051 U | 0.032  | 0.0094 | 0.047  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00092        | 40171     | Np-239       | 0.0124 U  | 0.112  | 0.0334 | 0.139  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Pa-231       | 0.246 U   | 0.694  | 0.22   | 0.936  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Pb-212       | 1.42      | 0.0347 | 0.0901 | 2.69   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Pb-214       | 1.09      | 0.0296 | 0.0535 | 1.7    | 0.00 - 0.50             |
| 8N-00092        | 40171     | Pu-238       | 0.0084    | 0.0162 | 0.0054 | 0.0415 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Pu-239/240   | 0.0076    | 0.0069 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Pu-244       | 0.0014 U  | 0.02   | 0.0044 | 0.0313 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Sb-125       | -0.0051 U | 0.044  | 0.0134 | 0.354  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Sn-126       | -0.0034 U | 0.0139 | 0.0042 | 0.0237 | 0.00 - 0.50             |
| 8N-00092        | 40171     | Sr-90        | 0.16      | 0.126  | 0.048  | 0.485  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Tc-99        | 0.0898 U  | 1.46   | 0.433  | 1.63   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Th-228       | 1.58 L    | 0.111  | 0.134  | 3.98   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Th-229       | 0.0244 L  | 0.0525 | 0.0162 | 0.145  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Th-230       | 0.89 L    | 0.0686 | 0.0834 | 2.2    | 0.00 - 0.50             |
| 8N-00092        | 40171     | Th-232       | 1.03 L    | 0.0357 | 0.0906 | 3.1    | 0.00 - 0.50             |
| 8N-00092        | 40171     | Th-234       | 1.2 J     | 0.253  | 0.128  | 3.19   | 0.00 - 0.50             |
| 8N-00092        | 40171     | Tl-208       | 0.455     | 0.017  | 0.0267 | 0.937  | 0.00 - 0.50             |
| 8N-00092        | 40171     | Tm-171       | -12.6 UJ  | 12.8   | 5.47   | 72.4   | 0.00 - 0.50             |
| 8N-00092        | 40171     | U-233/234    | 0.66      | 0.036  | 0.0732 | 2.02   | 0.00 - 0.50             |
| 8N-00092        | 40171     | U-235/236    | 0.0692    | 0.0359 | 0.0213 | 0.151  | 0.00 - 0.50             |
| 8N-00092        | 40171     | U-238        | 0.777     | 0.0291 | 0.0821 | 1.8    | 0.00 - 0.50             |
| 8N-00093        | 40172     | Ac-227       | -0.0127 U | 0.175  | 0.0514 | 0.217  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Am-241       | -0.0025 U | 0.0301 | 0.0067 | 0.0454 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Bi-212       | 1.09      | 0.145  | 0.0883 | 2.15   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Bi-214       | 0.839     | 0.0268 | 0.0407 | 1.59   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Cd-113m      | -9.51 U   | 116    | 34.1   | 3030   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Cm-243/244   | -0.0034 U | 0.0395 | 0.0095 | 0.0443 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Co-60        | -0.0034 U | 0.0171 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Cs-134       | 0.0031 U  | 0.0164 | 0.0057 | 0.0864 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Cs-137       | 0.173     | 0.0168 | 0.0125 | 0.207  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00093        | 40172     | Eu-152       | -0.0031 U | 0.0428 | 0.0132 | 0.0566 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Eu-154       | 0.0481 J  | 0.0961 | 0.0332 | 0.15   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Eu-155       | 0.0776 JS | 0.0621 | 0.0233 | 0.231  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Ho-166m      | -0.0078 U | 0.0231 | 0.0071 | 0.0432 | 0.00 - 0.50             |
| 8N-00093        | 40172     | K-40         | 21.8      | 0.121  | 1.23   | 32.4   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Na-22        | 0.0057 U  | 0.0229 | 0.0069 | 0.037  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Nb-94        | 0.0016 U  | 0.0136 | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Ni-59        | -1.68 U   | 3.27   | 1.04   | 5.96   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Ni-63        | -0.071 U  | 1.39   | 0.416  | 4.92   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Np-236       | -0.0085 U | 0.0314 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Np-239       | 0.0175 U  | 0.114  | 0.0332 | 0.139  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Pa-231       | 0.145 U   | 0.701  | 0.234  | 0.936  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Pb-212       | 1.6       | 0.0366 | 0.0968 | 2.69   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Pb-214       | 0.948     | 0.0294 | 0.0465 | 1.7    | 0.00 - 0.50             |
| 8N-00093        | 40172     | Pu-238       | 0.0056 U  | 0.0245 | 0.0067 | 0.0415 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Pu-239/240   | 0.0194    | 0.0133 | 0.0069 | 0.0404 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Pu-244       | 0.0104    | 0.0057 | 0.0047 | 0.0313 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Sb-125       | 0.0176 U  | 0.0456 | 0.014  | 0.354  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Sn-126       | 0.0031 U  | 0.0153 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00093        | 40172     | Sr-90        | 0.171     | 0.167  | 0.0582 | 0.485  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Tc-99        | 0.359 U   | 1.71   | 0.508  | 1.63   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Th-228       | 1.66      | 0.126  | 0.156  | 3.98   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Th-229       | 0.0401    | 0.0492 | 0.019  | 0.145  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Th-230       | 0.987     | 0.0491 | 0.0996 | 2.2    | 0.00 - 0.50             |
| 8N-00093        | 40172     | Th-232       | 1.04      | 0.0716 | 0.104  | 3.1    | 0.00 - 0.50             |
| 8N-00093        | 40172     | Th-234       | 1.46 J    | 0.248  | 0.139  | 3.19   | 0.00 - 0.50             |
| 8N-00093        | 40172     | Tl-208       | 0.493     | 0.019  | 0.0282 | 0.937  | 0.00 - 0.50             |
| 8N-00093        | 40172     | Tm-171       | 2.13 U    | 12.2   | 4.1    | 72.4   | 0.00 - 0.50             |
| 8N-00093        | 40172     | U-233/234    | 0.786     | 0.0348 | 0.0876 | 2.02   | 0.00 - 0.50             |
| 8N-00093        | 40172     | U-235/236    | 0.081     | 0.0183 | 0.0241 | 0.151  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00093        | 40172     | U-238        | 1.01      | 0.0348 | 0.105  | 1.8    | 0.00 - 0.50             |
| 8N-00094        | 40173     | Ac-227       | -0.119 U  | 0.192  | 0.0665 | 0.217  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Am-241       | 0.0056 U  | 0.0173 | 0.0049 | 0.0454 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Am-243       | 0.0039 U  | 0.0197 | 0.005  | 0.0333 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Bi-212       | 1.18      | 0.163  | 0.102  | 2.15   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Bi-214       | 0.961     | 0.0282 | 0.0463 | 1.59   | 0.00 - 0.50             |
| 8N-00094        | 40173     | C-14         | -0.0809 U | 0.828  | 0.247  | 2.96   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Cd-113m      | 19.8 U    | 130    | 39.7   | 3030   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Cm-243/244   | -0.0049 U | 0.0203 | 0.0036 | 0.0443 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Co-60        | -0.007 U  | 0.0191 | 0.0061 | 0.028  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Cs-134       | 0.0107 JS | 0.0184 | 0.0065 | 0.0864 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Cs-137       | 0.0858    | 0.0177 | 0.0087 | 0.207  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Eu-152       | -0.041 UJ | 0.0473 | 0.0172 | 0.0566 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Eu-154       | -0.0691 U | 0.101  | 0.0351 | 0.15   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Eu-155       | 0.0576 JS | 0.0702 | 0.0255 | 0.231  | 0.00 - 0.50             |
| 8N-00094        | 40173     | H-3          | -0.835 U  | 6.03   | 1.65   | 11.9   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Ho-166m      | -0.0065 U | 0.0266 | 0.0083 | 0.0432 | 0.00 - 0.50             |
| 8N-00094        | 40173     | K-40         | 21.2      | 0.133  | 1.21   | 32.4   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Na-22        | 0.0017 UJ | 0.025  | 0.0082 | 0.037  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Nb-94        | 0.005 U   | 0.0158 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Ni-59        | -1.3 U    | 3.13   | 0.957  | 5.96   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Ni-63        | 0.861     | 1.49   | 0.461  | 4.92   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Np-236       | -0.0074 U | 0.0348 | 0.0104 | 0.047  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Np-239       | 0.036 U   | 0.127  | 0.0393 | 0.139  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Pa-231       | 0.241 U   | 0.8    | 0.249  | 0.936  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Pb-212       | 1.89      | 0.041  | 0.113  | 2.69   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Pb-214       | 1.04      | 0.0342 | 0.0511 | 1.7    | 0.00 - 0.50             |
| 8N-00094        | 40173     | Pu-238       | 0.0059    | 0.0164 | 0.0048 | 0.0415 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Pu-239/240   | 0.0084    | 0.0163 | 0.0055 | 0.0404 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Pu-244       | 0.0033 U  | 0.0163 | 0.0041 | 0.0313 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00094        | 40173     | Sb-125       | 0.0186 U  | 0.0516 | 0.0154 | 0.354  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Sn-126       | 0.0032 U  | 0.0173 | 0.0052 | 0.0237 | 0.00 - 0.50             |
| 8N-00094        | 40173     | Sr-90        | 0.0848 U  | 0.151  | 0.0477 | 0.485  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Tc-99        | -0.695 U  | 1.32   | 0.37   | 1.63   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Th-228       | 1.47 J    | 0.183  | 0.158  | 3.98   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Th-229       | 0.0544    | 0.0722 | 0.026  | 0.145  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Th-230       | 1.01      | 0.0571 | 0.109  | 2.2    | 0.00 - 0.50             |
| 8N-00094        | 40173     | Th-232       | 1.41      | 0.101  | 0.138  | 3.1    | 0.00 - 0.50             |
| 8N-00094        | 40173     | Th-234       | 1.51 J    | 0.28   | 0.159  | 3.19   | 0.00 - 0.50             |
| 8N-00094        | 40173     | Tl-208       | 0.583     | 0.0201 | 0.0338 | 0.937  | 0.00 - 0.50             |
| 8N-00094        | 40173     | Tm-171       | 0.132 U   | 16.2   | 5.57   | 72.4   | 0.00 - 0.50             |
| 8N-00094        | 40173     | U-233/234    | 0.873     | 0.0574 | 0.0997 | 2.02   | 0.00 - 0.50             |
| 8N-00094        | 40173     | U-235/236    | 0.0157    | 0.0212 | 0.0111 | 0.151  | 0.00 - 0.50             |
| 8N-00094        | 40173     | U-238        | 0.78      | 0.0172 | 0.0913 | 1.8    | 0.00 - 0.50             |
| 8N-00094        | 40174     | Ac-227       | 0.0415 U  | 0.19   | 0.0562 | 0.217  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Am-241       | 0.0011 U  | 0.0277 | 0.0069 | 0.0454 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Am-243       | 0.0149    | 0.0156 | 0.0063 | 0.0333 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Bi-212       | 1.08      | 0.166  | 0.0927 | 2.15   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Bi-214       | 0.832     | 0.0308 | 0.0412 | 1.59   | 1.00 - 5.00             |
| 8N-00094        | 40174     | C-14         | -0.0947 U | 0.793  | 0.235  | 2.96   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Cd-113m      | -22.3 U   | 124    | 37.1   | 3030   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Cm-243/244   | 0.0147    | 0.0207 | 0.0073 | 0.0443 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Co-60        | 0.0018 U  | 0.0197 | 0.0057 | 0.028  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Cs-134       | -0.0017 U | 0.0183 | 0.0062 | 0.0864 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Cs-137       | -0.0055 U | 0.0192 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Eu-152       | -0.0221 U | 0.0456 | 0.0149 | 0.0566 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Eu-154       | -0.012 U  | 0.108  | 0.0314 | 0.15   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Eu-155       | 0.0848 JS | 0.0673 | 0.0285 | 0.231  | 1.00 - 5.00             |
| 8N-00094        | 40174     | H-3          | 0.595 U   | 7.01   | 2.08   | 11.9   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Ho-166m      | 0.0007 U  | 0.0283 | 0.0083 | 0.0432 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00094        | 40174     | K-40         | 19        | 0.144  | 1.04   | 32.4   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Na-22        | 0.0058 U  | 0.0259 | 0.0076 | 0.037  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Nb-94        | 0.0095 J  | 0.017  | 0.0053 | 0.0214 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Ni-59        | -2.33 U   | 4.01   | 1.32   | 5.96   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Ni-63        | 0.407 U   | 1.17   | 0.356  | 4.92   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Np-236       | -0.0138 U | 0.0335 | 0.0108 | 0.047  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Np-239       | -0.0087 U | 0.122  | 0.0359 | 0.139  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Pa-231       | -0.278 U  | 0.762  | 0.238  | 0.936  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Pb-212       | 1.7       | 0.038  | 0.0981 | 2.69   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Pb-214       | 0.886     | 0.033  | 0.0435 | 1.7    | 1.00 - 5.00             |
| 8N-00094        | 40174     | Pu-238       | -0.0009 U | 0.0161 | 0.0029 | 0.0415 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Pu-239/240   | 0.0006 U  | 0.0129 | 0.0025 | 0.0404 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Pu-244       | 0.0041 J  | 0.0055 | 0.0029 | 0.0313 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Sb-125       | 0.01 UJ   | 0.0502 | 0.0151 | 0.354  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Sn-126       | 0.0004 U  | 0.0185 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8N-00094        | 40174     | Sr-90        | 0.328     | 0.197  | 0.0778 | 0.485  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Tc-99        | 0.0166 U  | 1.59   | 0.464  | 1.63   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Th-228       | 1.7 J     | 0.113  | 0.199  | 3.98   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Th-229       | 0.0124 UJ | 0.115  | 0.0276 | 0.145  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Th-230       | 0.826     | 0.114  | 0.118  | 2.2    | 1.00 - 5.00             |
| 8N-00094        | 40174     | Th-232       | 1.2       | 0.0905 | 0.147  | 3.1    | 1.00 - 5.00             |
| 8N-00094        | 40174     | Th-234       | 1.56      | 0.266  | 0.155  | 3.19   | 1.00 - 5.00             |
| 8N-00094        | 40174     | Tl-208       | 0.537     | 0.0206 | 0.031  | 0.937  | 1.00 - 5.00             |
| 8N-00094        | 40174     | Tm-171       | -4.25 U   | 13.5   | 4.61   | 72.4   | 1.00 - 5.00             |
| 8N-00094        | 40174     | U-233/234    | 0.738     | 0.0989 | 0.11   | 2.02   | 1.00 - 5.00             |
| 8N-00094        | 40174     | U-235/236    | 0.0135    | 0.0366 | 0.0136 | 0.151  | 1.00 - 5.00             |
| 8N-00094        | 40174     | U-238        | 0.735     | 0.0696 | 0.108  | 1.8    | 1.00 - 5.00             |
| 8N-00095        | 40175     | Ac-227       | 0.0595 U  | 0.183  | 0.055  | 0.217  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Am-241       | 0.011     | 0.0132 | 0.0054 | 0.0454 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Am-243       | 0.002 U   | 0.0218 | 0.0052 | 0.0333 | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00095        | 40175     | Bi-212       | 1.13       | 0.158  | 0.0954 | 2.15   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Bi-214       | 0.975      | 0.029  | 0.0458 | 1.59   | 0.00 - 0.50             |
| 8N-00095        | 40175     | C-14         | -0.499 U   | 0.916  | 0.269  | 2.96   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Cd-113m      | 8.03 U     | 120    | 36.6   | 3030   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Cm-243/244   | 0.0018 U   | 0.0192 | 0.0045 | 0.0443 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Co-60        | -0.0064 U  | 0.0183 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Cs-134       | -0.0035 U  | 0.0172 | 0.0059 | 0.0864 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Cs-137       | 0.0661     | 0.016  | 0.0077 | 0.207  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Eu-152       | 0.0026 U   | 0.0461 | 0.0157 | 0.0566 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Eu-154       | 0.0136 U   | 0.0958 | 0.0317 | 0.15   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Eu-155       | 0.0638 JS  | 0.0657 | 0.0279 | 0.231  | 0.00 - 0.50             |
| 8N-00095        | 40175     | H-3          | -1.51 U    | 5.93   | 1.58   | 11.9   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Ho-166m      | -0.0002 U  | 0.0259 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00095        | 40175     | K-40         | 19.2       | 0.139  | 1.04   | 32.4   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Na-22        | -0.0205 UJ | 0.0224 | 0.0085 | 0.037  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Nb-94        | 0.0141 JS  | 0.0157 | 0.0055 | 0.0214 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Ni-59        | -2.98 UJ   | 3.33   | 1.27   | 5.96   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Ni-63        | -0.481 U   | 0.975  | 0.285  | 4.92   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Np-236       | -0.0003 U  | 0.0331 | 0.0101 | 0.047  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Np-239       | -0.0118 U  | 0.116  | 0.0343 | 0.139  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Pa-231       | -0.202 U   | 0.725  | 0.252  | 0.936  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Pb-212       | 1.66       | 0.0372 | 0.0955 | 2.69   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Pb-214       | 1.08       | 0.0318 | 0.0523 | 1.7    | 0.00 - 0.50             |
| 8N-00095        | 40175     | Pu-238       | 0.0052     | 0.0146 | 0.0043 | 0.0415 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Pu-239/240   | -0.001 U   | 0.018  | 0.0033 | 0.0404 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Pu-244       | 0.0069     | 0.0062 | 0.004  | 0.0313 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Sb-125       | 0.0117 U   | 0.0491 | 0.0149 | 0.354  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Sn-126       | 0.0086 J   | 0.0172 | 0.0053 | 0.0237 | 0.00 - 0.50             |
| 8N-00095        | 40175     | Sr-90        | 0.291      | 0.133  | 0.0617 | 0.485  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Tc-99        | -0.319 U   | 1.37   | 0.395  | 1.63   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00095        | 40175     | Th-228       | 1.72 J     | 0.252  | 0.206  | 3.98   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Th-229       | 0.0444 UJ  | 0.146  | 0.0416 | 0.145  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Th-230       | 1.16       | 0.03   | 0.139  | 2.2    | 0.00 - 0.50             |
| 8N-00095        | 40175     | Th-232       | 1.27       | 0.0299 | 0.147  | 3.1    | 0.00 - 0.50             |
| 8N-00095        | 40175     | Th-234       | 1.36 J     | 0.267  | 0.132  | 3.19   | 0.00 - 0.50             |
| 8N-00095        | 40175     | Tl-208       | 0.531      | 0.0198 | 0.0308 | 0.937  | 0.00 - 0.50             |
| 8N-00095        | 40175     | Tm-171       | -8.5 U     | 13.1   | 4.85   | 72.4   | 0.00 - 0.50             |
| 8N-00095        | 40175     | U-233/234    | 0.764      | 0.0166 | 0.0889 | 2.02   | 0.00 - 0.50             |
| 8N-00095        | 40175     | U-235/236    | 0.0454     | 0.0205 | 0.0189 | 0.151  | 0.00 - 0.50             |
| 8N-00095        | 40175     | U-238        | 0.781      | 0.0483 | 0.0909 | 1.8    | 0.00 - 0.50             |
| 8N-00095        | 40176     | Ac-227       | 0.0204 U   | 0.203  | 0.061  | 0.217  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Am-241       | 0.0132     | 0.0089 | 0.0067 | 0.0454 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Am-243       | 0.0047 UJ  | 0.0222 | 0.0059 | 0.0333 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Bi-212       | 1.05       | 0.165  | 0.101  | 2.15   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Bi-214       | 0.92       | 0.0314 | 0.045  | 1.59   | 1.00 - 5.00             |
| 8N-00095        | 40176     | C-14         | -0.0559 U  | 0.819  | 0.243  | 2.96   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Cd-113m      | -36.5 U    | 134    | 47.5   | 3030   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Cm-243/244   | 0.0211     | 0.0214 | 0.0094 | 0.0443 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Co-60        | -0.0037 U  | 0.0196 | 0.0059 | 0.028  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Cs-134       | 0.0001 U   | 0.0185 | 0.0063 | 0.0864 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Cs-137       | 0.0129 J   | 0.0186 | 0.0067 | 0.207  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Eu-152       | -0.031 U   | 0.049  | 0.0192 | 0.0566 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Eu-154       | -0.0261 U  | 0.111  | 0.0331 | 0.15   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Eu-155       | 0.077 JS   | 0.0755 | 0.0294 | 0.231  | 1.00 - 5.00             |
| 8N-00095        | 40176     | H-3          | -1.73 U    | 7.05   | 2.05   | 11.9   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Ho-166m      | -0.005 U   | 0.0282 | 0.0086 | 0.0432 | 1.00 - 5.00             |
| 8N-00095        | 40176     | K-40         | 19.6       | 0.135  | 1.1    | 32.4   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Na-22        | -0.0174 UJ | 0.0238 | 0.0084 | 0.037  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Nb-94        | 0.0031 U   | 0.0165 | 0.0049 | 0.0214 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Ni-59        | -0.391 U   | 4.34   | 1.23   | 5.96   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00095        | 40176     | Ni-63        | 0.185 U    | 1.28   | 0.383  | 4.92   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Np-236       | -0.0127 U  | 0.0381 | 0.012  | 0.047  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Np-239       | -0.0042 U  | 0.135  | 0.0405 | 0.139  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Pa-231       | 0.13 U     | 0.848  | 0.293  | 0.936  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Pb-212       | 1.85       | 0.042  | 0.109  | 2.69   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Pb-214       | 0.976      | 0.036  | 0.0474 | 1.7    | 1.00 - 5.00             |
| 8N-00095        | 40176     | Pu-238       | 0.0025 U   | 0.0125 | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Pu-239/240   | 0.007      | 0.0154 | 0.0048 | 0.0404 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Pu-244       | 0.0039 J   | 0.0053 | 0.0028 | 0.0313 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Sb-125       | -0.0017 UJ | 0.0531 | 0.0154 | 0.354  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Sn-126       | 0.0037 U   | 0.0183 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8N-00095        | 40176     | Sr-90        | 0.117 U    | 0.225  | 0.0699 | 0.485  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Tc-99        | -0.131 U   | 1.42   | 0.411  | 1.63   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Th-228       | 1.47 J     | 0.126  | 0.163  | 3.98   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Th-229       | 0.019      | 0.0257 | 0.0135 | 0.145  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Th-230       | 0.927      | 0.0696 | 0.111  | 2.2    | 1.00 - 5.00             |
| 8N-00095        | 40176     | Th-232       | 1.35       | 0.0876 | 0.142  | 3.1    | 1.00 - 5.00             |
| 8N-00095        | 40176     | Th-234       | 1.37 J     | 0.308  | 0.15   | 3.19   | 1.00 - 5.00             |
| 8N-00095        | 40176     | Tl-208       | 0.578      | 0.0208 | 0.0332 | 0.937  | 1.00 - 5.00             |
| 8N-00095        | 40176     | Tm-171       | -8.64 U    | 15.8   | 5.99   | 72.4   | 1.00 - 5.00             |
| 8N-00095        | 40176     | U-233/234    | 0.65       | 0.0811 | 0.0985 | 2.02   | 1.00 - 5.00             |
| 8N-00095        | 40176     | U-235/236    | 0.0381     | 0.0345 | 0.0222 | 0.151  | 1.00 - 5.00             |
| 8N-00095        | 40176     | U-238        | 0.939      | 0.0655 | 0.125  | 1.8    | 1.00 - 5.00             |
| 8N-00096        | 40177     | Ac-227       | -0.0012 U  | 0.211  | 0.0647 | 0.217  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Am-241       | 0.009      | 0.0061 | 0.0046 | 0.0454 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Am-243       | 0.0153     | 0.0184 | 0.0071 | 0.0333 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Bi-212       | 1.15 J     | 0.22   | 0.135  | 2.15   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Bi-214       | 0.982      | 0.04   | 0.0503 | 1.59   | 0.00 - 0.50             |
| 8N-00096        | 40177     | C-14         | -0.0457 U  | 0.918  | 0.274  | 2.96   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Cd-113m      | 1.47 U     | 141    | 43.5   | 3030   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00096        | 40177     | Cm-243/244   | -0.0017 U  | 0.0147 | 0.0029 | 0.0443 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Co-60        | 0.0043 U   | 0.0281 | 0.008  | 0.028  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Cs-134       | 0.0069 U   | 0.0242 | 0.0083 | 0.0864 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Cs-137       | 0.0553     | 0.0233 | 0.0096 | 0.207  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Eu-152       | -0.0514 UJ | 0.0537 | 0.0208 | 0.0566 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Eu-154       | -0.0412 U  | 0.135  | 0.0419 | 0.15   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Eu-155       | 0.111 JS   | 0.0625 | 0.0262 | 0.231  | 0.00 - 0.50             |
| 8N-00096        | 40177     | H-3          | 0.227 U    | 6.1    | 1.72   | 11.9   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Ho-166m      | -0.0092 U  | 0.0356 | 0.0106 | 0.0432 | 0.00 - 0.50             |
| 8N-00096        | 40177     | K-40         | 21.2       | 0.187  | 1.18   | 32.4   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Na-22        | -0.0104 UJ | 0.0335 | 0.0101 | 0.037  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Nb-94        | 0.0084 U   | 0.0209 | 0.0062 | 0.0214 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Ni-59        | -1.24 U    | 3.44   | 1.03   | 5.96   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Ni-63        | 0.27 U     | 0.985  | 0.298  | 4.92   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Np-236       | -0.0152 U  | 0.0329 | 0.0104 | 0.047  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Np-239       | 0.0148 U   | 0.135  | 0.0413 | 0.139  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Pa-231       | 0.0382 U   | 0.886  | 0.287  | 0.936  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Pb-212       | 1.96       | 0.0429 | 0.11   | 2.69   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Pb-214       | 1.06       | 0.0392 | 0.0516 | 1.7    | 0.00 - 0.50             |
| 8N-00096        | 40177     | Pu-238       | -0.0025 U  | 0.0192 | 0.0034 | 0.0415 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Pu-239/240   | -0.004 U   | 0.0212 | 0.0037 | 0.0404 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Pu-244       | 0.0042     | 0.0057 | 0.003  | 0.0313 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Sb-125       | 0.0126 U   | 0.0621 | 0.0183 | 0.354  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Sn-126       | 0.0118 J   | 0.0237 | 0.0071 | 0.0237 | 0.00 - 0.50             |
| 8N-00096        | 40177     | Sr-90        | 1.26       | 0.177  | 0.159  | 0.485  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Tc-99        | -0.418 U   | 1.3    | 0.37   | 1.63   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Th-228       | 1.82 J     | 0.291  | 0.194  | 3.98   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Th-229       | 0.0148 UJ  | 0.0968 | 0.0256 | 0.145  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Th-230       | 1.16       | 0.0793 | 0.121  | 2.2    | 0.00 - 0.50             |
| 8N-00096        | 40177     | Th-232       | 1.43       | 0.0199 | 0.14   | 3.1    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00096        | 40177     | Th-234       | 1.82 J     | 0.233  | 0.157  | 3.19   | 0.00 - 0.50             |
| 8N-00096        | 40177     | Tl-208       | 0.629      | 0.0271 | 0.0384 | 0.937  | 0.00 - 0.50             |
| 8N-00096        | 40177     | Tm-171       | 4.73 J     | 9.38   | 3.16   | 72.4   | 0.00 - 0.50             |
| 8N-00096        | 40177     | U-233/234    | 0.77       | 0.0408 | 0.0913 | 2.02   | 0.00 - 0.50             |
| 8N-00096        | 40177     | U-235/236    | 0.0791     | 0.0214 | 0.0257 | 0.151  | 0.00 - 0.50             |
| 8N-00096        | 40177     | U-238        | 0.708      | 0.0505 | 0.0864 | 1.8    | 0.00 - 0.50             |
| 8N-00096        | 40178     | Ac-227       | -0.0357 U  | 0.201  | 0.0608 | 0.217  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Am-241       | -0.0073 U  | 0.0373 | 0.0082 | 0.0454 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Am-243       | -0.0018 U  | 0.0204 | 0.0041 | 0.0333 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Bi-212       | 1.32       | 0.162  | 0.11   | 2.15   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Bi-214       | 1.04       | 0.0294 | 0.0487 | 1.59   | 1.00 - 5.00             |
| 8N-00096        | 40178     | C-14         | -0.124 U   | 0.783  | 0.232  | 2.96   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Cd-113m      | -17.5 U    | 132    | 45.2   | 3030   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Cm-243/244   | 0.0061 U   | 0.0395 | 0.0107 | 0.0443 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Co-60        | -0.0055 U  | 0.0177 | 0.0056 | 0.028  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Cs-134       | -0.0043 U  | 0.0177 | 0.0061 | 0.0864 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Cs-137       | -0.004 U   | 0.0179 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Eu-152       | -0.0461 UJ | 0.0478 | 0.0196 | 0.0566 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Eu-154       | -0.0419 U  | 0.102  | 0.0324 | 0.15   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Eu-155       | 0.0965 JS  | 0.0778 | 0.0329 | 0.231  | 1.00 - 5.00             |
| 8N-00096        | 40178     | H-3          | -0.764 U   | 6.44   | 1.89   | 11.9   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Ho-166m      | 0.0045 U   | 0.027  | 0.0078 | 0.0432 | 1.00 - 5.00             |
| 8N-00096        | 40178     | K-40         | 20         | 0.12   | 1.15   | 32.4   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Na-22        | -0.0045 U  | 0.0239 | 0.0073 | 0.037  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Nb-94        | 0.0151 J   | 0.0166 | 0.0058 | 0.0214 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Ni-59        | 0.878 U    | 5.1    | 1.4    | 5.96   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Ni-63        | -0.0388 U  | 1.25   | 0.373  | 4.92   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Np-236       | -0.0152 U  | 0.037  | 0.0115 | 0.047  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Np-239       | 0.015 U    | 0.131  | 0.0389 | 0.139  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Pa-231       | -0.337 U   | 0.793  | 0.262  | 0.936  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00096        | 40178     | Pb-212       | 1.96      | 0.0402 | 0.124  | 2.69   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Pb-214       | 1.15      | 0.0348 | 0.0576 | 1.7    | 1.00 - 5.00             |
| 8N-00096        | 40178     | Pu-238       | 0.0024    | 0.0064 | 0.0024 | 0.0415 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Pu-239/240   | 0.0016 U  | 0.0274 | 0.0067 | 0.0404 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Pu-244       | 0.0013 UJ | 0.0185 | 0.0041 | 0.0313 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Sb-125       | 0.0048 UJ | 0.0518 | 0.0156 | 0.354  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Sn-126       | 0.0042 U  | 0.0177 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8N-00096        | 40178     | Sr-90        | 0.0811 U  | 0.193  | 0.0583 | 0.485  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Tc-99        | -0.284 U  | 1.51   | 0.433  | 1.63   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Th-228       | 1.35 J    | 0.223  | 0.152  | 3.98   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Th-229       | 0.0862    | 0.0662 | 0.0294 | 0.145  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Th-230       | 0.878     | 0.085  | 0.0997 | 2.2    | 1.00 - 5.00             |
| 8N-00096        | 40178     | Th-232       | 1.21      | 0.0658 | 0.122  | 3.1    | 1.00 - 5.00             |
| 8N-00096        | 40178     | Th-234       | 1.42 J    | 0.294  | 0.157  | 3.19   | 1.00 - 5.00             |
| 8N-00096        | 40178     | Tl-208       | 0.599     | 0.0209 | 0.0344 | 0.937  | 1.00 - 5.00             |
| 8N-00096        | 40178     | Tm-171       | -6.05 U   | 14.8   | 5.4    | 72.4   | 1.00 - 5.00             |
| 8N-00096        | 40178     | U-233/234    | 0.736     | 0.0299 | 0.108  | 2.02   | 1.00 - 5.00             |
| 8N-00096        | 40178     | U-235/236    | 0.0409    | 0.0369 | 0.0238 | 0.151  | 1.00 - 5.00             |
| 8N-00096        | 40178     | U-238        | 0.94      | 0.0702 | 0.128  | 1.8    | 1.00 - 5.00             |
| 8N-00097        | 40179     | Ac-227       | 0.0093 U  | 0.177  | 0.0527 | 0.217  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Am-241       | 0.0052 U  | 0.0161 | 0.0046 | 0.0454 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Am-243       | -0.0034 U | 0.0188 | 0.0034 | 0.0333 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Bi-212       | 1.09      | 0.149  | 0.0939 | 2.15   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Bi-214       | 0.82      | 0.0268 | 0.0425 | 1.59   | 0.00 - 0.50             |
| 8N-00097        | 40179     | C-14         | 0.0924 U  | 0.732  | 0.219  | 2.96   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Cd-113m      | -7.05 U   | 118    | 36.5   | 3030   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Cm-243/244   | -0.0015 U | 0.0133 | 0.0026 | 0.0443 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Co-60        | -0.0091 U | 0.0157 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Cs-134       | 0.0003 U  | 0.0157 | 0.0052 | 0.0864 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Cs-137       | 0.0379    | 0.0153 | 0.0068 | 0.207  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00097        | 40179     | Eu-152       | -0.0236 U  | 0.0426 | 0.0172 | 0.0566 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Eu-154       | 0.0473 J   | 0.0934 | 0.0324 | 0.15   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Eu-155       | 0.0758 JS  | 0.0666 | 0.0265 | 0.231  | 0.00 - 0.50             |
| 8N-00097        | 40179     | H-3          | 0.469 U    | 5.91   | 1.68   | 11.9   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Ho-166m      | -0.0064 U  | 0.0236 | 0.0072 | 0.0432 | 0.00 - 0.50             |
| 8N-00097        | 40179     | K-40         | 19.2       | 0.116  | 1.1    | 32.4   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Na-22        | -0.0065 UJ | 0.0205 | 0.0065 | 0.037  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Nb-94        | 0.0063 U   | 0.0142 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Ni-59        | -4.2 UJ    | 3.46   | 1.51   | 5.96   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Ni-63        | -0.413 U   | 1.15   | 0.339  | 4.92   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Np-236       | 0.0006 U   | 0.0335 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Np-239       | 0.0168 U   | 0.12   | 0.0358 | 0.139  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Pa-231       | -0.201 U   | 0.722  | 0.223  | 0.936  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Pb-212       | 1.74       | 0.0368 | 0.11   | 2.69   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Pb-214       | 0.926      | 0.0307 | 0.0467 | 1.7    | 0.00 - 0.50             |
| 8N-00097        | 40179     | Pu-238       | 0.0007 U   | 0.0164 | 0.0032 | 0.0415 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Pu-239/240   | -0.0019 U  | 0.0164 | 0.0032 | 0.0404 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Pu-244       | 0.0128     | 0.007  | 0.0058 | 0.0313 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Sb-125       | 0.0074 U   | 0.046  | 0.0139 | 0.354  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Sn-126       | 0.0089 J   | 0.0155 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00097        | 40179     | Sr-90        | 0.64       | 0.155  | 0.0987 | 0.485  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Tc-99        | -0.388 U   | 1.27   | 0.364  | 1.63   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Th-228       | 1.66       | 0.0939 | 0.156  | 3.98   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Th-229       | -0.0209 U  | 0.0912 | 0.0184 | 0.145  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Th-230       | 0.86       | 0.0644 | 0.0933 | 2.2    | 0.00 - 0.50             |
| 8N-00097        | 40179     | Th-232       | 1.37       | 0.0509 | 0.127  | 3.1    | 0.00 - 0.50             |
| 8N-00097        | 40179     | Th-234       | 1.46 J     | 0.268  | 0.155  | 3.19   | 0.00 - 0.50             |
| 8N-00097        | 40179     | Tl-208       | 0.543      | 0.0185 | 0.0309 | 0.937  | 0.00 - 0.50             |
| 8N-00097        | 40179     | Tm-171       | 0.497 U    | 13.6   | 4.73   | 72.4   | 0.00 - 0.50             |
| 8N-00097        | 40179     | U-233/234    | 0.564      | 0.057  | 0.074  | 2.02   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00097        | 40179     | U-235/236    | 0.0644    | 0.0496 | 0.0245 | 0.151  | 0.00 - 0.50             |
| 8N-00097        | 40179     | U-238        | 0.908     | 0.0401 | 0.102  | 1.8    | 0.00 - 0.50             |
| 8N-00097        | 40180     | Ac-227       | -0.0841 U | 0.201  | 0.0654 | 0.217  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Am-241       | 0.0002 U  | 0.0319 | 0.008  | 0.0454 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Am-243       | -0.0015 U | 0.0136 | 0.0026 | 0.0333 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Bi-212       | 1.11      | 0.167  | 0.11   | 2.15   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Bi-214       | 0.913     | 0.0317 | 0.0451 | 1.59   | 1.00 - 5.00             |
| 8N-00097        | 40180     | C-14         | -0.0879 U | 0.774  | 0.229  | 2.96   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Cd-113m      | -35.1 U   | 133    | 41.8   | 3030   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Cm-243/244   | -0.0124 U | 0.0338 | 0.0067 | 0.0443 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Co-60        | -0.0027 U | 0.02   | 0.006  | 0.028  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Cs-134       | -0.0009 U | 0.0191 | 0.0066 | 0.0864 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Cs-137       | -0.0045 U | 0.0192 | 0.006  | 0.207  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Eu-152       | 0.0002 U  | 0.0503 | 0.0156 | 0.0566 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Eu-154       | -0.064 U  | 0.112  | 0.0374 | 0.15   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Eu-155       | 0.117 JS  | 0.072  | 0.0361 | 0.231  | 1.00 - 5.00             |
| 8N-00097        | 40180     | H-3          | 5.75      | 6.88   | 2.13   | 11.9   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Ho-166m      | -0.0087 U | 0.0279 | 0.0089 | 0.0432 | 1.00 - 5.00             |
| 8N-00097        | 40180     | K-40         | 22        | 0.144  | 1.26   | 32.4   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Na-22        | 0.0066 U  | 0.0277 | 0.0083 | 0.037  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Nb-94        | 0.0103 J  | 0.0173 | 0.0056 | 0.0214 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Ni-59        | -2.81 U   | 4.38   | 1.47   | 5.96   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Ni-63        | -0.448 U  | 1.05   | 0.302  | 4.92   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Np-236       | -0.022 U  | 0.036  | 0.0119 | 0.047  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Np-239       | 0.038 UJ  | 0.133  | 0.041  | 0.139  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Pa-231       | -0.145 U  | 0.778  | 0.243  | 0.936  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Pb-212       | 1.99      | 0.0419 | 0.119  | 2.69   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Pb-214       | 0.99      | 0.0346 | 0.0492 | 1.7    | 1.00 - 5.00             |
| 8N-00097        | 40180     | Pu-238       | 0.0069    | 0.0062 | 0.004  | 0.0415 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Pu-239/240   | -0.0033 U | 0.0179 | 0.0033 | 0.0404 | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00097        | 40180     | Pu-244       | 0.0156    | 0.0206 | 0.0074 | 0.0313 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Sb-125       | 0.007 U   | 0.0524 | 0.0153 | 0.354  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Sn-126       | 0.0067 U  | 0.0184 | 0.0056 | 0.0237 | 1.00 - 5.00             |
| 8N-00097        | 40180     | Sr-90        | 0.08 U    | 0.245  | 0.0725 | 0.485  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Tc-99        | 0.4 U     | 0.976  | 0.296  | 1.63   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Th-228       | 1.9       | 0.0928 | 0.17   | 3.98   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Th-229       | 0.0487    | 0.0646 | 0.0232 | 0.145  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Th-230       | 0.805     | 0.0645 | 0.089  | 2.2    | 1.00 - 5.00             |
| 8N-00097        | 40180     | Th-232       | 1.38      | 0.0188 | 0.126  | 3.1    | 1.00 - 5.00             |
| 8N-00097        | 40180     | Th-234       | 1.62 J    | 0.284  | 0.172  | 3.19   | 1.00 - 5.00             |
| 8N-00097        | 40180     | Tl-208       | 0.602     | 0.0221 | 0.0347 | 0.937  | 1.00 - 5.00             |
| 8N-00097        | 40180     | Tm-171       | 2.32 U    | 16.9   | 5.83   | 72.4   | 1.00 - 5.00             |
| 8N-00097        | 40180     | U-233/234    | 0.773     | 0.0471 | 0.0963 | 2.02   | 1.00 - 5.00             |
| 8N-00097        | 40180     | U-235/236    | 0.0823    | 0.0248 | 0.0282 | 0.151  | 1.00 - 5.00             |
| 8N-00097        | 40180     | U-238        | 0.64      | 0.0584 | 0.0853 | 1.8    | 1.00 - 5.00             |
| 8N-00098        | 40181     | Ac-227       | -0.007 U  | 0.195  | 0.0591 | 0.217  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Am-241       | 0.0069 U  | 0.0302 | 0.0082 | 0.0454 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Am-243       | 0.0007 U  | 0.0168 | 0.0033 | 0.0333 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Bi-212       | 1.15      | 0.153  | 0.0952 | 2.15   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Bi-214       | 1.03      | 0.0297 | 0.0484 | 1.59   | 0.00 - 0.50             |
| 8N-00098        | 40181     | C-14         | -0.135 U  | 0.73   | 0.216  | 2.96   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Cd-113m      | -11.6 U   | 128    | 40.5   | 3030   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Cm-243/244   | 0.009 U   | 0.0288 | 0.0082 | 0.0443 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Co-60        | 0.0009 U  | 0.0186 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Cs-134       | -0.0031 U | 0.0178 | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Cs-137       | 0.0326    | 0.0183 | 0.0059 | 0.207  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Eu-152       | -0.0118 U | 0.047  | 0.017  | 0.0566 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Eu-154       | 0.0029 U  | 0.105  | 0.0306 | 0.15   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Eu-155       | 0.0976 JS | 0.0694 | 0.0272 | 0.231  | 0.00 - 0.50             |
| 8N-00098        | 40181     | H-3          | -1.63 U   | 5.79   | 1.54   | 11.9   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00098        | 40181     | Ho-166m      | -0.0101 U | 0.0255 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00098        | 40181     | K-40         | 22.9      | 0.115  | 1.37   | 32.4   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Na-22        | -0.0112 U | 0.0246 | 0.008  | 0.037  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Nb-94        | 0.0115 JS | 0.0154 | 0.0052 | 0.0214 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Ni-59        | -1.24 U   | 3.43   | 1.03   | 5.96   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Ni-63        | 0.0407 U  | 1.26   | 0.375  | 4.92   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Np-236       | -0.0176 U | 0.0349 | 0.0115 | 0.047  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Np-239       | 0.0249 U  | 0.128  | 0.0389 | 0.139  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Pa-231       | -0.102 U  | 0.776  | 0.258  | 0.936  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Pb-212       | 1.82      | 0.0402 | 0.111  | 2.69   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Pb-214       | 1.16      | 0.0334 | 0.0569 | 1.7    | 0.00 - 0.50             |
| 8N-00098        | 40181     | Pu-238       | 0.0036 U  | 0.0182 | 0.0047 | 0.0415 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Pu-239/240   | 0.0036 U  | 0.0181 | 0.0046 | 0.0404 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Pu-244       | 0.0006 U  | 0.0147 | 0.0028 | 0.0313 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Sb-125       | 0.0001 U  | 0.0505 | 0.0148 | 0.354  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Sn-126       | -0.0028 U | 0.0162 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00098        | 40181     | Sr-90        | 0.219     | 0.207  | 0.0719 | 0.485  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Tc-99        | -0.456 U  | 1.07   | 0.311  | 1.63   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Th-228       | 1.77 J    | 0.109  | 0.185  | 3.98   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Th-229       | 0.0395    | 0.0962 | 0.029  | 0.145  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Th-230       | 0.883     | 0.061  | 0.108  | 2.2    | 0.00 - 0.50             |
| 8N-00098        | 40181     | Th-232       | 1.06      | 0.0259 | 0.12   | 3.1    | 0.00 - 0.50             |
| 8N-00098        | 40181     | Th-234       | 1.59      | 0.274  | 0.145  | 3.19   | 0.00 - 0.50             |
| 8N-00098        | 40181     | Tl-208       | 0.529     | 0.0207 | 0.031  | 0.937  | 0.00 - 0.50             |
| 8N-00098        | 40181     | Tm-171       | -6.31 U   | 13.8   | 5.11   | 72.4   | 0.00 - 0.50             |
| 8N-00098        | 40181     | U-233/234    | 0.75      | 0.0133 | 0.0815 | 2.02   | 0.00 - 0.50             |
| 8N-00098        | 40181     | U-235/236    | 0.0198    | 0.0385 | 0.0129 | 0.151  | 0.00 - 0.50             |
| 8N-00098        | 40181     | U-238        | 0.875     | 0.0133 | 0.0913 | 1.8    | 0.00 - 0.50             |
| 8N-00098        | 40182     | Ac-227       | 0.0589 U  | 0.234  | 0.0702 | 0.217  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Am-241       | -0.0016 U | 0.0276 | 0.0064 | 0.0454 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00098        | 40182     | Am-243       | 0.0064 U   | 0.0204 | 0.0058 | 0.0333 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Bi-212       | 1.19       | 0.193  | 0.109  | 2.15   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Bi-214       | 0.979      | 0.0346 | 0.0487 | 1.59   | 1.00 - 5.00             |
| 8N-00098        | 40182     | C-14         | -0.02 U    | 0.788  | 0.235  | 2.96   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Cd-113m      | -12.2 U    | 154    | 46.1   | 3030   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Cm-243/244   | 0.0105     | 0.0196 | 0.0064 | 0.0443 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Co-60        | 0.0168 J   | 0.0237 | 0.0075 | 0.028  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Cs-134       | -0.013 U   | 0.02   | 0.0078 | 0.0864 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Cs-137       | -0.0061 U  | 0.0208 | 0.0065 | 0.207  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Eu-152       | -0.0491 UJ | 0.0561 | 0.0234 | 0.0566 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Eu-154       | 0.0311 U   | 0.127  | 0.0371 | 0.15   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Eu-155       | 0.125 JS   | 0.0838 | 0.0318 | 0.231  | 1.00 - 5.00             |
| 8N-00098        | 40182     | H-3          | 1.32 U     | 7.36   | 2.2    | 11.9   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Ho-166m      | -0.009 U   | 0.0316 | 0.0099 | 0.0432 | 1.00 - 5.00             |
| 8N-00098        | 40182     | K-40         | 20.9       | 0.155  | 1.33   | 32.4   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Na-22        | -0.0038 U  | 0.0281 | 0.0085 | 0.037  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Nb-94        | -0.0034 U  | 0.0177 | 0.0054 | 0.0214 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Ni-59        | 0.753 U    | 4.67   | 1.27   | 5.96   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Ni-63        | 0.105 U    | 1.3    | 0.387  | 4.92   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Np-236       | -0.0064 U  | 0.0425 | 0.0131 | 0.047  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Np-239       | 0.0887 J   | 0.154  | 0.0494 | 0.139  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Pa-231       | -0.327 U   | 0.948  | 0.297  | 0.936  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Pb-212       | 1.97       | 0.0462 | 0.12   | 2.69   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Pb-214       | 1.13       | 0.0393 | 0.0542 | 1.7    | 1.00 - 5.00             |
| 8N-00098        | 40182     | Pu-238       | 0.014      | 0.0169 | 0.0065 | 0.0415 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Pu-239/240   | 0.0043     | 0.0058 | 0.003  | 0.0404 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Pu-244       | 0.0106     | 0.0058 | 0.0048 | 0.0313 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Sb-125       | -0.0023 U  | 0.0587 | 0.017  | 0.354  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Sn-126       | -0.003 U   | 0.0192 | 0.0058 | 0.0237 | 1.00 - 5.00             |
| 8N-00098        | 40182     | Sr-90        | -0.0707 U  | 0.164  | 0.0392 | 0.485  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00098        | 40182     | Tc-99        | 0.211 U   | 0.95   | 0.284  | 1.63   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Th-228       | 1.7       | 0.0636 | 0.157  | 3.98   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Th-229       | 0.0279    | 0.0514 | 0.0172 | 0.145  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Th-230       | 0.835     | 0.0512 | 0.0909 | 2.2    | 1.00 - 5.00             |
| 8N-00098        | 40182     | Th-232       | 1.31      | 0.0188 | 0.122  | 3.1    | 1.00 - 5.00             |
| 8N-00098        | 40182     | Th-234       | 1.59 J    | 0.346  | 0.202  | 3.19   | 1.00 - 5.00             |
| 8N-00098        | 40182     | Tl-208       | 0.582     | 0.0241 | 0.0351 | 0.937  | 1.00 - 5.00             |
| 8N-00098        | 40182     | Tm-171       | -11.5 U   | 21.6   | 7.81   | 72.4   | 1.00 - 5.00             |
| 8N-00098        | 40182     | U-233/234    | 0.793     | 0.0597 | 0.0992 | 2.02   | 1.00 - 5.00             |
| 8N-00098        | 40182     | U-235/236    | 0.0374    | 0.0254 | 0.0189 | 0.151  | 1.00 - 5.00             |
| 8N-00098        | 40182     | U-238        | 0.918     | 0.0482 | 0.109  | 1.8    | 1.00 - 5.00             |
| 8N-00099        | 40183     | Ac-227       | -0.0883 U | 0.225  | 0.0733 | 0.217  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Am-241       | 0.003 U   | 0.0153 | 0.0039 | 0.0454 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Am-243       | 0.007     | 0.0063 | 0.0041 | 0.0333 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Bi-212       | 0.937     | 0.182  | 0.0914 | 2.15   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Bi-214       | 0.981     | 0.033  | 0.0471 | 1.59   | 1.00 - 5.00             |
| 8N-00099        | 40183     | C-14         | -0.191 U  | 0.869  | 0.257  | 2.96   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Cd-113m      | -93.1 U   | 149    | 52.1   | 3030   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Cm-243/244   | 0.0002 U  | 0.0199 | 0.0045 | 0.0443 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Co-60        | -0.0001 U | 0.0217 | 0.0063 | 0.028  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Cs-134       | 0.0056 U  | 0.02   | 0.0067 | 0.0864 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Cs-137       | -0.006 U  | 0.0182 | 0.0065 | 0.207  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Eu-152       | -0.0296 U | 0.0533 | 0.0199 | 0.0566 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Eu-154       | 0.0471 U  | 0.123  | 0.0376 | 0.15   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Eu-155       | -0.0002 U | 0.0897 | 0.0266 | 0.231  | 1.00 - 5.00             |
| 8N-00099        | 40183     | H-3          | -0.994 U  | 7.15   | 2.09   | 11.9   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Ho-166m      | -0.004 U  | 0.029  | 0.0086 | 0.0432 | 1.00 - 5.00             |
| 8N-00099        | 40183     | K-40         | 22        | 0.153  | 1.37   | 32.4   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Na-22        | -0.0111 U | 0.0273 | 0.0086 | 0.037  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Nb-94        | -0.0011 U | 0.0169 | 0.005  | 0.0214 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00099        | 40183     | Ni-59        | -0.62 U    | 4.8    | 1.38   | 5.96   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Ni-63        | 0.0672 U   | 1.42   | 0.424  | 4.92   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Np-236       | -0.0157 U  | 0.0437 | 0.0136 | 0.047  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Np-239       | -0.0307 UJ | 0.145  | 0.0452 | 0.139  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Pa-231       | -0.2 U     | 0.908  | 0.288  | 0.936  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Pb-212       | 1.64       | 0.045  | 0.109  | 2.69   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Pb-214       | 1.1        | 0.0392 | 0.0562 | 1.7    | 1.00 - 5.00             |
| 8N-00099        | 40183     | Pu-238       | 0.0141 U   | 0.0413 | 0.012  | 0.0415 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Pu-239/240   | -0.004 U   | 0.0218 | 0.004  | 0.0404 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Pu-244       | 0          | 0.0075 | 0.0028 | 0.0313 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Sb-125       | 0.014 U    | 0.0579 | 0.0174 | 0.354  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Sn-126       | 0.0013 U   | 0.0191 | 0.0056 | 0.0237 | 1.00 - 5.00             |
| 8N-00099        | 40183     | Sr-90        | -0.0953 U  | 0.205  | 0.0509 | 0.485  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Tc-99        | 0.0978 U   | 0.942  | 0.28   | 1.63   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Th-228       | 1.23       | 0.133  | 0.129  | 3.98   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Th-229       | 0.0474     | 0.0183 | 0.0181 | 0.145  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Th-230       | 0.797      | 0.0183 | 0.087  | 2.2    | 1.00 - 5.00             |
| 8N-00099        | 40183     | Th-232       | 0.943      | 0.0626 | 0.0979 | 3.1    | 1.00 - 5.00             |
| 8N-00099        | 40183     | Th-234       | 1.22 J     | 0.357  | 0.165  | 3.19   | 1.00 - 5.00             |
| 8N-00099        | 40183     | Tl-208       | 0.51       | 0.0235 | 0.0295 | 0.937  | 1.00 - 5.00             |
| 8N-00099        | 40183     | Tm-171       | -16.9 U    | 25.4   | 9.45   | 72.4   | 1.00 - 5.00             |
| 8N-00099        | 40183     | U-233/234    | 0.88       | 0.0163 | 0.0976 | 2.02   | 1.00 - 5.00             |
| 8N-00099        | 40183     | U-235/236    | 0.0074     | 0.0201 | 0.0074 | 0.151  | 1.00 - 5.00             |
| 8N-00099        | 40183     | U-238        | 0.923      | 0.0162 | 0.101  | 1.8    | 1.00 - 5.00             |
| 8N-00100        | 40184     | Ac-227       | 0.0202 U   | 0.118  | 0.0364 | 0.217  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Am-241       | 0.0134 U   | 0.0336 | 0.01   | 0.0454 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Am-243       | 0.0132     | 0.0187 | 0.0068 | 0.0333 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Bi-212       | 1.14       | 0.114  | 0.0886 | 2.15   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Bi-214       | 0.987      | 0.0198 | 0.0451 | 1.59   | 0.00 - 0.50             |
| 8N-00100        | 40184     | C-14         | -0.229 U   | 0.744  | 0.219  | 2.96   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity    | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-------------|--------|--------|--------|-------------------------|
| 8N-00100        | 40184     | Cd-113m      | -3.43 U     | 78.2   | 24.2   | 3030   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Cm-243/244   | 0.0212      | 0.0441 | 0.0136 | 0.0443 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Co-60        | 0.003 U     | 0.0141 | 0.0042 | 0.028  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Cs-134       | 0.0015 U    | 0.0123 | 0.0043 | 0.0864 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Cs-137       | 0.0555      | 0.0117 | 0.0069 | 0.207  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Eu-152       | 0.0003 U    | 0.0298 | 0.0106 | 0.0566 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Eu-154       | -0.0372 U   | 0.0713 | 0.0237 | 0.15   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Eu-155       | 0.0477 JS   | 0.0395 | 0.016  | 0.231  | 0.00 - 0.50             |
| 8N-00100        | 40184     | H-3          | -1.55 U     | 5.94   | 1.59   | 11.9   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Ho-166m      | -0.0111 U   | 0.018  | 0.006  | 0.0432 | 0.00 - 0.50             |
| 8N-00100        | 40184     | K-40         | 20.2        | 0.0849 | 1.07   | 32.4   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Na-22        | -0.0113 U   | 0.0176 | 0.006  | 0.037  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Nb-94        | 0.0038 U    | 0.0106 | 0.0032 | 0.0214 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Ni-59        | -0.034 U    | 4.19   | 1.17   | 5.96   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Ni-63        | 0.533 U     | 1.42   | 0.431  | 4.92   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Np-236       | -0.0143 UJS | 0.0191 | 0.0066 | 0.047  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Np-239       | 0.0103 U    | 0.0746 | 0.0229 | 0.139  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Pa-231       | -0.0273 U   | 0.478  | 0.149  | 0.936  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Pb-212       | 1.69        | 0.0243 | 0.0923 | 2.69   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Pb-214       | 1.03        | 0.0208 | 0.0466 | 1.7    | 0.00 - 0.50             |
| 8N-00100        | 40184     | Pu-238       | 0.0021      | 0.0058 | 0.0021 | 0.0415 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Pu-239/240   | 0.0107      | 0.0058 | 0.0048 | 0.0404 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Pu-244       | 0.0064 J    | 0.0058 | 0.0037 | 0.0313 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Sb-125       | -0.0005 U   | 0.0339 | 0.0101 | 0.354  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Sn-126       | -0.0015 U   | 0.0117 | 0.0034 | 0.0237 | 0.00 - 0.50             |
| 8N-00100        | 40184     | Sr-90        | 0.0653 U    | 0.138  | 0.0425 | 0.485  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Tc-99        | -0.48 U     | 1.1    | 0.32   | 1.63   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Th-228       | 1.57 J      | 0.0762 | 0.169  | 3.98   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Th-229       | 0.101       | 0.0751 | 0.035  | 0.145  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Th-230       | 0.912       | 0.0257 | 0.109  | 2.2    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00100        | 40184     | Th-232       | 1.13       | 0.0604 | 0.125  | 3.1    | 0.00 - 0.50             |
| 8N-00100        | 40184     | Th-234       | 0.872      | 0.145  | 0.0829 | 3.19   | 0.00 - 0.50             |
| 8N-00100        | 40184     | Tl-208       | 0.526      | 0.0144 | 0.0294 | 0.937  | 0.00 - 0.50             |
| 8N-00100        | 40184     | Tm-171       | 0.601 U    | 5.36   | 1.83   | 72.4   | 0.00 - 0.50             |
| 8N-00100        | 40184     | U-233/234    | 0.728      | 0.0414 | 0.082  | 2.02   | 0.00 - 0.50             |
| 8N-00100        | 40184     | U-235/236    | 0.0666     | 0.0413 | 0.0225 | 0.151  | 0.00 - 0.50             |
| 8N-00100        | 40184     | U-238        | 0.837      | 0.0414 | 0.0905 | 1.8    | 0.00 - 0.50             |
| 8N-00100        | 40185     | Ac-227       | -0.0632 U  | 0.149  | 0.0463 | 0.217  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Am-241       | 0.0039     | 0.0053 | 0.0028 | 0.0454 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Am-243       | 0.0093     | 0.0161 | 0.0055 | 0.0333 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Bi-212       | 1.04       | 0.117  | 0.0912 | 2.15   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Bi-214       | 0.702      | 0.0231 | 0.0345 | 1.59   | 1.00 - 5.00             |
| 8N-00100        | 40185     | C-14         | 0.124 U    | 0.747  | 0.224  | 2.96   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Cd-113m      | 33.8 U     | 102    | 30.4   | 3030   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Cm-243/244   | 0.004      | 0.0054 | 0.0028 | 0.0443 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Co-60        | -0.0006 U  | 0.0149 | 0.0044 | 0.028  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Cs-134       | -0.0059 U  | 0.0132 | 0.0049 | 0.0864 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Cs-137       | -0.0081 U  | 0.0131 | 0.0045 | 0.207  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Eu-152       | 0.0176 U   | 0.0374 | 0.0129 | 0.0566 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Eu-154       | -0.0367 U  | 0.0799 | 0.0257 | 0.15   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Eu-155       | 0.111 JS   | 0.0577 | 0.0246 | 0.231  | 1.00 - 5.00             |
| 8N-00100        | 40185     | H-3          | 0.329 U    | 6.81   | 2.02   | 11.9   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Ho-166m      | -0.0028 U  | 0.0204 | 0.0063 | 0.0432 | 1.00 - 5.00             |
| 8N-00100        | 40185     | K-40         | 19.6       | 0.0975 | 1.12   | 32.4   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Na-22        | -0.0153 UJ | 0.0171 | 0.0065 | 0.037  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Nb-94        | 0.0022 U   | 0.012  | 0.0036 | 0.0214 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Ni-59        | -5.06 R    | 3.4    | 1.67   | 5.96   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Ni-63        | 0.188 U    | 1.1    | 0.33   | 4.92   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Np-236       | -0.0037 U  | 0.0292 | 0.0089 | 0.047  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Np-239       | -0.0315 UJ | 0.0983 | 0.0318 | 0.139  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00100        | 40185     | Pa-231       | 0.136 U   | 0.627  | 0.184  | 0.936  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Pb-212       | 1.47      | 0.0317 | 0.0877 | 2.69   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Pb-214       | 0.742     | 0.0256 | 0.037  | 1.7    | 1.00 - 5.00             |
| 8N-00100        | 40185     | Pu-238       | 0.0028 U  | 0.0141 | 0.0035 | 0.0415 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Pu-239/240   | 0.0022    | 0.006  | 0.0022 | 0.0404 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Pu-244       | 0.0072    | 0.014  | 0.0047 | 0.0313 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Sb-125       | 0.0087 U  | 0.0391 | 0.0116 | 0.354  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Sn-126       | 0.0006 U  | 0.0133 | 0.004  | 0.0237 | 1.00 - 5.00             |
| 8N-00100        | 40185     | Sr-90        | 1.26      | 0.169  | 0.157  | 0.485  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Tc-99        | -0.192 U  | 0.988  | 0.288  | 1.63   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Th-228       | 0.874     | 0.125  | 0.106  | 3.98   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Th-229       | 0.0143 U  | 0.0662 | 0.0175 | 0.145  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Th-230       | 0.526     | 0.0193 | 0.0687 | 2.2    | 1.00 - 5.00             |
| 8N-00100        | 40185     | Th-232       | 0.837     | 0.0522 | 0.0921 | 3.1    | 1.00 - 5.00             |
| 8N-00100        | 40185     | Th-234       | 1.12 J    | 0.228  | 0.114  | 3.19   | 1.00 - 5.00             |
| 8N-00100        | 40185     | Tl-208       | 0.444     | 0.0152 | 0.0258 | 0.937  | 1.00 - 5.00             |
| 8N-00100        | 40185     | Tm-171       | -0.713 U  | 11.8   | 3.93   | 72.4   | 1.00 - 5.00             |
| 8N-00100        | 40185     | U-233/234    | 0.606     | 0.0469 | 0.0816 | 2.02   | 1.00 - 5.00             |
| 8N-00100        | 40185     | U-235/236    | 0.0298    | 0.0579 | 0.0195 | 0.151  | 1.00 - 5.00             |
| 8N-00100        | 40185     | U-238        | 0.581     | 0.0199 | 0.079  | 1.8    | 1.00 - 5.00             |
| 8N-00100        | 40263     | Ac-227       | -0.0414 U | 0.228  | 0.0714 | 0.217  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Am-241       | 0.0335    | 0.0287 | 0.0113 | 0.0454 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Am-243       | 0.0129    | 0.0191 | 0.0065 | 0.0333 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Bi-212       | 0.992     | 0.185  | 0.0976 | 2.15   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Bi-214       | 0.979     | 0.0339 | 0.0481 | 1.59   | 1.00 - 5.00             |
| 8N-00100        | 40263     | C-14         | 0.0155 U  | 0.79   | 0.236  | 2.96   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Cd-113m      | -6.35 U   | 156    | 48.2   | 3030   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Cm-243/244   | 0.0199    | 0.0204 | 0.0081 | 0.0443 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Co-60        | 0.0052 U  | 0.0225 | 0.0066 | 0.028  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Cs-134       | -0.0081 U | 0.0196 | 0.007  | 0.0864 | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00100        | 40263     | Cs-137       | -0.003 U   | 0.0198 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Eu-152       | -0.0519 UJ | 0.0554 | 0.0219 | 0.0566 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Eu-154       | 0.0257 U   | 0.118  | 0.0354 | 0.15   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Eu-155       | 0.105 JS   | 0.0907 | 0.035  | 0.231  | 1.00 - 5.00             |
| 8N-00100        | 40263     | H-3          | -2.93 U    | 6.91   | 1.99   | 11.9   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Ho-166m      | -0.004 U   | 0.0299 | 0.0089 | 0.0432 | 1.00 - 5.00             |
| 8N-00100        | 40263     | K-40         | 22.4       | 0.158  | 1.4    | 32.4   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Na-22        | -0.0134 U  | 0.0275 | 0.0103 | 0.037  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Nb-94        | 0.0066 U   | 0.0173 | 0.0052 | 0.0214 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Ni-59        | 0 U        | 4.13   | 1.15   | 5.96   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Ni-63        | 0.317 U    | 1.03   | 0.312  | 4.92   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Np-236       | -0.0347 UJ | 0.0436 | 0.016  | 0.047  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Np-239       | 0.0061 U   | 0.151  | 0.0463 | 0.139  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Pa-231       | -0.275 U   | 0.926  | 0.297  | 0.936  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Pb-212       | 1.77       | 0.0462 | 0.118  | 2.69   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Pb-214       | 1.13       | 0.0389 | 0.0579 | 1.7    | 1.00 - 5.00             |
| 8N-00100        | 40263     | Pu-238       | 0.0023     | 0.0063 | 0.0023 | 0.0415 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Pu-239/240   | 0.0139     | 0.0063 | 0.0057 | 0.0404 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Pu-244       | 0 J        | 0.0063 | 0.0023 | 0.0313 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Sb-125       | 0.0102 UJ  | 0.0585 | 0.0174 | 0.354  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Sn-126       | -0.006 U   | 0.019  | 0.0058 | 0.0237 | 1.00 - 5.00             |
| 8N-00100        | 40263     | Sr-90        | -0.0088 U  | 0.11   | 0.0275 | 0.485  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Tc-99        | 0.123 U    | 1.5    | 0.44   | 1.63   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Th-228       | 1.33 J     | 0.126  | 0.153  | 3.98   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Th-229       | 0.0188 UJ  | 0.0693 | 0.0189 | 0.145  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Th-230       | 0.817      | 0.0691 | 0.102  | 2.2    | 1.00 - 5.00             |
| 8N-00100        | 40263     | Th-232       | 1.24       | 0.0254 | 0.132  | 3.1    | 1.00 - 5.00             |
| 8N-00100        | 40263     | Th-234       | 1.26 J     | 0.372  | 0.154  | 3.19   | 1.00 - 5.00             |
| 8N-00100        | 40263     | Tl-208       | 0.507      | 0.0229 | 0.0304 | 0.937  | 1.00 - 5.00             |
| 8N-00100        | 40263     | Tm-171       | -24.4 UJ   | 26.5   | 10.7   | 72.4   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00100        | 40263     | U-233/234    | 0.776     | 0.021  | 0.0978 | 2.02   | 1.00 - 5.00             |
| 8N-00100        | 40263     | U-235/236    | 0.0287    | 0.0259 | 0.0167 | 0.151  | 1.00 - 5.00             |
| 8N-00100        | 40263     | U-238        | 0.792     | 0.0494 | 0.0996 | 1.8    | 1.00 - 5.00             |
| 8N-00101        | 40186     | Ac-227       | 0.0063 U  | 0.187  | 0.0549 | 0.217  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Am-241       | 0.0048 U  | 0.0235 | 0.0061 | 0.0454 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Am-243       | 0.0079    | 0.0072 | 0.0046 | 0.0333 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Bi-212       | 1.13      | 0.165  | 0.107  | 2.15   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Bi-214       | 0.851     | 0.0295 | 0.0422 | 1.59   | 0.00 - 0.50             |
| 8N-00101        | 40186     | C-14         | -0.0335 U | 0.773  | 0.23   | 2.96   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Cd-113m      | 11.6 U    | 125    | 37.9   | 3030   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Cm-243/244   | 0.0083 U  | 0.0267 | 0.0076 | 0.0443 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Co-60        | 0.0037 U  | 0.0204 | 0.006  | 0.028  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Cs-134       | 0.0078 U  | 0.0181 | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Cs-137       | 0.0855    | 0.017  | 0.009  | 0.207  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Eu-152       | -0.0132 U | 0.0463 | 0.0154 | 0.0566 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Eu-154       | -0.0666 U | 0.104  | 0.0352 | 0.15   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Eu-155       | 0.0448 JS | 0.0709 | 0.0235 | 0.231  | 0.00 - 0.50             |
| 8N-00101        | 40186     | H-3          | 0.67 U    | 5.81   | 1.66   | 11.9   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Ho-166m      | -0.0121 U | 0.0253 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00101        | 40186     | K-40         | 21.3      | 0.135  | 1.31   | 32.4   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Na-22        | -0.0012 U | 0.0274 | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Nb-94        | 0.0021 U  | 0.0158 | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Ni-59        | 0.39 U    | 4.45   | 1.23   | 5.96   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Ni-63        | 0.411 U   | 1.23   | 0.372  | 4.92   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Np-236       | -0.0127 U | 0.0336 | 0.0107 | 0.047  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Np-239       | -0.0562 U | 0.12   | 0.038  | 0.139  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Pa-231       | -0.163 U  | 0.758  | 0.237  | 0.936  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Pb-212       | 1.62      | 0.0386 | 0.0971 | 2.69   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Pb-214       | 0.922     | 0.0323 | 0.0451 | 1.7    | 0.00 - 0.50             |
| 8N-00101        | 40186     | Pu-238       | -0.0015 U | 0.013  | 0.0025 | 0.0415 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00101        | 40186     | Pu-239/240   | 0.0017 U  | 0.0183 | 0.0043 | 0.0404 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Pu-244       | 0.0081    | 0.0055 | 0.0041 | 0.0313 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Sb-125       | 0.0223 U  | 0.0525 | 0.0164 | 0.354  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Sn-126       | -0.0071 U | 0.0172 | 0.0055 | 0.0237 | 0.00 - 0.50             |
| 8N-00101        | 40186     | Sr-90        | 0.0669 U  | 0.163  | 0.0493 | 0.485  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Tc-99        | -0.401 U  | 1.01   | 0.296  | 1.63   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Th-228       | 1.95      | 0.0913 | 0.192  | 3.98   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Th-229       | 0.0789    | 0.0727 | 0.031  | 0.145  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Th-230       | 0.887     | 0.0725 | 0.106  | 2.2    | 0.00 - 0.50             |
| 8N-00101        | 40186     | Th-232       | 1.69      | 0.0248 | 0.161  | 3.1    | 0.00 - 0.50             |
| 8N-00101        | 40186     | Th-234       | 1.49 J    | 0.27   | 0.15   | 3.19   | 0.00 - 0.50             |
| 8N-00101        | 40186     | Tl-208       | 0.497     | 0.0202 | 0.0296 | 0.937  | 0.00 - 0.50             |
| 8N-00101        | 40186     | Tm-171       | -1.79 U   | 17.2   | 5.66   | 72.4   | 0.00 - 0.50             |
| 8N-00101        | 40186     | U-233/234    | 0.875     | 0.0506 | 0.0956 | 2.02   | 0.00 - 0.50             |
| 8N-00101        | 40186     | U-235/236    | 0.0415    | 0.0187 | 0.0172 | 0.151  | 0.00 - 0.50             |
| 8N-00101        | 40186     | U-238        | 1         | 0.0356 | 0.105  | 1.8    | 0.00 - 0.50             |
| 8N-00101        | 40187     | Ac-227       | 0.0309 U  | 0.212  | 0.0624 | 0.217  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Am-241       | 0.0144    | 0.0065 | 0.006  | 0.0454 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Am-243       | 0.016     | 0.0263 | 0.0088 | 0.0333 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Bi-212       | 1 J       | 0.184  | 0.107  | 2.15   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Bi-214       | 0.939     | 0.0345 | 0.0468 | 1.59   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Cd-113m      | 18.4 U    | 143    | 42     | 3030   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Cm-243/244   | 0.0034 U  | 0.0268 | 0.0068 | 0.0443 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Co-60        | 0.0088 U  | 0.0241 | 0.0072 | 0.028  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Cs-134       | -0.0054 U | 0.0201 | 0.007  | 0.0864 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Cs-137       | -0.0098 U | 0.0199 | 0.0065 | 0.207  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Eu-152       | -0.0094 U | 0.0532 | 0.0161 | 0.0566 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Eu-154       | -0.0366 U | 0.122  | 0.0372 | 0.15   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Eu-155       | 0.0881 JS | 0.0811 | 0.0316 | 0.231  | 1.00 - 5.00             |
| 8N-00101        | 40187     | H-3          | 1.32 U    | 6.74   | 2.01   | 11.9   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00101        | 40187     | Ho-166m      | -0.0025 U  | 0.0314 | 0.0093 | 0.0432 | 1.00 - 5.00             |
| 8N-00101        | 40187     | K-40         | 22.6       | 0.161  | 1.39   | 32.4   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Na-22        | -0.0169 U  | 0.0282 | 0.0096 | 0.037  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Nb-94        | 0.0084 U   | 0.0185 | 0.0057 | 0.0214 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Ni-59        | 0.0784 U   | 3.74   | 0.987  | 5.96   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Ni-63        | 0.645      | 1.21   | 0.374  | 4.92   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Np-236       | -0.0234 U  | 0.0386 | 0.013  | 0.047  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Np-239       | -0.0634 U  | 0.136  | 0.0428 | 0.139  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Pa-231       | -0.331 U   | 0.856  | 0.268  | 0.936  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Pb-212       | 1.8        | 0.0426 | 0.108  | 2.69   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Pb-214       | 1          | 0.0374 | 0.0498 | 1.7    | 1.00 - 5.00             |
| 8N-00101        | 40187     | Pu-238       | 0          | 0.0059 | 0.0022 | 0.0415 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Pu-239/240   | 0.0093     | 0.0139 | 0.0051 | 0.0404 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Pu-244       | 0.0022 J   | 0.0059 | 0.0022 | 0.0313 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Sb-125       | -0.0253 UJ | 0.0546 | 0.0179 | 0.354  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Sn-126       | -0.0076 U  | 0.0192 | 0.0061 | 0.0237 | 1.00 - 5.00             |
| 8N-00101        | 40187     | Sr-90        | -0.0053 U  | 0.152  | 0.0403 | 0.485  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Tc-99        | -0.122 U   | 1.52   | 0.44   | 1.63   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Th-228       | 1.68 J     | 0.0823 | 0.172  | 3.98   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Th-229       | -0.0271 U  | 0.118  | 0.0239 | 0.145  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Th-230       | 0.783      | 0.0244 | 0.0967 | 2.2    | 1.00 - 5.00             |
| 8N-00101        | 40187     | Th-232       | 1.03       | 0.066  | 0.116  | 3.1    | 1.00 - 5.00             |
| 8N-00101        | 40187     | Th-234       | 1.63 J     | 0.313  | 0.175  | 3.19   | 1.00 - 5.00             |
| 8N-00101        | 40187     | Tl-208       | 0.563      | 0.0234 | 0.0329 | 0.937  | 1.00 - 5.00             |
| 8N-00101        | 40187     | Tm-171       | -7.35 U    | 19.1   | 6.54   | 72.4   | 1.00 - 5.00             |
| 8N-00101        | 40187     | U-233/234    | 0.746      | 0.0489 | 0.0883 | 2.02   | 1.00 - 5.00             |
| 8N-00101        | 40187     | U-235/236    | 0.0711     | 0.0488 | 0.0254 | 0.151  | 1.00 - 5.00             |
| 8N-00101        | 40187     | U-238        | 0.769      | 0.0168 | 0.0897 | 1.8    | 1.00 - 5.00             |
| 8N-00102        | 40188     | Ac-227       | 0.0461 U   | 0.156  | 0.0481 | 0.217  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Am-241       | 0.0083 U   | 0.0398 | 0.011  | 0.0454 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00102        | 40188     | Am-243       | 0.022     | 0.0241 | 0.0089 | 0.0333 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Bi-212       | 1.17      | 0.134  | 0.0895 | 2.15   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Bi-214       | 1.04      | 0.0241 | 0.0468 | 1.59   | 0.00 - 0.50             |
| 8N-00102        | 40188     | C-14         | -0.211 U  | 0.745  | 0.22   | 2.96   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Cd-113m      | 8.21 U    | 104    | 32.6   | 3030   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Cm-243/244   | 0.0019 U  | 0.032  | 0.0078 | 0.0443 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Co-60        | 0.0045 U  | 0.0152 | 0.0045 | 0.028  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Cs-134       | 0.0102 JS | 0.0153 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Cs-137       | 0.0829    | 0.0141 | 0.0079 | 0.207  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Eu-152       | -0.0144 U | 0.0381 | 0.014  | 0.0566 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Eu-154       | 0.0138 U  | 0.0799 | 0.0269 | 0.15   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Eu-155       | 0.0848 JS | 0.0581 | 0.0208 | 0.231  | 0.00 - 0.50             |
| 8N-00102        | 40188     | H-3          | -0.138 U  | 5.69   | 1.59   | 11.9   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Ho-166m      | -0.0088 U | 0.021  | 0.0067 | 0.0432 | 0.00 - 0.50             |
| 8N-00102        | 40188     | K-40         | 23.7      | 0.102  | 1.31   | 32.4   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Na-22        | 0.0043 U  | 0.0205 | 0.0061 | 0.037  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Nb-94        | 0.0056 U  | 0.0123 | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Ni-59        | 1.22 U    | 4.64   | 1.28   | 5.96   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Ni-63        | 0.318 U   | 1.42   | 0.427  | 4.92   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Np-236       | -0.0039 U | 0.0289 | 0.0086 | 0.047  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Np-239       | -0.0233 U | 0.101  | 0.0311 | 0.139  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Pa-231       | -0.339 U  | 0.622  | 0.223  | 0.936  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Pb-212       | 1.94      | 0.033  | 0.112  | 2.69   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Pb-214       | 1.14      | 0.0267 | 0.052  | 1.7    | 0.00 - 0.50             |
| 8N-00102        | 40188     | Pu-238       | 0.0006 U  | 0.0133 | 0.0026 | 0.0415 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Pu-239/240   | 0.0068    | 0.0132 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Pu-244       | 0.0053 U  | 0.0164 | 0.0047 | 0.0313 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Sb-125       | 0.0169 U  | 0.0421 | 0.0128 | 0.354  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Sn-126       | 0.0041 U  | 0.0135 | 0.0041 | 0.0237 | 0.00 - 0.50             |
| 8N-00102        | 40188     | Sr-90        | 0.0889 U  | 0.177  | 0.0547 | 0.485  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00102        | 40188     | Tc-99        | -0.504 U   | 1.16   | 0.339  | 1.63   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Th-228       | 1.62 J     | 0.108  | 0.172  | 3.98   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Th-229       | 0.0339     | 0.0751 | 0.0235 | 0.145  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Th-230       | 0.867      | 0.0605 | 0.106  | 2.2    | 0.00 - 0.50             |
| 8N-00102        | 40188     | Th-232       | 1.31       | 0.0257 | 0.137  | 3.1    | 0.00 - 0.50             |
| 8N-00102        | 40188     | Th-234       | 1.54       | 0.223  | 0.137  | 3.19   | 0.00 - 0.50             |
| 8N-00102        | 40188     | Tl-208       | 0.585      | 0.0174 | 0.0321 | 0.937  | 0.00 - 0.50             |
| 8N-00102        | 40188     | Tm-171       | -5.49 U    | 12.4   | 4.59   | 72.4   | 0.00 - 0.50             |
| 8N-00102        | 40188     | U-233/234    | 0.816      | 0.0371 | 0.0918 | 2.02   | 0.00 - 0.50             |
| 8N-00102        | 40188     | U-235/236    | 0.0288     | 0.0195 | 0.0146 | 0.151  | 0.00 - 0.50             |
| 8N-00102        | 40188     | U-238        | 1.12       | 0.0158 | 0.116  | 1.8    | 0.00 - 0.50             |
| 8N-00103        | 40190     | Ac-227       | -0.0335 U  | 0.172  | 0.0522 | 0.217  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Am-241       | 0.0008 UJ  | 0.0184 | 0.0036 | 0.0454 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Am-243       | 0.0033 UJ  | 0.0167 | 0.0043 | 0.0333 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Bi-212       | 1.07       | 0.144  | 0.0898 | 2.15   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Bi-214       | 0.87       | 0.027  | 0.041  | 1.59   | 1.00 - 4.00             |
| 8N-00103        | 40190     | C-14         | 0.016 U    | 0.772  | 0.23   | 2.96   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Cd-113m      | 8.29 U     | 117    | 34.7   | 3030   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Cm-243/244   | -0.0021 UJ | 0.0188 | 0.0036 | 0.0443 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Co-60        | -0.0013 U  | 0.0168 | 0.0051 | 0.028  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Cs-134       | 0.0052 U   | 0.0162 | 0.0054 | 0.0864 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Cs-137       | 0.0037 U   | 0.0165 | 0.0048 | 0.207  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Eu-152       | -0.0288 U  | 0.0417 | 0.0156 | 0.0566 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Eu-154       | -0.0643 UJ | 0.0878 | 0.0313 | 0.15   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Eu-155       | 0.0813 JS  | 0.0687 | 0.0285 | 0.231  | 1.00 - 4.00             |
| 8N-00103        | 40190     | H-3          | -0.267 U   | 7.17   | 2.11   | 11.9   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Ho-166m      | -0.0074 U  | 0.0234 | 0.0072 | 0.0432 | 1.00 - 4.00             |
| 8N-00103        | 40190     | K-40         | 21.1       | 0.109  | 1.21   | 32.4   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Na-22        | -0.0008 U  | 0.0207 | 0.0062 | 0.037  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Nb-94        | 0.0045 U   | 0.0138 | 0.0041 | 0.0214 | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00103        | 40190     | Ni-59        | 0.132 U   | 3.61   | 0.994  | 5.96   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Ni-63        | 0.131 U   | 1.11   | 0.331  | 4.92   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Np-236       | -0.0164 U | 0.0331 | 0.0105 | 0.047  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Np-239       | 0.0449 UJ | 0.118  | 0.0364 | 0.139  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Pa-231       | -0.0915 U | 0.71   | 0.222  | 0.936  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Pb-212       | 1.62      | 0.0363 | 0.102  | 2.69   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Pb-214       | 0.981     | 0.0298 | 0.0489 | 1.7    | 1.00 - 4.00             |
| 8N-00103        | 40190     | Pu-238       | 0.0061    | 0.0172 | 0.0051 | 0.0415 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Pu-239/240   | -0.0031 U | 0.0243 | 0.0043 | 0.0404 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Pu-244       | 0.0054    | 0.0073 | 0.0038 | 0.0313 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Sb-125       | 0.0111 U  | 0.0456 | 0.0139 | 0.354  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Sn-126       | -0.0022 U | 0.0148 | 0.0044 | 0.0237 | 1.00 - 4.00             |
| 8N-00103        | 40190     | Sr-90        | 0.0754 U  | 0.22   | 0.0657 | 0.485  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Tc-99        | 0.0295 U  | 1      | 0.296  | 1.63   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Th-228       | 1.7       | 0.0788 | 0.156  | 3.98   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Th-229       | 0.0411    | 0.0505 | 0.0195 | 0.145  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Th-230       | 0.841     | 0.0185 | 0.0903 | 2.2    | 1.00 - 4.00             |
| 8N-00103        | 40190     | Th-232       | 1.07      | 0.0502 | 0.106  | 3.1    | 1.00 - 4.00             |
| 8N-00103        | 40190     | Th-234       | 1.39      | 0.263  | 0.137  | 3.19   | 1.00 - 4.00             |
| 8N-00103        | 40190     | Tl-208       | 0.514     | 0.018  | 0.0296 | 0.937  | 1.00 - 4.00             |
| 8N-00103        | 40190     | Tm-171       | 0.951 U   | 13.5   | 4.68   | 72.4   | 1.00 - 4.00             |
| 8N-00103        | 40190     | U-233/234    | 0.941     | 0.0471 | 0.111  | 2.02   | 1.00 - 4.00             |
| 8N-00103        | 40190     | U-235/236    | 0.0274    | 0.0247 | 0.016  | 0.151  | 1.00 - 4.00             |
| 8N-00103        | 40190     | U-238        | 0.832     | 0.0583 | 0.102  | 1.8    | 1.00 - 4.00             |
| 8N-00104        | 40191     | Ac-227       | 0.0698 U  | 0.203  | 0.0636 | 0.217  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Am-241       | 0.003 U   | 0.0154 | 0.0039 | 0.0454 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Am-243       | 0.0147    | 0.0149 | 0.0065 | 0.0333 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Bi-212       | 1.13 J    | 0.196  | 0.124  | 2.15   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Bi-214       | 0.895     | 0.0378 | 0.0465 | 1.59   | 1.00 - 5.00             |
| 8N-00104        | 40191     | C-14         | 0.0205 U  | 0.776  | 0.231  | 2.96   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00104        | 40191     | Cd-113m      | -6.97 U    | 134    | 41.4   | 3030   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Cm-243/244   | 0.012      | 0.0054 | 0.005  | 0.0443 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Co-60        | 0 U        | 0.0252 | 0.0072 | 0.028  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Cs-134       | -0.0022 U  | 0.0216 | 0.0075 | 0.0864 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Cs-137       | -0.0102 U  | 0.0219 | 0.0072 | 0.207  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Eu-152       | 0.0074 U   | 0.052  | 0.0162 | 0.0566 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Eu-154       | -0.0187 U  | 0.129  | 0.0446 | 0.15   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Eu-155       | 0.0952 JS  | 0.0606 | 0.0247 | 0.231  | 1.00 - 5.00             |
| 8N-00104        | 40191     | H-3          | 0.134 U    | 6.68   | 1.97   | 11.9   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Ho-166m      | -0.0121 U  | 0.0317 | 0.0098 | 0.0432 | 1.00 - 5.00             |
| 8N-00104        | 40191     | K-40         | 22.1       | 0.158  | 1.22   | 32.4   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Na-22        | -0.0058 U  | 0.0315 | 0.0093 | 0.037  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Nb-94        | 0.0025 U   | 0.0193 | 0.0055 | 0.0214 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Ni-59        | 0.0608 U   | 3.25   | 0.859  | 5.96   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Ni-63        | -0.164 U   | 1.18   | 0.351  | 4.92   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Np-236       | -0.0029 U  | 0.0315 | 0.0093 | 0.047  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Np-239       | -0.0248 U  | 0.128  | 0.0399 | 0.139  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Pa-231       | 0.199 U    | 0.826  | 0.257  | 0.936  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Pb-212       | 1.7        | 0.0409 | 0.0961 | 2.69   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Pb-214       | 0.93       | 0.0367 | 0.0451 | 1.7    | 1.00 - 5.00             |
| 8N-00104        | 40191     | Pu-238       | 0.0021     | 0.0057 | 0.0021 | 0.0415 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Pu-239/240   | -0.0009 U  | 0.0165 | 0.003  | 0.0404 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Pu-244       | 0.0027 UJ  | 0.0133 | 0.0033 | 0.0313 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Sb-125       | -0.0078 UJ | 0.0571 | 0.017  | 0.354  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Sn-126       | 0.0081 U   | 0.0221 | 0.0065 | 0.0237 | 1.00 - 5.00             |
| 8N-00104        | 40191     | Sr-90        | 0.0665 U   | 0.187  | 0.0558 | 0.485  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Tc-99        | -0.341 U   | 1.51   | 0.43   | 1.63   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Th-228       | 1.34 J     | 0.187  | 0.171  | 3.98   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Th-229       | 0.0231 UJ  | 0.107  | 0.0283 | 0.145  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Th-230       | 0.784      | 0.107  | 0.111  | 2.2    | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00104        | 40191     | Th-232       | 1.07       | 0.107  | 0.134  | 3.1    | 1.00 - 5.00             |
| 8N-00104        | 40191     | Th-234       | 1.36       | 0.224  | 0.12   | 3.19   | 1.00 - 5.00             |
| 8N-00104        | 40191     | Tl-208       | 0.563      | 0.0246 | 0.0341 | 0.937  | 1.00 - 5.00             |
| 8N-00104        | 40191     | Tm-171       | 1.46 U     | 8.84   | 2.83   | 72.4   | 1.00 - 5.00             |
| 8N-00104        | 40191     | U-233/234    | 0.748      | 0.0553 | 0.0883 | 2.02   | 1.00 - 5.00             |
| 8N-00104        | 40191     | U-235/236    | 0.0399     | 0.0481 | 0.0195 | 0.151  | 1.00 - 5.00             |
| 8N-00104        | 40191     | U-238        | 0.819      | 0.0613 | 0.0943 | 1.8    | 1.00 - 5.00             |
| 8N-00105        | 40192     | Ac-227       | -0.104 U   | 0.203  | 0.0684 | 0.217  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Am-241       | -0.0009 U  | 0.0165 | 0.003  | 0.0454 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Am-243       | 0.0067     | 0.0186 | 0.0055 | 0.0333 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Bi-212       | 1.39 J     | 0.212  | 0.141  | 2.15   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Bi-214       | 1          | 0.0392 | 0.05   | 1.59   | 1.00 - 5.00             |
| 8N-00105        | 40192     | C-14         | 0.0166 U   | 0.769  | 0.229  | 2.96   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Cd-113m      | -2.14 U    | 139    | 42.7   | 3030   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Cm-243/244   | 0.0107     | 0.0058 | 0.0048 | 0.0443 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Co-60        | 0.0066 U   | 0.0282 | 0.008  | 0.028  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Cs-134       | -0.0009 U  | 0.0231 | 0.008  | 0.0864 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Cs-137       | -0.0203 UJ | 0.0216 | 0.0085 | 0.207  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Eu-152       | 0.002 U    | 0.0531 | 0.0174 | 0.0566 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Eu-154       | -0.0371 U  | 0.136  | 0.0417 | 0.15   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Eu-155       | 0.0451 JS  | 0.0653 | 0.0216 | 0.231  | 1.00 - 5.00             |
| 8N-00105        | 40192     | H-3          | 0.785 U    | 7.01   | 2.08   | 11.9   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Ho-166m      | 0.0024 U   | 0.0353 | 0.0101 | 0.0432 | 1.00 - 5.00             |
| 8N-00105        | 40192     | K-40         | 20.4       | 0.188  | 1.13   | 32.4   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Na-22        | -0.0004 U  | 0.0322 | 0.0092 | 0.037  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Nb-94        | 0.0029 U   | 0.0207 | 0.0059 | 0.0214 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Ni-59        | -2.08 U    | 4.12   | 1.31   | 5.96   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Ni-63        | 0.822      | 1.34   | 0.418  | 4.92   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Np-236       | -0.0082 U  | 0.0321 | 0.0097 | 0.047  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Np-239       | -0.0155 U  | 0.13   | 0.0402 | 0.139  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00105        | 40192     | Pa-231       | 0.295 U    | 0.87   | 0.273  | 0.936  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Pb-212       | 1.76       | 0.0426 | 0.0998 | 2.69   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Pb-214       | 0.999      | 0.0381 | 0.0487 | 1.7    | 1.00 - 5.00             |
| 8N-00105        | 40192     | Pu-238       | -0.0018 U  | 0.0162 | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Pu-239/240   | 0.0007 U   | 0.0161 | 0.0031 | 0.0404 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Pu-244       | -0.0055 UJ | 0.0229 | 0.004  | 0.0313 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Sb-125       | 0.0246 UJ  | 0.0613 | 0.0185 | 0.354  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Sn-126       | 0.0055 U   | 0.0229 | 0.0066 | 0.0237 | 1.00 - 5.00             |
| 8N-00105        | 40192     | Sr-90        | 1.39       | 0.156  | 0.165  | 0.485  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Tc-99        | -0.209 U   | 1.55   | 0.445  | 1.63   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Th-228       | 1.38 J     | 0.215  | 0.176  | 3.98   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Th-229       | 0.0461 UJ  | 0.124  | 0.0365 | 0.145  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Th-230       | 0.85       | 0.124  | 0.117  | 2.2    | 1.00 - 5.00             |
| 8N-00105        | 40192     | Th-232       | 1.24       | 0.031  | 0.145  | 3.1    | 1.00 - 5.00             |
| 8N-00105        | 40192     | Th-234       | 1.71       | 0.219  | 0.14   | 3.19   | 1.00 - 5.00             |
| 8N-00105        | 40192     | Tl-208       | 0.599      | 0.0257 | 0.0369 | 0.937  | 1.00 - 5.00             |
| 8N-00105        | 40192     | Tm-171       | 2.73 U     | 9.19   | 2.98   | 72.4   | 1.00 - 5.00             |
| 8N-00105        | 40192     | U-233/234    | 0.856      | 0.0395 | 0.097  | 2.02   | 1.00 - 5.00             |
| 8N-00105        | 40192     | U-235/236    | 0.046      | 0.0208 | 0.0191 | 0.151  | 1.00 - 5.00             |
| 8N-00105        | 40192     | U-238        | 0.788      | 0.0168 | 0.0912 | 1.8    | 1.00 - 5.00             |
| 8N-00106        | 40193     | Ac-227       | -0.0007    | 0.221  | 0.0677 | 0.217  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Am-241       | -0.0024    | 0.0209 | 0.004  | 0.0454 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Am-243       | -0.0014    | 0.0247 | 0.0045 | 0.0333 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Bi-212       | 1.3        | 0.162  | 0.106  | 2.15   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Bi-214       | 1.08       | 0.0328 | 0.0503 | 1.59   | 1.00 - 3.50             |
| 8N-00106        | 40193     | C-14         | -0.166     | 0.76   | 0.224  | 2.96   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Cd-113m      | -7.23      | 148    | 45.4   | 3030   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Cm-243/244   | 0.0134     | 0.0091 | 0.0068 | 0.0443 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Co-60        | -0.002     | 0.0185 | 0.0055 | 0.028  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Cs-134       | -0.0015    | 0.0185 | 0.0064 | 0.0864 | 1.00 - 3.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00106        | 40193     | Cs-137       | -0.0012  | 0.0178 | 0.0062 | 0.207  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Eu-152       | -0.029   | 0.0525 | 0.0218 | 0.0566 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Eu-154       | 0.0654   | 0.104  | 0.0367 | 0.15   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Eu-155       | 0.111    | 0.0845 | 0.0321 | 0.231  | 1.00 - 3.50             |
| 8N-00106        | 40193     | H-3          | -0.994   | 6.34   | 1.85   | 11.9   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Ho-166m      | -0.015   | 0.0271 | 0.0091 | 0.0432 | 1.00 - 3.50             |
| 8N-00106        | 40193     | K-40         | 20.2     | 0.147  | 1.23   | 32.4   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Na-22        | 0.0033   | 0.024  | 0.0071 | 0.037  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Nb-94        | 0.0011   | 0.016  | 0.0048 | 0.0214 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Ni-59        | -1.77    | 3.28   | 1.06   | 5.96   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Ni-63        | -0.294   | 1.15   | 0.339  | 4.92   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Np-236       | -0.0281  | 0.0426 | 0.0155 | 0.047  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Np-239       | 0.0111   | 0.149  | 0.0455 | 0.139  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Pa-231       | -0.159   | 0.899  | 0.304  | 0.936  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Pb-212       | 2.29     | 0.0444 | 0.14   | 2.69   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Pb-214       | 1.19     | 0.0379 | 0.0565 | 1.7    | 1.00 - 3.50             |
| 8N-00106        | 40193     | Pu-238       | 0.002    | 0.0212 | 0.005  | 0.0415 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Pu-239/240   | 0.0013   | 0.0184 | 0.0041 | 0.0404 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Pu-244       | 0.0183   | 0.0211 | 0.008  | 0.0313 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Sb-125       | 0.0107   | 0.0545 | 0.0161 | 0.354  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Sn-126       | 0.0079   | 0.019  | 0.0059 | 0.0237 | 1.00 - 3.50             |
| 8N-00106        | 40193     | Sr-90        | 0.255    | 0.215  | 0.0776 | 0.485  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Tc-99        | -0.832   | 1.64   | 0.46   | 1.63   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Th-228       | 2.18     | 0.0938 | 0.201  | 3.98   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Th-229       | 0.0413   | 0.0609 | 0.022  | 0.145  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Th-230       | 1.06     | 0.0607 | 0.115  | 2.2    | 1.00 - 3.50             |
| 8N-00106        | 40193     | Th-232       | 1.54     | 0.0605 | 0.147  | 3.1    | 1.00 - 3.50             |
| 8N-00106        | 40193     | Th-234       | 1.84     | 0.355  | 0.187  | 3.19   | 1.00 - 3.50             |
| 8N-00106        | 40193     | Tl-208       | 0.692    | 0.0214 | 0.0375 | 0.937  | 1.00 - 3.50             |
| 8N-00106        | 40193     | Tm-171       | -2.28    | 19.8   | 6.68   | 72.4   | 1.00 - 3.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00106        | 40193     | U-233/234    | 1.13      | 0.0328 | 0.112  | 2.02   | 1.00 - 3.50             |
| 8N-00106        | 40193     | U-235/236    | 0.0718    | 0.0406 | 0.0231 | 0.151  | 1.00 - 3.50             |
| 8N-00106        | 40193     | U-238        | 1.08      | 0.014  | 0.108  | 1.8    | 1.00 - 3.50             |
| 8N-00107        | 40194     | Ac-227       | -0.0275 U | 0.203  | 0.0627 | 0.217  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Am-241       | 0.0038 U  | 0.0296 | 0.0075 | 0.0454 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Am-243       | 0.0065    | 0.0127 | 0.0043 | 0.0333 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Bi-212       | 1.02 J    | 0.155  | 0.104  | 2.15   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Bi-214       | 0.793     | 0.0309 | 0.0388 | 1.59   | 0.00 - 0.50             |
| 8N-00107        | 40194     | C-14         | 0.0699 U  | 0.638  | 0.191  | 2.96   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Cd-113m      | -5.93 U   | 137    | 45.5   | 3030   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Cm-243/244   | -0.0033 U | 0.0397 | 0.0093 | 0.0443 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Co-60        | -0.0043 U | 0.0179 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Cs-134       | 0.0158 JS | 0.0192 | 0.0073 | 0.0864 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Cs-137       | 0.0969    | 0.0159 | 0.0096 | 0.207  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Eu-152       | -0.0096 U | 0.0484 | 0.0209 | 0.0566 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Eu-154       | 0.0139 U  | 0.0975 | 0.0326 | 0.15   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Eu-155       | 0.0382 U  | 0.0788 | 0.0257 | 0.231  | 0.00 - 0.50             |
| 8N-00107        | 40194     | H-3          | 0.0461 U  | 6.36   | 1.78   | 11.9   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Ho-166m      | 0.0059 U  | 0.0259 | 0.0078 | 0.0432 | 0.00 - 0.50             |
| 8N-00107        | 40194     | K-40         | 21.6      | 0.149  | 1.32   | 32.4   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Na-22        | -0.0139 U | 0.0217 | 0.0074 | 0.037  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Nb-94        | 0.0061 U  | 0.0156 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Ni-59        | 0.232 U   | 3.77   | 1.03   | 5.96   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Ni-63        | 0.438 U   | 1.33   | 0.403  | 4.92   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Np-236       | 0.0051 U  | 0.0387 | 0.0116 | 0.047  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Np-239       | -0.041 U  | 0.134  | 0.0423 | 0.139  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Pa-231       | 0.279 U   | 0.85   | 0.275  | 0.936  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Pb-212       | 1.57      | 0.0425 | 0.097  | 2.69   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Pb-214       | 0.966     | 0.0334 | 0.0474 | 1.7    | 0.00 - 0.50             |
| 8N-00107        | 40194     | Pu-238       | 0.0005 U  | 0.0124 | 0.0024 | 0.0415 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00107        | 40194     | Pu-239/240   | 0.0122     | 0.0123 | 0.0054 | 0.0404 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Pu-244       | 0.0039     | 0.0053 | 0.0028 | 0.0313 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Sb-125       | -0.0099 U  | 0.0504 | 0.0151 | 0.354  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Sn-126       | 0.002 U    | 0.0166 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00107        | 40194     | Sr-90        | 0.0352 U   | 0.219  | 0.0632 | 0.485  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Tc-99        | -0.385 U   | 1.22   | 0.359  | 1.63   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Th-228       | 1.28       | 0.106  | 0.148  | 3.98   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Th-229       | 0.0517     | 0.0733 | 0.0265 | 0.145  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Th-230       | 0.886      | 0.0731 | 0.107  | 2.2    | 0.00 - 0.50             |
| 8N-00107        | 40194     | Th-232       | 0.989      | 0.025  | 0.114  | 3.1    | 0.00 - 0.50             |
| 8N-00107        | 40194     | Th-234       | 1.34 J     | 0.306  | 0.155  | 3.19   | 0.00 - 0.50             |
| 8N-00107        | 40194     | Tl-208       | 0.45       | 0.0198 | 0.0265 | 0.937  | 0.00 - 0.50             |
| 8N-00107        | 40194     | Tm-171       | -2.73 U    | 18.5   | 6.26   | 72.4   | 0.00 - 0.50             |
| 8N-00107        | 40194     | U-233/234    | 0.782      | 0.0223 | 0.076  | 2.02   | 0.00 - 0.50             |
| 8N-00107        | 40194     | U-235/236    | 0.0346     | 0.0117 | 0.0125 | 0.151  | 0.00 - 0.50             |
| 8N-00107        | 40194     | U-238        | 0.732      | 0.0095 | 0.0722 | 1.8    | 0.00 - 0.50             |
| 8N-00107        | 40266     | Ac-227       | -0.0049 U  | 0.189  | 0.0572 | 0.217  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Am-241       | 0.0084     | 0.0057 | 0.0042 | 0.0454 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Am-243       | 0.0137     | 0.0053 | 0.0053 | 0.0333 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Bi-212       | 1.07       | 0.159  | 0.0904 | 2.15   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Bi-214       | 1          | 0.0303 | 0.0472 | 1.59   | 0.00 - 0.50             |
| 8N-00107        | 40266     | C-14         | -0.347 U   | 0.945  | 0.279  | 2.96   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Cd-113m      | -6.02 U    | 129    | 42.4   | 3030   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Cm-243/244   | -0.0009 U  | 0.0169 | 0.0031 | 0.0443 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Co-60        | -0.0071 U  | 0.0189 | 0.006  | 0.028  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Cs-134       | 0.0071 U   | 0.0191 | 0.0066 | 0.0864 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Cs-137       | 0.111      | 0.0148 | 0.0105 | 0.207  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Eu-152       | -0.0435 UJ | 0.0466 | 0.0181 | 0.0566 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Eu-154       | -0.083 UJ  | 0.0981 | 0.0361 | 0.15   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Eu-155       | 0.0731 JS  | 0.0672 | 0.0237 | 0.231  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00107        | 40266     | H-3          | -0.447 U  | 6.35   | 1.76   | 11.9   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Ho-166m      | -0.0149 U | 0.0244 | 0.0084 | 0.0432 | 0.00 - 0.50             |
| 8N-00107        | 40266     | K-40         | 21.7      | 0.122  | 1.3    | 32.4   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Na-22        | -0.0064 U | 0.0245 | 0.0076 | 0.037  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Nb-94        | 0.0032 U  | 0.0148 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Ni-59        | -2.79 U   | 5.26   | 1.69   | 5.96   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Ni-63        | -0.571 U  | 1.22   | 0.354  | 4.92   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Np-236       | -0.0128 U | 0.0334 | 0.0104 | 0.047  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Np-239       | 0.0708 J  | 0.128  | 0.0416 | 0.139  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Pa-231       | -0.178 U  | 0.768  | 0.239  | 0.936  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Pb-212       | 1.56      | 0.0397 | 0.0959 | 2.69   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Pb-214       | 1.11      | 0.0323 | 0.054  | 1.7    | 0.00 - 0.50             |
| 8N-00107        | 40266     | Pu-238       | -0.003 U  | 0.0163 | 0.003  | 0.0415 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Pu-239/240   | 0.0041    | 0.0056 | 0.0029 | 0.0404 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Pu-244       | 0.0041    | 0.0056 | 0.0029 | 0.0313 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Sb-125       | 0.0233 U  | 0.0509 | 0.0156 | 0.354  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Sn-126       | 0.0037 U  | 0.0163 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00107        | 40266     | Sr-90        | 0.0548 U  | 0.207  | 0.0607 | 0.485  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Tc-99        | -0.029 U  | 1.75   | 0.515  | 1.63   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Th-228       | 1.35      | 0.158  | 0.142  | 3.98   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Th-229       | 0.0434    | 0.0532 | 0.0206 | 0.145  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Th-230       | 0.902     | 0.0531 | 0.0973 | 2.2    | 0.00 - 0.50             |
| 8N-00107        | 40266     | Th-232       | 1.01      | 0.053  | 0.105  | 3.1    | 0.00 - 0.50             |
| 8N-00107        | 40266     | Th-234       | 1.46 J    | 0.265  | 0.147  | 3.19   | 0.00 - 0.50             |
| 8N-00107        | 40266     | Tl-208       | 0.476     | 0.0192 | 0.0274 | 0.937  | 0.00 - 0.50             |
| 8N-00107        | 40266     | Tm-171       | -0.877 U  | 13.6   | 4.78   | 72.4   | 0.00 - 0.50             |
| 8N-00107        | 40266     | U-233/234    | 0.811     | 0.0389 | 0.0929 | 2.02   | 0.00 - 0.50             |
| 8N-00107        | 40266     | U-235/236    | 0.0452    | 0.0204 | 0.0188 | 0.151  | 0.00 - 0.50             |
| 8N-00107        | 40266     | U-238        | 0.869     | 0.0481 | 0.0978 | 1.8    | 0.00 - 0.50             |
| 8N-00108        | 40195     | Ac-227       | -0.0417 U | 0.179  | 0.0537 | 0.217  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00108        | 40195     | Am-241       | 0.0047     | 0.0132 | 0.0039 | 0.0454 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Am-243       | 0.0132     | 0.0159 | 0.0061 | 0.0333 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Bi-212       | 0.768 J    | 0.164  | 0.089  | 2.15   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Bi-214       | 0.726      | 0.0284 | 0.0359 | 1.59   | 0.00 - 0.50             |
| 8N-00108        | 40195     | C-14         | -0.0257 U  | 0.786  | 0.233  | 2.96   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Cd-113m      | 4.56 U     | 118    | 35.8   | 3030   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Cm-243/244   | 0.0027 U   | 0.0135 | 0.0034 | 0.0443 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Co-60        | 0.0105 J   | 0.021  | 0.0064 | 0.028  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Cs-134       | 0.0539 JS  | 0.0227 | 0.0148 | 0.0864 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Cs-137       | 0.123      | 0.0177 | 0.0109 | 0.207  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Eu-152       | 0.0062 UJ  | 0.0464 | 0.0149 | 0.0566 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Eu-154       | -0.0513 U  | 0.102  | 0.0329 | 0.15   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Eu-155       | 0.0424 JS  | 0.069  | 0.0227 | 0.231  | 0.00 - 0.50             |
| 8N-00108        | 40195     | H-3          | -1.45 U    | 6.41   | 1.72   | 11.9   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Ho-166m      | -0.0035 U  | 0.0252 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8N-00108        | 40195     | K-40         | 18.7       | 0.128  | 1.15   | 32.4   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Na-22        | -0.016 U   | 0.0239 | 0.0083 | 0.037  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Nb-94        | 0.0044 U   | 0.0147 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Ni-59        | -2.38 U    | 4.44   | 1.43   | 5.96   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Ni-63        | -0.603 U   | 1.22   | 0.353  | 4.92   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Np-236       | -0.0234 UJ | 0.0319 | 0.0113 | 0.047  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Np-239       | 0.0475 U   | 0.118  | 0.0358 | 0.139  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Pa-231       | 0.344 U    | 0.726  | 0.251  | 0.936  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Pb-212       | 1.27       | 0.0374 | 0.0772 | 2.69   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Pb-214       | 0.81       | 0.0313 | 0.0405 | 1.7    | 0.00 - 0.50             |
| 8N-00108        | 40195     | Pu-238       | 0.0023     | 0.0061 | 0.0023 | 0.0415 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Pu-239/240   | 0.0068     | 0.0061 | 0.0039 | 0.0404 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Pu-244       | 0          | 0.0061 | 0.0023 | 0.0313 | 0.00 - 0.50             |
| 8N-00108        | 40195     | Sb-125       | 0.0135 U   | 0.0498 | 0.0151 | 0.354  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Sn-126       | 0.0017 U   | 0.0164 | 0.0048 | 0.0237 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00108        | 40195     | Sr-90        | 0.0658 U | 0.126  | 0.0394 | 0.485  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Tc-99        | -0.17 U  | 1.74   | 0.512  | 1.63   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Th-228       | 1.39     | 0.124  | 0.143  | 3.98   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Th-229       | 0.0075 U | 0.0987 | 0.025  | 0.145  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Th-230       | 0.901    | 0.0204 | 0.0977 | 2.2    | 0.00 - 0.50             |
| 8N-00108        | 40195     | Th-232       | 0.966    | 0.0203 | 0.102  | 3.1    | 0.00 - 0.50             |
| 8N-00108        | 40195     | Th-234       | 0.902 J  | 0.258  | 0.13   | 3.19   | 0.00 - 0.50             |
| 8N-00108        | 40195     | Tl-208       | 0.398    | 0.0187 | 0.0251 | 0.937  | 0.00 - 0.50             |
| 8N-00108        | 40195     | Tm-171       | -3.33 U  | 16.2   | 5.36   | 72.4   | 0.00 - 0.50             |
| 8N-00108        | 40195     | U-233/234    | 0.605    | 0.0511 | 0.0779 | 2.02   | 0.00 - 0.50             |
| 8N-00108        | 40195     | U-235/236    | 0.04     | 0.0217 | 0.0181 | 0.151  | 0.00 - 0.50             |
| 8N-00108        | 40195     | U-238        | 0.559    | 0.0412 | 0.0736 | 1.8    | 0.00 - 0.50             |
| 8N-00109        | 40196     | Ac-227       | 0.0606   | 0.24   | 0.0714 | 0.217  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Am-241       | 0.0025   | 0.0222 | 0.0055 | 0.0454 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Am-243       | -0.0014  | 0.0251 | 0.0055 | 0.0333 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Bi-212       | 1.17     | 0.235  | 0.131  | 2.15   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Bi-214       | 0.869    | 0.0405 | 0.0466 | 1.59   | 1.00 - 5.00             |
| 8N-00109        | 40196     | C-14         | -0.0602  | 0.773  | 0.23   | 2.96   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Cd-113m      | -26.7    | 162    | 48.3   | 3030   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Cm-243/244   | -0.0007  | 0.0263 | 0.006  | 0.0443 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Co-60        | 0.009    | 0.0273 | 0.0078 | 0.028  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Cs-134       | -0.0046  | 0.0243 | 0.0083 | 0.0864 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Cs-137       | -0.0071  | 0.0237 | 0.0072 | 0.207  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Eu-152       | -0.0237  | 0.0653 | 0.0222 | 0.0566 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Eu-154       | -0.0197  | 0.148  | 0.0449 | 0.15   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Eu-155       | 0.0761   | 0.0814 | 0.0309 | 0.231  | 1.00 - 5.00             |
| 8N-00109        | 40196     | H-3          | -2.04    | 6.78   | 1.96   | 11.9   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Ho-166m      | -0.0032  | 0.0374 | 0.011  | 0.0432 | 1.00 - 5.00             |
| 8N-00109        | 40196     | K-40         | 18.3     | 0.2    | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Na-22        | -0.0093  | 0.0332 | 0.0101 | 0.037  | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00109        | 40196     | Nb-94        | 0.0012   | 0.0214 | 0.0062 | 0.0214 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Ni-59        | -2.92    | 3.89   | 1.38   | 5.96   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Ni-63        | 0.288    | 1.36   | 0.409  | 4.92   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Np-236       | 0.0058   | 0.0422 | 0.0129 | 0.047  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Np-239       | -0.0516  | 0.152  | 0.0466 | 0.139  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Pa-231       | -0.294   | 0.962  | 0.306  | 0.936  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Pb-212       | 1.7      | 0.0484 | 0.101  | 2.69   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Pb-214       | 0.949    | 0.0443 | 0.0485 | 1.7    | 1.00 - 5.00             |
| 8N-00109        | 40196     | Pu-238       | 0.0025   | 0.0123 | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Pu-239/240   | 0.0011   | 0.0152 | 0.0034 | 0.0404 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Pu-244       | 0.0135   | 0.0052 | 0.0051 | 0.0313 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Sb-125       | 0.0317   | 0.0679 | 0.0212 | 0.354  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Sn-126       | -0.0039  | 0.0238 | 0.0071 | 0.0237 | 1.00 - 5.00             |
| 8N-00109        | 40196     | Sr-90        | 0.295    | 0.294  | 0.1    | 0.485  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Tc-99        | -0.527   | 1.49   | 0.425  | 1.63   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Th-228       | 1.3      | 0.102  | 0.136  | 3.98   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Th-229       | 0.0334   | 0.065  | 0.0209 | 0.145  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Th-230       | 0.647    | 0.0648 | 0.0804 | 2.2    | 1.00 - 5.00             |
| 8N-00109        | 40196     | Th-232       | 0.995    | 0.0647 | 0.105  | 3.1    | 1.00 - 5.00             |
| 8N-00109        | 40196     | Th-234       | 1.46     | 0.333  | 0.172  | 3.19   | 1.00 - 5.00             |
| 8N-00109        | 40196     | Tl-208       | 0.561    | 0.0271 | 0.0352 | 0.937  | 1.00 - 5.00             |
| 8N-00109        | 40196     | Tm-171       | -5.03    | 16.6   | 5.73   | 72.4   | 1.00 - 5.00             |
| 8N-00109        | 40196     | U-233/234    | 0.742    | 0.0401 | 0.0823 | 2.02   | 1.00 - 5.00             |
| 8N-00109        | 40196     | U-235/236    | 0.0314   | 0.017  | 0.0142 | 0.151  | 1.00 - 5.00             |
| 8N-00109        | 40196     | U-238        | 0.661    | 0.0138 | 0.0754 | 1.8    | 1.00 - 5.00             |
| 8N-00109        | 40267     | Ac-227       | -0.07    | 0.204  | 0.0637 | 0.217  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Am-241       | -0.0003  | 0.0191 | 0.004  | 0.0454 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Am-243       | 0.0153   | 0.0159 | 0.0065 | 0.0333 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Bi-212       | 1.21     | 0.165  | 0.111  | 2.15   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Bi-214       | 0.893    | 0.0315 | 0.0479 | 1.59   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00109        | 40267     | C-14         | -0.19    | 0.756  | 0.223  | 2.96   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Cd-113m      | -79.8    | 138    | 45.9   | 3030   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Cm-243/244   | 0.0028   | 0.0137 | 0.0034 | 0.0443 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Co-60        | -0.0076  | 0.0206 | 0.0064 | 0.028  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Cs-134       | -0.0025  | 0.0192 | 0.0067 | 0.0864 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Cs-137       | -0.0072  | 0.0192 | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Eu-152       | -0.0274  | 0.0506 | 0.0182 | 0.0566 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Eu-154       | -0.0713  | 0.107  | 0.0367 | 0.15   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Eu-155       | 0.105    | 0.0807 | 0.0346 | 0.231  | 1.00 - 5.00             |
| 8N-00109        | 40267     | H-3          | 1.46     | 6.81   | 2.04   | 11.9   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Ho-166m      | 0.0145   | 0.0285 | 0.0089 | 0.0432 | 1.00 - 5.00             |
| 8N-00109        | 40267     | K-40         | 21.3     | 0.131  | 1.34   | 32.4   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Na-22        | -0.0175  | 0.0253 | 0.009  | 0.037  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Nb-94        | 0.0022   | 0.016  | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Ni-59        | 0.125    | 4.19   | 1.15   | 5.96   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Ni-63        | -0.0684  | 1.43   | 0.424  | 4.92   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Np-236       | -0.002   | 0.0394 | 0.0121 | 0.047  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Np-239       | 0.0596   | 0.14   | 0.0434 | 0.139  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Pa-231       | -0.313   | 0.833  | 0.272  | 0.936  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Pb-212       | 1.82     | 0.0416 | 0.11   | 2.69   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Pb-214       | 0.996    | 0.0353 | 0.0492 | 1.7    | 1.00 - 5.00             |
| 8N-00109        | 40267     | Pu-238       | 0.0021   | 0.0057 | 0.0021 | 0.0415 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Pu-239/240   | -0.0045  | 0.0189 | 0.0034 | 0.0404 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Pu-244       | 0.0033   | 0.0165 | 0.0042 | 0.0313 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Sb-125       | 0.0113   | 0.0538 | 0.0157 | 0.354  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Sn-126       | 0.0127   | 0.0191 | 0.0063 | 0.0237 | 1.00 - 5.00             |
| 8N-00109        | 40267     | Sr-90        | 0.0778   | 0.146  | 0.0458 | 0.485  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Tc-99        | -0.849   | 1.56   | 0.436  | 1.63   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Th-228       | 1.65     | 0.0693 | 0.16   | 3.98   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Th-229       | 0.0233   | 0.0572 | 0.0174 | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00109        | 40267     | Th-230       | 0.628      | 0.021  | 0.0793 | 2.2    | 1.00 - 5.00             |
| 8N-00109        | 40267     | Th-232       | 1.24       | 0.0569 | 0.123  | 3.1    | 1.00 - 5.00             |
| 8N-00109        | 40267     | Th-234       | 1.56       | 0.388  | 0.41   | 3.19   | 1.00 - 5.00             |
| 8N-00109        | 40267     | Tl-208       | 0.537      | 0.021  | 0.0313 | 0.937  | 1.00 - 5.00             |
| 8N-00109        | 40267     | Tm-171       | -3.46      | 19.5   | 5.9    | 72.4   | 1.00 - 5.00             |
| 8N-00109        | 40267     | U-233/234    | 0.623      | 0.0213 | 0.0632 | 2.02   | 1.00 - 5.00             |
| 8N-00109        | 40267     | U-235/236    | 0.0414     | 0.0112 | 0.0134 | 0.151  | 1.00 - 5.00             |
| 8N-00109        | 40267     | U-238        | 0.626      | 0.0091 | 0.0633 | 1.8    | 1.00 - 5.00             |
| 8N-00110        | 40197     | Ac-227       | -0.0621 U  | 0.164  | 0.0516 | 0.217  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Am-241       | 0.0115     | 0.0139 | 0.0056 | 0.0454 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Am-243       | 0.0033 U   | 0.0169 | 0.0043 | 0.0333 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Bi-212       | 0.915      | 0.136  | 0.0866 | 2.15   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Bi-214       | 0.833      | 0.0245 | 0.0398 | 1.59   | 0.00 - 0.50             |
| 8N-00110        | 40197     | C-14         | -0.437 U   | 0.911  | 0.268  | 2.96   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Cd-113m      | -9.3 U     | 113    | 33.7   | 3030   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Cm-243/244   | 0.0029 U   | 0.0142 | 0.0035 | 0.0443 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Co-60        | -0.0061 U  | 0.0163 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Cs-134       | 0.0227 JS  | 0.017  | 0.0083 | 0.0864 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Cs-137       | 0.0711     | 0.0142 | 0.0073 | 0.207  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Eu-152       | -0.0114 UJ | 0.0409 | 0.0132 | 0.0566 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Eu-154       | -0.0566 U  | 0.0831 | 0.029  | 0.15   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Eu-155       | 0.0615 JS  | 0.063  | 0.0226 | 0.231  | 0.00 - 0.50             |
| 8N-00110        | 40197     | H-3          | 1.75 U     | 6      | 1.77   | 11.9   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Ho-166m      | -0.0054 U  | 0.0222 | 0.0067 | 0.0432 | 0.00 - 0.50             |
| 8N-00110        | 40197     | K-40         | 18.1       | 0.105  | 1.04   | 32.4   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Na-22        | -0.0017 U  | 0.0199 | 0.006  | 0.037  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Nb-94        | 0.0019 U   | 0.0131 | 0.0038 | 0.0214 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Ni-59        | 0.742 U    | 6.43   | 1.76   | 5.96   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Ni-63        | 0.0393 U   | 1.27   | 0.379  | 4.92   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Np-236       | -0.0066 U  | 0.0318 | 0.0094 | 0.047  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00110        | 40197     | Np-239       | 0.0538 U  | 0.112  | 0.0352 | 0.139  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Pa-231       | -0.072 U  | 0.684  | 0.206  | 0.936  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Pb-212       | 1.53      | 0.0356 | 0.097  | 2.69   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Pb-214       | 0.947     | 0.0286 | 0.0478 | 1.7    | 0.00 - 0.50             |
| 8N-00110        | 40197     | Pu-238       | 0         | 0.0075 | 0.0028 | 0.0415 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Pu-239/240   | 0.0043 U  | 0.0217 | 0.0055 | 0.0404 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Pu-244       | 0.011     | 0.0074 | 0.0055 | 0.0313 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Sb-125       | 0.0155 U  | 0.0449 | 0.0138 | 0.354  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Sn-126       | 0.0041 U  | 0.0148 | 0.0043 | 0.0237 | 0.00 - 0.50             |
| 8N-00110        | 40197     | Sr-90        | 0.433     | 0.145  | 0.0785 | 0.485  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Tc-99        | 0.552 U   | 1.74   | 0.523  | 1.63   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Th-228       | 1.62      | 0.0979 | 0.156  | 3.98   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Th-229       | 0 U       | 0.0873 | 0.0206 | 0.145  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Th-230       | 0.971     | 0.0534 | 0.102  | 2.2    | 0.00 - 0.50             |
| 8N-00110        | 40197     | Th-232       | 1.38      | 0.0196 | 0.129  | 3.1    | 0.00 - 0.50             |
| 8N-00110        | 40197     | Th-234       | 1.18 J    | 0.254  | 0.133  | 3.19   | 0.00 - 0.50             |
| 8N-00110        | 40197     | Tl-208       | 0.495     | 0.017  | 0.0286 | 0.937  | 0.00 - 0.50             |
| 8N-00110        | 40197     | Tm-171       | -2.71 U   | 12.9   | 4.56   | 72.4   | 0.00 - 0.50             |
| 8N-00110        | 40197     | U-233/234    | 0.536     | 0.0158 | 0.0686 | 2.02   | 0.00 - 0.50             |
| 8N-00110        | 40197     | U-235/236    | 0.067     | 0.046  | 0.024  | 0.151  | 0.00 - 0.50             |
| 8N-00110        | 40197     | U-238        | 0.754     | 0.0158 | 0.0867 | 1.8    | 0.00 - 0.50             |
| 8N-00111        | 40217     | Ac-227       | -0.0189 U | 0.199  | 0.0617 | 0.217  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Am-241       | 0.0027 U  | 0.0134 | 0.0033 | 0.0454 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Bi-212       | 0.881     | 0.164  | 0.0824 | 2.15   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Bi-214       | 0.884     | 0.029  | 0.0426 | 1.59   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Cd-113m      | 20.1 U    | 136    | 42     | 3030   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Cm-243/244   | 0         | 0.0058 | 0.0022 | 0.0443 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Co-60        | -0.0018 U | 0.0187 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Cs-134       | -0.0072 U | 0.0174 | 0.0063 | 0.0864 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Cs-137       | 0.136     | 0.0167 | 0.0104 | 0.207  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00111        | 40217     | Eu-152       | -0.005 U   | 0.048  | 0.0188 | 0.0566 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Eu-154       | -0.0023 U  | 0.104  | 0.0313 | 0.15   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Eu-155       | 0.0606 SJ  | 0.0806 | 0.0276 | 0.231  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Ho-166m      | 0.0054 U   | 0.0264 | 0.0077 | 0.0432 | 0.00 - 0.50             |
| 8N-00111        | 40217     | K-40         | 21         | 0.118  | 1.31   | 32.4   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Na-22        | -0.0168 LU | 0.0239 | 0.0084 | 0.037  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Nb-94        | 0.0046 U   | 0.0154 | 0.0046 | 0.0214 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Np-236       | 0.0149 U   | 0.0397 | 0.0122 | 0.047  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Np-239       | -0.0209 U  | 0.135  | 0.0419 | 0.139  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Pa-231       | -0.291 U   | 0.802  | 0.271  | 0.936  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Pb-212       | 1.43       | 0.0407 | 0.0953 | 2.69   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Pb-214       | 0.955      | 0.0343 | 0.0491 | 1.7    | 0.00 - 0.50             |
| 8N-00111        | 40217     | Pu-238       | 0.0248     | 0.0168 | 0.0125 | 0.0415 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Pu-239/240   | 0.0202     | 0.0393 | 0.0132 | 0.0404 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Pu-244       | 0          | 0.0167 | 0.0062 | 0.0313 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Sb-125       | -0.0059 U  | 0.0525 | 0.0158 | 0.354  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Sn-126       | -0.008 U   | 0.0164 | 0.0053 | 0.0237 | 0.00 - 0.50             |
| 8N-00111        | 40217     | Sr-90        | 0.0376 U   | 0.145  | 0.0423 | 0.485  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Th-228       | 1.25       | 0.0955 | 0.13   | 3.98   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Th-229       | 0.0071 U   | 0.0926 | 0.0234 | 0.145  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Th-230       | 0.881      | 0.0655 | 0.0954 | 2.2    | 0.00 - 0.50             |
| 8N-00111        | 40217     | Th-232       | 0.941      | 0.0517 | 0.0989 | 3.1    | 0.00 - 0.50             |
| 8N-00111        | 40217     | Th-234       | 1.16 J     | 0.39   | 0.309  | 3.19   | 0.00 - 0.50             |
| 8N-00111        | 40217     | Tl-208       | 0.429      | 0.0195 | 0.026  | 0.937  | 0.00 - 0.50             |
| 8N-00111        | 40217     | Tm-171       | -2.53 U    | 23     | 6.75   | 72.4   | 0.00 - 0.50             |
| 8N-00111        | 40217     | U-233/234    | 0.903      | 0.0372 | 0.0988 | 2.02   | 0.00 - 0.50             |
| 8N-00111        | 40217     | U-235/236    | 0.0721     | 0.0195 | 0.0234 | 0.151  | 0.00 - 0.50             |
| 8N-00111        | 40217     | U-238        | 0.826      | 0.046  | 0.0928 | 1.8    | 0.00 - 0.50             |
| 8N-00111        | 40218     | Ac-227       | -0.0755    | 0.155  | 0.0491 | 0.217  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Am-241       | 0.0066     | 0.0059 | 0.0038 | 0.0454 | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00111        | 40218     | Bi-212       | 0.909    | 0.115  | 0.0689 | 2.15   | 1.00 - 4.00             |
| 8N-00111        | 40218     | Bi-214       | 0.835    | 0.0227 | 0.039  | 1.59   | 1.00 - 4.00             |
| 8N-00111        | 40218     | Cd-113m      | 0.732    | 104    | 32.6   | 3030   | 1.00 - 4.00             |
| 8N-00111        | 40218     | Cm-243/244   | 0.0022   | 0.006  | 0.0022 | 0.0443 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Co-60        | 0.0021   | 0.0156 | 0.0046 | 0.028  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Cs-134       | -0.0033  | 0.0131 | 0.0047 | 0.0864 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Cs-137       | -0.0062  | 0.0139 | 0.0046 | 0.207  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Eu-152       | 0.0009   | 0.0391 | 0.0115 | 0.0566 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Eu-154       | -0.0573  | 0.0833 | 0.029  | 0.15   | 1.00 - 4.00             |
| 8N-00111        | 40218     | Eu-155       | 0.0288   | 0.0594 | 0.019  | 0.231  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Ho-166m      | -0.0007  | 0.0212 | 0.0065 | 0.0432 | 1.00 - 4.00             |
| 8N-00111        | 40218     | K-40         | 20.6     | 0.0996 | 1.16   | 32.4   | 1.00 - 4.00             |
| 8N-00111        | 40218     | Na-22        | 0.0007   | 0.0199 | 0.0059 | 0.037  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Nb-94        | -0.0011  | 0.0124 | 0.0038 | 0.0214 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Np-236       | 0.0156   | 0.0299 | 0.0097 | 0.047  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Np-239       | -0.0062  | 0.105  | 0.0329 | 0.139  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Pa-231       | -0.217   | 0.636  | 0.195  | 0.936  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Pb-212       | 1.39     | 0.032  | 0.0819 | 2.69   | 1.00 - 4.00             |
| 8N-00111        | 40218     | Pb-214       | 0.914    | 0.0261 | 0.0438 | 1.7    | 1.00 - 4.00             |
| 8N-00111        | 40218     | Pu-238       | 0.0031   | 0.0153 | 0.0038 | 0.0415 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Pu-239/240   | 0.0023   | 0.0296 | 0.0074 | 0.0404 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Pu-244       | 0.0061   | 0.0188 | 0.0054 | 0.0313 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Sb-125       | -0.028   | 0.0376 | 0.0133 | 0.354  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Sn-126       | -0.0108  | 0.0131 | 0.0049 | 0.0237 | 1.00 - 4.00             |
| 8N-00111        | 40218     | Sr-90        | 0.227    | 0.242  | 0.0818 | 0.485  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Th-228       | 1.17     | 0.112  | 0.129  | 3.98   | 1.00 - 4.00             |
| 8N-00111        | 40218     | Th-229       | 0.0155   | 0.0719 | 0.019  | 0.145  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Th-230       | 0.726    | 0.101  | 0.09   | 2.2    | 1.00 - 4.00             |
| 8N-00111        | 40218     | Th-232       | 0.847    | 0.0209 | 0.0955 | 3.1    | 1.00 - 4.00             |
| 8N-00111        | 40218     | Th-234       | 1.34     | 0.236  | 0.145  | 3.19   | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00111        | 40218     | Tl-208       | 0.407      | 0.0158 | 0.0237 | 0.937  | 1.00 - 4.00             |
| 8N-00111        | 40218     | Tm-171       | -3.32      | 11.8   | 4.01   | 72.4   | 1.00 - 4.00             |
| 8N-00111        | 40218     | U-233/234    | 0.909      | 0.0477 | 0.101  | 2.02   | 1.00 - 4.00             |
| 8N-00111        | 40218     | U-235/236    | 0.0524     | 0.0203 | 0.0202 | 0.151  | 1.00 - 4.00             |
| 8N-00111        | 40218     | U-238        | 0.826      | 0.0477 | 0.0941 | 1.8    | 1.00 - 4.00             |
| 8N-00112        | 40219     | Ac-227       | -0.0031 U  | 0.187  | 0.0543 | 0.217  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Am-241       | 0.0026 U   | 0.0129 | 0.0032 | 0.0454 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Bi-212       | 0.909 J    | 0.151  | 0.0919 | 2.15   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Bi-214       | 1.22       | 0.0274 | 0.0553 | 1.59   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Cd-113m      | 72.4 J     | 125    | 40.5   | 3030   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Cm-243/244   | 0.0032 U   | 0.0163 | 0.0042 | 0.0443 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Co-60        | 0.0004 U   | 0.0176 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Cs-134       | 0.01 SK    | 0.0168 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Cs-137       | 0.0494     | 0.0158 | 0.0074 | 0.207  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Eu-152       | -0.0119 U  | 0.0446 | 0.0153 | 0.0566 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Eu-154       | -0.0764 LU | 0.0926 | 0.0339 | 0.15   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Eu-155       | 0.0574 SJ  | 0.0674 | 0.0287 | 0.231  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Ho-166m      | -0.0048 U  | 0.0241 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00112        | 40219     | K-40         | 23.8       | 0.115  | 1.33   | 32.4   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Na-22        | -0.0005 U  | 0.0229 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Nb-94        | 0.0047 U   | 0.0145 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Np-236       | -0.0208 U  | 0.0337 | 0.0115 | 0.047  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Np-239       | 0.0535 U   | 0.122  | 0.0395 | 0.139  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Pa-231       | -0.0325 U  | 0.749  | 0.219  | 0.936  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Pb-212       | 1.63       | 0.0375 | 0.0962 | 2.69   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Pb-214       | 1.3        | 0.0314 | 0.0607 | 1.7    | 0.00 - 0.50             |
| 8N-00112        | 40219     | Pu-238       | 0.0015 U   | 0.0352 | 0.0068 | 0.0415 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Pu-239/240   | 0.018      | 0.035  | 0.0117 | 0.0404 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Pu-244       | 0.0055     | 0.0149 | 0.0055 | 0.0313 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Sb-125       | 0.0076 U   | 0.0479 | 0.0142 | 0.354  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00112        | 40219     | Sn-126       | -0.0048 U | 0.0154 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8N-00112        | 40219     | Sr-90        | 0.303     | 0.167  | 0.0678 | 0.485  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Th-228       | 1.25      | 0.0965 | 0.116  | 3.98   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Th-229       | 0.0509    | 0.0138 | 0.0164 | 0.145  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Th-230       | 1.01      | 0.0138 | 0.0912 | 2.2    | 0.00 - 0.50             |
| 8N-00112        | 40219     | Th-232       | 0.937     | 0.0137 | 0.0868 | 3.1    | 0.00 - 0.50             |
| 8N-00112        | 40219     | Th-234       | 1.54 J    | 0.275  | 0.155  | 3.19   | 0.00 - 0.50             |
| 8N-00112        | 40219     | Tl-208       | 0.516     | 0.0178 | 0.0299 | 0.937  | 0.00 - 0.50             |
| 8N-00112        | 40219     | Tm-171       | 2.14 U    | 14.2   | 4.71   | 72.4   | 0.00 - 0.50             |
| 8N-00112        | 40219     | U-233/234    | 1.07      | 0.047  | 0.113  | 2.02   | 0.00 - 0.50             |
| 8N-00112        | 40219     | U-235/236    | 0.0884    | 0.02   | 0.0264 | 0.151  | 0.00 - 0.50             |
| 8N-00112        | 40219     | U-238        | 1.02      | 0.047  | 0.109  | 1.8    | 0.00 - 0.50             |
| 8N-00112        | 40220     | Ac-227       | -0.0546   | 0.216  | 0.0653 | 0.217  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Am-241       | 0.0038    | 0.0052 | 0.0027 | 0.0454 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Bi-212       | 1.18      | 0.182  | 0.107  | 2.15   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Bi-214       | 1.33      | 0.0336 | 0.0622 | 1.59   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Cd-113m      | -7.76     | 144    | 42.6   | 3030   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Cm-243/244   | 0.0083    | 0.0124 | 0.0046 | 0.0443 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Co-60        | -0.0131   | 0.0228 | 0.0077 | 0.028  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Cs-134       | -0.0081   | 0.0198 | 0.0071 | 0.0864 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Cs-137       | -0.0012   | 0.0191 | 0.0065 | 0.207  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Eu-152       | -0.0251   | 0.054  | 0.0188 | 0.0566 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Eu-154       | -0.102    | 0.116  | 0.0431 | 0.15   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Eu-155       | 0.105     | 0.0782 | 0.0336 | 0.231  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Ho-166m      | -0.0021   | 0.0303 | 0.009  | 0.0432 | 1.00 - 2.50             |
| 8N-00112        | 40220     | K-40         | 24.3      | 0.163  | 1.49   | 32.4   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Na-22        | -0.029    | 0.0272 | 0.0111 | 0.037  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Nb-94        | 0.0107    | 0.0185 | 0.0059 | 0.0214 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Np-236       | -0.0135   | 0.0405 | 0.0127 | 0.047  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Np-239       | -0.11     | 0.136  | 0.0482 | 0.139  | 1.00 - 2.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00112        | 40220     | Pa-231       | -0.285    | 0.891  | 0.275  | 0.936  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Pb-212       | 1.73      | 0.0427 | 0.104  | 2.69   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Pb-214       | 1.44      | 0.0383 | 0.0684 | 1.7    | 1.00 - 2.50             |
| 8N-00112        | 40220     | Pu-238       | 0.0041    | 0.0202 | 0.0053 | 0.0415 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Pu-239/240   | 0.0047    | 0.0223 | 0.0059 | 0.0404 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Pu-244       | 0.0035    | 0.0175 | 0.0045 | 0.0313 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Sb-125       | 0.0129    | 0.0581 | 0.0177 | 0.354  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Sn-126       | 0.005     | 0.0199 | 0.0059 | 0.0237 | 1.00 - 2.50             |
| 8N-00112        | 40220     | Sr-90        | 0.202     | 0.239  | 0.0797 | 0.485  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Th-228       | 1.13      | 0.149  | 0.139  | 3.98   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Th-229       | 0         | 0.0691 | 0.0133 | 0.145  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Th-230       | 1.04      | 0.069  | 0.119  | 2.2    | 1.00 - 2.50             |
| 8N-00112        | 40220     | Th-232       | 0.766     | 0.0868 | 0.0992 | 3.1    | 1.00 - 2.50             |
| 8N-00112        | 40220     | Th-234       | 1.82      | 0.324  | 0.19   | 3.19   | 1.00 - 2.50             |
| 8N-00112        | 40220     | Tl-208       | 0.516     | 0.0232 | 0.0307 | 0.937  | 1.00 - 2.50             |
| 8N-00112        | 40220     | Tm-171       | -1.77     | 19.8   | 6.5    | 72.4   | 1.00 - 2.50             |
| 8N-00112        | 40220     | U-233/234    | 1.18      | 0.0569 | 0.138  | 2.02   | 1.00 - 2.50             |
| 8N-00112        | 40220     | U-235/236    | 0.0552    | 0.0299 | 0.0251 | 0.151  | 1.00 - 2.50             |
| 8N-00112        | 40220     | U-238        | 1.23      | 0.0569 | 0.142  | 1.8    | 1.00 - 2.50             |
| 8N-00113        | 40221     | Ac-227       | 0.0014 U  | 0.167  | 0.049  | 0.217  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Am-241       | 0.008     | 0.0155 | 0.0052 | 0.0454 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Bi-212       | 0.935     | 0.14   | 0.0814 | 2.15   | 0.00 - 0.50             |
| 8N-00113        | 40221     | Bi-214       | 1.06      | 0.0253 | 0.0482 | 1.59   | 0.00 - 0.50             |
| 8N-00113        | 40221     | Cd-113m      | 40.9 U    | 112    | 36.1   | 3030   | 0.00 - 0.50             |
| 8N-00113        | 40221     | Cm-243/244   | 0.0007 U  | 0.0159 | 0.0031 | 0.0443 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Co-60        | 0.004 U   | 0.0171 | 0.0049 | 0.028  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Cs-134       | -0.0004 U | 0.0154 | 0.0054 | 0.0864 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Cs-137       | 0.147     | 0.0141 | 0.0101 | 0.207  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Eu-152       | -0.0185 U | 0.0407 | 0.0134 | 0.0566 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Eu-154       | -0.0374 U | 0.0888 | 0.0284 | 0.15   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00113        | 40221     | Eu-155       | 0.0493 SJ | 0.06   | 0.0227 | 0.231  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Ho-166m      | -0.0057 U | 0.0215 | 0.0065 | 0.0432 | 0.00 - 0.50             |
| 8N-00113        | 40221     | K-40         | 21.7      | 0.115  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00113        | 40221     | Na-22        | -0.0077 U | 0.0213 | 0.007  | 0.037  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Nb-94        | 0.0027 U  | 0.0133 | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Np-236       | -0.0012 U | 0.0301 | 0.0092 | 0.047  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Np-239       | -0.0229 U | 0.107  | 0.0319 | 0.139  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Pa-231       | 0.343 J   | 0.683  | 0.227  | 0.936  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Pb-212       | 1.41      | 0.0347 | 0.0853 | 2.69   | 0.00 - 0.50             |
| 8N-00113        | 40221     | Pb-214       | 1.12      | 0.0282 | 0.0534 | 1.7    | 0.00 - 0.50             |
| 8N-00113        | 40221     | Pu-238       | -0.014 U  | 0.0587 | 0.0104 | 0.0415 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Pu-239/240   | -0.0121 U | 0.0648 | 0.0113 | 0.0404 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Pu-244       | 0.0065    | 0.0175 | 0.0065 | 0.0313 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Sb-125       | 0.0079 U  | 0.0449 | 0.0134 | 0.354  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Sn-126       | -0.0052 U | 0.0141 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00113        | 40221     | Sr-90        | 0.0541 U  | 0.107  | 0.0332 | 0.485  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Th-228       | 1.26      | 0.167  | 0.138  | 3.98   | 0.00 - 0.50             |
| 8N-00113        | 40221     | Th-229       | 0.0495    | 0.0656 | 0.0236 | 0.145  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Th-230       | 0.951     | 0.0519 | 0.101  | 2.2    | 0.00 - 0.50             |
| 8N-00113        | 40221     | Th-232       | 1         | 0.0921 | 0.106  | 3.1    | 0.00 - 0.50             |
| 8N-00113        | 40221     | Th-234       | 1.44      | 0.227  | 0.131  | 3.19   | 0.00 - 0.50             |
| 8N-00113        | 40221     | Tl-208       | 0.452     | 0.0176 | 0.0265 | 0.937  | 0.00 - 0.50             |
| 8N-00113        | 40221     | Tm-171       | -2.19 U   | 11.7   | 3.97   | 72.4   | 0.00 - 0.50             |
| 8N-00113        | 40221     | U-233/234    | 0.999     | 0.0538 | 0.112  | 2.02   | 0.00 - 0.50             |
| 8N-00113        | 40221     | U-235/236    | 0.0758    | 0.0228 | 0.0259 | 0.151  | 0.00 - 0.50             |
| 8N-00113        | 40221     | U-238        | 0.89      | 0.0538 | 0.103  | 1.8    | 0.00 - 0.50             |
| 8N-00113        | 40222     | Ac-227       | -0.108    | 0.195  | 0.0644 | 0.217  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Am-241       | 0.0028    | 0.0139 | 0.0035 | 0.0454 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Bi-212       | 0.912     | 0.15   | 0.0876 | 2.15   | 1.00 - 5.00             |
| 8N-00113        | 40222     | Bi-214       | 1.03      | 0.0303 | 0.049  | 1.59   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00113        | 40222     | Cd-113m      | 14       | 134    | 39.9   | 3030   | 1.00 - 5.00             |
| 8N-00113        | 40222     | Cm-243/244   | -0.0036  | 0.0243 | 0.0048 | 0.0443 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Co-60        | -0.0024  | 0.0194 | 0.0058 | 0.028  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Cs-134       | -0.0033  | 0.0173 | 0.006  | 0.0864 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Cs-137       | 0.0087   | 0.0174 | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Eu-152       | 0.0111   | 0.0482 | 0.0178 | 0.0566 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Eu-154       | 0.0062   | 0.107  | 0.0309 | 0.15   | 1.00 - 5.00             |
| 8N-00113        | 40222     | Eu-155       | 0.0432   | 0.0757 | 0.0251 | 0.231  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Ho-166m      | 0.0032   | 0.0272 | 0.0081 | 0.0432 | 1.00 - 5.00             |
| 8N-00113        | 40222     | K-40         | 18.8     | 0.139  | 1.16   | 32.4   | 1.00 - 5.00             |
| 8N-00113        | 40222     | Na-22        | 0.009    | 0.0259 | 0.0089 | 0.037  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Nb-94        | 0.0017   | 0.016  | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Np-236       | -0.0034  | 0.0372 | 0.0115 | 0.047  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Np-239       | -0.059   | 0.129  | 0.0411 | 0.139  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Pa-231       | 0.112    | 0.829  | 0.257  | 0.936  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Pb-212       | 1.37     | 0.0393 | 0.0892 | 2.69   | 1.00 - 5.00             |
| 8N-00113        | 40222     | Pb-214       | 1.19     | 0.0329 | 0.0575 | 1.7    | 1.00 - 5.00             |
| 8N-00113        | 40222     | Pu-238       | -0.0064  | 0.0267 | 0.0046 | 0.0415 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Pu-239/240   | -0.0022  | 0.0245 | 0.0049 | 0.0404 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Pu-244       | 0.0045   | 0.0221 | 0.0058 | 0.0313 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Sb-125       | -0.0049  | 0.0492 | 0.0151 | 0.354  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Sn-126       | -0.0039  | 0.0169 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8N-00113        | 40222     | Sr-90        | 0.17     | 0.205  | 0.0681 | 0.485  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Th-228       | 1.53     | 0.141  | 0.164  | 3.98   | 1.00 - 5.00             |
| 8N-00113        | 40222     | Th-229       | 0.0178   | 0.107  | 0.0281 | 0.145  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Th-230       | 0.709    | 0.133  | 0.0967 | 2.2    | 1.00 - 5.00             |
| 8N-00113        | 40222     | Th-232       | 1.23     | 0.0651 | 0.13   | 3.1    | 1.00 - 5.00             |
| 8N-00113        | 40222     | Th-234       | 1.75     | 0.309  | 0.189  | 3.19   | 1.00 - 5.00             |
| 8N-00113        | 40222     | Tl-208       | 0.415    | 0.0198 | 0.025  | 0.937  | 1.00 - 5.00             |
| 8N-00113        | 40222     | Tm-171       | -4.42    | 19     | 6.54   | 72.4   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00113        | 40222     | U-233/234    | 1.04      | 0.0456 | 0.109  | 2.02   | 1.00 - 5.00             |
| 8N-00113        | 40222     | U-235/236    | 0.0878    | 0.0456 | 0.0271 | 0.151  | 1.00 - 5.00             |
| 8N-00113        | 40222     | U-238        | 1.01      | 0.0157 | 0.107  | 1.8    | 1.00 - 5.00             |
| 8N-00114        | 40223     | Ac-227       | 0.084 J   | 0.171  | 0.0532 | 0.217  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Am-241       | 0.0046 U  | 0.0231 | 0.0058 | 0.0454 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Bi-212       | 0.864     | 0.144  | 0.0833 | 2.15   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Bi-214       | 0.86      | 0.0278 | 0.0419 | 1.59   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Cd-113m      | -52.2 U   | 110    | 36.2   | 3030   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Cm-243/244   | 0.0037    | 0.01   | 0.0037 | 0.0443 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Co-60        | -0.0038 U | 0.0165 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Cs-134       | 0.001 U   | 0.0166 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Cs-137       | 0.093     | 0.0159 | 0.0081 | 0.207  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Eu-152       | -0.0105 U | 0.0414 | 0.0132 | 0.0566 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Eu-154       | -0.0604 U | 0.0888 | 0.0303 | 0.15   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Eu-155       | 0.0383 SJ | 0.0619 | 0.0206 | 0.231  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Ho-166m      | 0.0004 U  | 0.0247 | 0.0073 | 0.0432 | 0.00 - 0.50             |
| 8N-00114        | 40223     | K-40         | 20.6      | 0.116  | 1.12   | 32.4   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Na-22        | -0.0035 U | 0.023  | 0.0069 | 0.037  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Nb-94        | 0.0044 U  | 0.0142 | 0.0042 | 0.0214 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Np-236       | -0.0209 U | 0.0306 | 0.0107 | 0.047  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Np-239       | -0.0334 U | 0.107  | 0.0326 | 0.139  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Pa-231       | -0.321 U  | 0.664  | 0.214  | 0.936  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Pb-212       | 1.18      | 0.0336 | 0.069  | 2.69   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Pb-214       | 0.917     | 0.0295 | 0.0442 | 1.7    | 0.00 - 0.50             |
| 8N-00114        | 40223     | Pu-238       | -0.0026 U | 0.0228 | 0.0044 | 0.0415 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Pu-239/240   | 0.001 U   | 0.0227 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Pu-244       | 0.0081    | 0.0227 | 0.0067 | 0.0313 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Sb-125       | -0.0001 U | 0.0454 | 0.0137 | 0.354  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Sn-126       | 0 U       | 0.0157 | 0.0046 | 0.0237 | 0.00 - 0.50             |
| 8N-00114        | 40223     | Sr-90        | 0.0241 U  | 0.0906 | 0.0259 | 0.485  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00114        | 40223     | Th-228       | 1.23     | 0.195  | 0.148  | 3.98   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Th-229       | 0.0514   | 0.112  | 0.0345 | 0.145  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Th-230       | 0.838    | 0.0232 | 0.1    | 2.2    | 0.00 - 0.50             |
| 8N-00114        | 40223     | Th-232       | 1.05     | 0.0231 | 0.116  | 3.1    | 0.00 - 0.50             |
| 8N-00114        | 40223     | Th-234       | 1.12 J   | 0.241  | 0.117  | 3.19   | 0.00 - 0.50             |
| 8N-00114        | 40223     | Tl-208       | 0.396    | 0.018  | 0.0242 | 0.937  | 0.00 - 0.50             |
| 8N-00114        | 40223     | Tm-171       | 4.68 U   | 11.9   | 4.07   | 72.4   | 0.00 - 0.50             |
| 8N-00114        | 40223     | U-233/234    | 0.759    | 0.0166 | 0.0885 | 2.02   | 0.00 - 0.50             |
| 8N-00114        | 40223     | U-235/236    | 0.0607   | 0.0206 | 0.0219 | 0.151  | 0.00 - 0.50             |
| 8N-00114        | 40223     | U-238        | 0.835    | 0.0166 | 0.0946 | 1.8    | 0.00 - 0.50             |
| 8N-00114        | 40224     | Ac-227       | -0.016   | 0.195  | 0.0575 | 0.217  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Am-241       | 0.0165   | 0.0323 | 0.0103 | 0.0454 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Bi-212       | 0.915    | 0.16   | 0.0896 | 2.15   | 1.00 - 4.00             |
| 8N-00114        | 40224     | Bi-214       | 1.07     | 0.0315 | 0.05   | 1.59   | 1.00 - 4.00             |
| 8N-00114        | 40224     | Cd-113m      | 77.4     | 132    | 42.3   | 3030   | 1.00 - 4.00             |
| 8N-00114        | 40224     | Cm-243/244   | 0.0074   | 0.043  | 0.0115 | 0.0443 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Co-60        | -0.0098  | 0.0193 | 0.0064 | 0.028  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Cs-134       | -0.0006  | 0.0182 | 0.0062 | 0.0864 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Cs-137       | 0.112    | 0.0207 | 0.0108 | 0.207  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Eu-152       | -0.0278  | 0.0469 | 0.0163 | 0.0566 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Eu-154       | 0.0114   | 0.111  | 0.0321 | 0.15   | 1.00 - 4.00             |
| 8N-00114        | 40224     | Eu-155       | 0.112    | 0.0698 | 0.0307 | 0.231  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Ho-166m      | -0.0014  | 0.0267 | 0.0079 | 0.0432 | 1.00 - 4.00             |
| 8N-00114        | 40224     | K-40         | 21.8     | 0.139  | 1.34   | 32.4   | 1.00 - 4.00             |
| 8N-00114        | 40224     | Na-22        | -0.0026  | 0.0264 | 0.0079 | 0.037  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Nb-94        | 0.0024   | 0.0159 | 0.0047 | 0.0214 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Np-236       | -0.0039  | 0.0357 | 0.0108 | 0.047  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Np-239       | 0.0031   | 0.126  | 0.0367 | 0.139  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Pa-231       | 0.0595   | 0.799  | 0.236  | 0.936  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Pb-212       | 1.51     | 0.0393 | 0.0909 | 2.69   | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00114        | 40224     | Pb-214       | 1.1       | 0.0338 | 0.0533 | 1.7    | 1.00 - 4.00             |
| 8N-00114        | 40224     | Pu-238       | 0.0007    | 0.0159 | 0.0031 | 0.0415 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Pu-239/240   | 0.0131    | 0.0158 | 0.0064 | 0.0404 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Pu-244       | 0.0081    | 0.0158 | 0.0053 | 0.0313 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Sb-125       | -0.0232   | 0.0505 | 0.0166 | 0.354  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Sn-126       | -0.006    | 0.0181 | 0.0056 | 0.0237 | 1.00 - 4.00             |
| 8N-00114        | 40224     | Sr-90        | 0.127     | 0.236  | 0.0735 | 0.485  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Th-228       | 1.2       | 0.152  | 0.145  | 3.98   | 1.00 - 4.00             |
| 8N-00114        | 40224     | Th-229       | 0.024     | 0.0831 | 0.0231 | 0.145  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Th-230       | 0.772     | 0.125  | 0.103  | 2.2    | 1.00 - 4.00             |
| 8N-00114        | 40224     | Th-232       | 0.884     | 0.0252 | 0.107  | 3.1    | 1.00 - 4.00             |
| 8N-00114        | 40224     | Th-234       | 1.8       | 0.282  | 0.184  | 3.19   | 1.00 - 4.00             |
| 8N-00114        | 40224     | Tl-208       | 0.473     | 0.0195 | 0.0283 | 0.937  | 1.00 - 4.00             |
| 8N-00114        | 40224     | Tm-171       | -14.8     | 16.7   | 6.64   | 72.4   | 1.00 - 4.00             |
| 8N-00114        | 40224     | U-233/234    | 0.814     | 0.0625 | 0.098  | 2.02   | 1.00 - 4.00             |
| 8N-00114        | 40224     | U-235/236    | 0.0451    | 0.0544 | 0.0221 | 0.151  | 1.00 - 4.00             |
| 8N-00114        | 40224     | U-238        | 0.796     | 0.044  | 0.0959 | 1.8    | 1.00 - 4.00             |
| 8N-00115        | 40225     | Ac-227       | -0.0243 U | 0.156  | 0.0483 | 0.217  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Am-241       | 0.0018 U  | 0.019  | 0.0045 | 0.0454 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Bi-212       | 0.931     | 0.129  | 0.0885 | 2.15   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Bi-214       | 0.752     | 0.025  | 0.0365 | 1.59   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Cd-113m      | -3.42 U   | 104    | 31.8   | 3030   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Cm-243/244   | 0.0021 U  | 0.0266 | 0.0067 | 0.0443 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Co-60        | -0.0047 U | 0.0165 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Cs-134       | -0.0002 U | 0.0147 | 0.005  | 0.0864 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Cs-137       | 0.0445    | 0.0155 | 0.0065 | 0.207  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Eu-152       | -0.0111 U | 0.0382 | 0.0119 | 0.0566 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Eu-154       | -0.0453 U | 0.083  | 0.0275 | 0.15   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Eu-155       | 0.0442 SJ | 0.0603 | 0.0203 | 0.231  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Ho-166m      | -0.0086 U | 0.0219 | 0.0071 | 0.0432 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00115        | 40225     | K-40         | 21.7      | 0.105  | 1.23   | 32.4   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Na-22        | -0.0028 U | 0.0203 | 0.0062 | 0.037  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Nb-94        | 0.0032 U  | 0.013  | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Np-236       | -0.0153 U | 0.0284 | 0.0092 | 0.047  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Np-239       | -0.0457 U | 0.101  | 0.0329 | 0.139  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Pa-231       | 0.174 U   | 0.646  | 0.201  | 0.936  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Pb-212       | 1.28      | 0.0311 | 0.0772 | 2.69   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Pb-214       | 0.798     | 0.0272 | 0.0384 | 1.7    | 0.00 - 0.50             |
| 8N-00115        | 40225     | Pu-238       | 0.0041 U  | 0.0203 | 0.0051 | 0.0415 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Pu-239/240   | -0.0014 U | 0.0251 | 0.0045 | 0.0404 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Pu-244       | 0.0127    | 0.0086 | 0.0064 | 0.0313 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Sb-125       | -0.0006 U | 0.0404 | 0.0118 | 0.354  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Sn-126       | -0.0008 U | 0.0144 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00115        | 40225     | Sr-90        | 0.0203 U  | 0.106  | 0.0297 | 0.485  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Th-228       | 1.28 J    | 0.236  | 0.168  | 3.98   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Th-229       | 0.0622    | 0.0962 | 0.033  | 0.145  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Th-230       | 0.754     | 0.028  | 0.103  | 2.2    | 0.00 - 0.50             |
| 8N-00115        | 40225     | Th-232       | 0.938     | 0.0279 | 0.118  | 3.1    | 0.00 - 0.50             |
| 8N-00115        | 40225     | Th-234       | 1.13 J    | 0.232  | 0.125  | 3.19   | 0.00 - 0.50             |
| 8N-00115        | 40225     | Tl-208       | 0.389     | 0.0165 | 0.0231 | 0.937  | 0.00 - 0.50             |
| 8N-00115        | 40225     | Tm-171       | 13.4 J    | 13     | 5.38   | 72.4   | 0.00 - 0.50             |
| 8N-00115        | 40225     | U-233/234    | 0.694     | 0.0782 | 0.0878 | 2.02   | 0.00 - 0.50             |
| 8N-00115        | 40225     | U-235/236    | 0.0993    | 0.0224 | 0.0296 | 0.151  | 0.00 - 0.50             |
| 8N-00115        | 40225     | U-238        | 0.651     | 0.0427 | 0.0826 | 1.8    | 0.00 - 0.50             |
| 8N-00115        | 40226     | Ac-227       | -0.0023 U | 0.233  | 0.0717 | 0.217  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Am-241       | 0.0088    | 0.006  | 0.0044 | 0.0454 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Bi-212       | 1.11      | 0.172  | 0.109  | 2.15   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Bi-214       | 1.03      | 0.0336 | 0.05   | 1.59   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Cd-113m      | -59.8 U   | 156    | 50.7   | 3030   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Cm-243/244   | 0.0068    | 0.0061 | 0.0039 | 0.0443 | 1.00 - 2.33             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00115        | 40226     | Co-60        | -0.0182 UJ | 0.021  | 0.0079 | 0.028  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Cs-134       | -0.0098 U  | 0.0195 | 0.0072 | 0.0864 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Cs-137       | 0.116      | 0.0206 | 0.0112 | 0.207  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Eu-152       | -0.0257 U  | 0.0566 | 0.0197 | 0.0566 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Eu-154       | -0.0187 U  | 0.122  | 0.0372 | 0.15   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Eu-155       | 0.0362 U   | 0.0938 | 0.0289 | 0.231  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Ho-166m      | 0.007 U    | 0.0309 | 0.0091 | 0.0432 | 1.00 - 2.33             |
| 8N-00115        | 40226     | K-40         | 23.1       | 0.146  | 1.44   | 32.4   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Na-22        | -0.003 U   | 0.0285 | 0.0095 | 0.037  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Nb-94        | 0.0135 J   | 0.0178 | 0.0059 | 0.0214 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Np-236       | 0.008 U    | 0.0458 | 0.0137 | 0.047  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Np-239       | -0.0021 U  | 0.153  | 0.0471 | 0.139  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Pa-231       | -0.537 U   | 0.934  | 0.333  | 0.936  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Pb-212       | 1.73       | 0.0474 | 0.115  | 2.69   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Pb-214       | 1.22       | 0.0385 | 0.0623 | 1.7    | 1.00 - 2.33             |
| 8N-00115        | 40226     | Pu-238       | 0.0005 U   | 0.0275 | 0.0067 | 0.0415 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Pu-239/240   | -0.0003 U  | 0.019  | 0.004  | 0.0404 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Pu-244       | -0.0022 UJ | 0.026  | 0.0058 | 0.0313 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Sb-125       | 0.0002 UJ  | 0.0584 | 0.0174 | 0.354  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Sn-126       | 0.0014 U   | 0.0195 | 0.0057 | 0.0237 | 1.00 - 2.33             |
| 8N-00115        | 40226     | Sr-90        | 0.0976 U   | 0.169  | 0.053  | 0.485  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Th-228       | 1.66 J     | 0.165  | 0.183  | 3.98   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Th-229       | -0.0209 UJ | 0.125  | 0.0256 | 0.145  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Th-230       | 0.957      | 0.0282 | 0.117  | 2.2    | 1.00 - 2.33             |
| 8N-00115        | 40226     | Th-232       | 1.12       | 0.0281 | 0.129  | 3.1    | 1.00 - 2.33             |
| 8N-00115        | 40226     | Th-234       | 1.64 J     | 0.381  | 0.19   | 3.19   | 1.00 - 2.33             |
| 8N-00115        | 40226     | Tl-208       | 0.529      | 0.0231 | 0.0311 | 0.937  | 1.00 - 2.33             |
| 8N-00115        | 40226     | Tm-171       | -7.12 U    | 26.4   | 8.93   | 72.4   | 1.00 - 2.33             |
| 8N-00115        | 40226     | U-233/234    | 0.836      | 0.0843 | 0.118  | 2.02   | 1.00 - 2.33             |
| 8N-00115        | 40226     | U-235/236    | 0.0264     | 0.0358 | 0.0188 | 0.151  | 1.00 - 2.33             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00115        | 40226     | U-238        | 1.04      | 0.0681 | 0.135  | 1.8    | 1.00 - 2.33             |
| 8N-00116        | 40227     | Ac-227       | -0.0233 U | 0.208  | 0.0624 | 0.217  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Am-241       | 0.0078    | 0.0172 | 0.0054 | 0.0454 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Bi-212       | 0.767 J   | 0.169  | 0.095  | 2.15   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Bi-214       | 0.87      | 0.0318 | 0.0428 | 1.59   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Cd-113m      | 15.8 U    | 141    | 43.5   | 3030   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Cm-243/244   | 0.0029 U  | 0.0142 | 0.0035 | 0.0443 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Co-60        | -0.0113 U | 0.0206 | 0.0069 | 0.028  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Cs-134       | -0.003 UJ | 0.019  | 0.0065 | 0.0864 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Cs-137       | 0.0562    | 0.0183 | 0.008  | 0.207  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Eu-152       | -0.0222 U | 0.0501 | 0.0198 | 0.0566 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Eu-154       | -0.0346 U | 0.108  | 0.0331 | 0.15   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Eu-155       | 0.0456 JS | 0.0794 | 0.0263 | 0.231  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Ho-166m      | -0.0016 U | 0.0283 | 0.0084 | 0.0432 | 0.00 - 0.50             |
| 8N-00116        | 40227     | K-40         | 20        | 0.148  | 1.24   | 32.4   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Na-22        | -0.0137 U | 0.0262 | 0.0087 | 0.037  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Nb-94        | -0.0035 U | 0.0158 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Np-236       | -0.0019 U | 0.0388 | 0.012  | 0.047  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Np-239       | -0.0687 U | 0.132  | 0.0429 | 0.139  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Pa-231       | -0.651 UJ | 0.848  | 0.312  | 0.936  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Pb-212       | 1.41      | 0.0428 | 0.0921 | 2.69   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Pb-214       | 0.927     | 0.0359 | 0.0463 | 1.7    | 0.00 - 0.50             |
| 8N-00116        | 40227     | Pu-238       | 0.0039    | 0.0053 | 0.0028 | 0.0415 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Pu-239/240   | 0.0002 U  | 0.0194 | 0.0044 | 0.0404 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Pu-244       | 0.0097    | 0.0052 | 0.0044 | 0.0313 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Sb-125       | 0.0006 U  | 0.0537 | 0.0164 | 0.354  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Sn-126       | 0.0034 U  | 0.019  | 0.0056 | 0.0237 | 0.00 - 0.50             |
| 8N-00116        | 40227     | Sr-90        | 0.0948 U  | 0.16   | 0.0505 | 0.485  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Th-228       | 1.41      | 0.092  | 0.139  | 3.98   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Th-229       | 0.131     | 0.0507 | 0.0325 | 0.145  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00116        | 40227     | Th-230       | 0.948      | 0.0186 | 0.098  | 2.2    | 0.00 - 0.50             |
| 8N-00116        | 40227     | Th-232       | 0.931      | 0.0186 | 0.0967 | 3.1    | 0.00 - 0.50             |
| 8N-00116        | 40227     | Th-234       | 1.76 J     | 0.317  | 0.188  | 3.19   | 0.00 - 0.50             |
| 8N-00116        | 40227     | Tl-208       | 0.454      | 0.0208 | 0.0281 | 0.937  | 0.00 - 0.50             |
| 8N-00116        | 40227     | Tm-171       | 2.79 U     | 20     | 6.72   | 72.4   | 0.00 - 0.50             |
| 8N-00116        | 40227     | U-233/234    | 1.24       | 0.0435 | 0.132  | 2.02   | 0.00 - 0.50             |
| 8N-00116        | 40227     | U-235/236    | 0.0843     | 0.0229 | 0.0274 | 0.151  | 0.00 - 0.50             |
| 8N-00116        | 40227     | U-238        | 1.3        | 0.0538 | 0.136  | 1.8    | 0.00 - 0.50             |
| 8N-00116        | 40228     | Ac-227       | -0.0689 U  | 0.211  | 0.065  | 0.217  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Am-241       | 0.0123     | 0.0124 | 0.0054 | 0.0454 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Bi-212       | 1.11       | 0.173  | 0.101  | 2.15   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Bi-214       | 0.994      | 0.0336 | 0.0495 | 1.59   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Cd-113m      | -23.9 U    | 141    | 42.3   | 3030   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Cm-243/244   | 0.01       | 0.0054 | 0.0045 | 0.0443 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Co-60        | 0.0082 U   | 0.022  | 0.0065 | 0.028  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Cs-134       | 0.0048 U   | 0.0188 | 0.0063 | 0.0864 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Cs-137       | -0.0139 UJ | 0.0189 | 0.0067 | 0.207  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Eu-152       | -0.02 U    | 0.0521 | 0.0178 | 0.0566 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Eu-154       | 0.0402 U   | 0.118  | 0.0393 | 0.15   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Eu-155       | 0.0552 JS  | 0.0812 | 0.0275 | 0.231  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Ho-166m      | -0.0226 UJ | 0.0286 | 0.0103 | 0.0432 | 1.00 - 5.00             |
| 8N-00116        | 40228     | K-40         | 20         | 0.169  | 1.21   | 32.4   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Na-22        | 0.0037 U   | 0.0289 | 0.0085 | 0.037  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Nb-94        | 0.0115 J   | 0.0179 | 0.0058 | 0.0214 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Np-236       | 0.008 U    | 0.0398 | 0.0122 | 0.047  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Np-239       | 0.0321 U   | 0.141  | 0.0417 | 0.139  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Pa-231       | -0.0101 U  | 0.868  | 0.258  | 0.936  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Pb-212       | 1.68       | 0.0433 | 0.113  | 2.69   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Pb-214       | 1.13       | 0.0364 | 0.0595 | 1.7    | 1.00 - 5.00             |
| 8N-00116        | 40228     | Pu-238       | 0.0025 UJ  | 0.0268 | 0.0063 | 0.0415 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00116        | 40228     | Pu-239/240   | 0.0118     | 0.008  | 0.0059 | 0.0404 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Pu-244       | -0.0042 UJ | 0.0232 | 0.0042 | 0.0313 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Sb-125       | -0.005 UJ  | 0.0554 | 0.0169 | 0.354  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Sn-126       | 0.0034 U   | 0.019  | 0.0056 | 0.0237 | 1.00 - 5.00             |
| 8N-00116        | 40228     | Sr-90        | 0.0652 U   | 0.169  | 0.0507 | 0.485  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Th-228       | 1.58 J     | 0.162  | 0.176  | 3.98   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Th-229       | 0.0103 UJ  | 0.123  | 0.0308 | 0.145  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Th-230       | 1.01       | 0.0277 | 0.121  | 2.2    | 1.00 - 5.00             |
| 8N-00116        | 40228     | Th-232       | 1.36       | 0.0276 | 0.146  | 3.1    | 1.00 - 5.00             |
| 8N-00116        | 40228     | Th-234       | 1.76 J     | 0.324  | 0.191  | 3.19   | 1.00 - 5.00             |
| 8N-00116        | 40228     | Tl-208       | 0.506      | 0.022  | 0.0307 | 0.937  | 1.00 - 5.00             |
| 8N-00116        | 40228     | Tm-171       | 8.62 U     | 19.8   | 6.81   | 72.4   | 1.00 - 5.00             |
| 8N-00116        | 40228     | U-233/234    | 1.09       | 0.0364 | 0.102  | 2.02   | 1.00 - 5.00             |
| 8N-00116        | 40228     | U-235/236    | 0.0809     | 0.0317 | 0.0216 | 0.151  | 1.00 - 5.00             |
| 8N-00116        | 40228     | U-238        | 1.12       | 0.0364 | 0.104  | 1.8    | 1.00 - 5.00             |
| 8N-00117        | 40229     | Ac-227       | -0.0346 U  | 0.188  | 0.0561 | 0.217  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Am-241       | -0.002 U   | 0.0344 | 0.008  | 0.0454 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Bi-212       | 1.04       | 0.157  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Bi-214       | 1.05       | 0.03   | 0.0492 | 1.59   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Cd-113m      | -4.23 U    | 127    | 37.3   | 3030   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Cm-243/244   | 0.0114 U   | 0.0352 | 0.0102 | 0.0443 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Co-60        | 0.0015 U   | 0.0193 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Cs-134       | 0.0041 UJ  | 0.0179 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Cs-137       | 0.0892     | 0.0166 | 0.009  | 0.207  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Eu-152       | 0.0054 U   | 0.0469 | 0.0159 | 0.0566 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Eu-154       | 0.0157 U   | 0.107  | 0.0311 | 0.15   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Eu-155       | 0.12 JS    | 0.0688 | 0.0301 | 0.231  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Ho-166m      | -0.0149 U  | 0.026  | 0.0087 | 0.0432 | 0.00 - 0.50             |
| 8N-00117        | 40229     | K-40         | 20.2       | 0.137  | 1.24   | 32.4   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Na-22        | -0.0118 U  | 0.0237 | 0.0078 | 0.037  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00117        | 40229     | Nb-94        | 0.0035 U   | 0.015  | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Np-236       | -0.0045 U  | 0.0348 | 0.0106 | 0.047  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Np-239       | 0.0038 U   | 0.122  | 0.0355 | 0.139  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Pa-231       | 0.466 J    | 0.793  | 0.255  | 0.936  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Pb-212       | 1.68       | 0.0375 | 0.101  | 2.69   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Pb-214       | 1.16       | 0.0325 | 0.0556 | 1.7    | 0.00 - 0.50             |
| 8N-00117        | 40229     | Pu-238       | 0.0006 U   | 0.0135 | 0.0026 | 0.0415 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Pu-239/240   | 0.0069     | 0.0135 | 0.0045 | 0.0404 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Pu-244       | -0.0009 U  | 0.0167 | 0.003  | 0.0313 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Sb-125       | 0.0194 U   | 0.0499 | 0.0155 | 0.354  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Sn-126       | 0.0048 U   | 0.0169 | 0.0051 | 0.0237 | 0.00 - 0.50             |
| 8N-00117        | 40229     | Sr-90        | 0.045 U    | 0.144  | 0.0423 | 0.485  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Th-228       | 1.82       | 0.0996 | 0.164  | 3.98   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Th-229       | 0.0067 U   | 0.0719 | 0.0177 | 0.145  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Th-230       | 1.19       | 0.018  | 0.112  | 2.2    | 0.00 - 0.50             |
| 8N-00117        | 40229     | Th-232       | 1.47       | 0.018  | 0.13   | 3.1    | 0.00 - 0.50             |
| 8N-00117        | 40229     | Th-234       | 1.37 J     | 0.282  | 0.15   | 3.19   | 0.00 - 0.50             |
| 8N-00117        | 40229     | Tl-208       | 0.505      | 0.0196 | 0.0289 | 0.937  | 0.00 - 0.50             |
| 8N-00117        | 40229     | Tm-171       | 0.265 U    | 17     | 5.54   | 72.4   | 0.00 - 0.50             |
| 8N-00117        | 40229     | U-233/234    | 0.9        | 0.0465 | 0.0899 | 2.02   | 0.00 - 0.50             |
| 8N-00117        | 40229     | U-235/236    | 0.0685     | 0.0143 | 0.0196 | 0.151  | 0.00 - 0.50             |
| 8N-00117        | 40229     | U-238        | 0.963      | 0.0386 | 0.0943 | 1.8    | 0.00 - 0.50             |
| 8N-00118        | 40231     | Ac-227       | -0.0342 U  | 0.189  | 0.057  | 0.217  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Am-241       | 0.0065     | 0.0059 | 0.0038 | 0.0454 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Bi-212       | 1.12       | 0.151  | 0.0888 | 2.15   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Bi-214       | 0.82       | 0.027  | 0.0403 | 1.59   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Cd-113m      | -13 U      | 126    | 37.9   | 3030   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Cm-243/244   | 0          | 0.006  | 0.0022 | 0.0443 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Co-60        | -0.0109 U  | 0.0179 | 0.006  | 0.028  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Cs-134       | -0.0061 UJ | 0.0162 | 0.0059 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00118        | 40231     | Cs-137       | 0.044      | 0.0164 | 0.0061 | 0.207  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Eu-152       | -0.0196 U  | 0.0454 | 0.0167 | 0.0566 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Eu-154       | -0.0797 UJ | 0.0936 | 0.0346 | 0.15   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Eu-155       | 0.0406 JS  | 0.0723 | 0.0238 | 0.231  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Ho-166m      | -0.0013 U  | 0.025  | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8N-00118        | 40231     | K-40         | 19.3       | 0.123  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Na-22        | 0.013 J    | 0.0233 | 0.0083 | 0.037  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Nb-94        | 0.0056 U   | 0.0145 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Np-236       | -0.0059 U  | 0.0357 | 0.0111 | 0.047  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Np-239       | -0.0118 U  | 0.123  | 0.0365 | 0.139  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Pa-231       | -0.218 U   | 0.752  | 0.233  | 0.936  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Pb-212       | 1.59       | 0.0387 | 0.097  | 2.69   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Pb-214       | 0.945      | 0.0326 | 0.046  | 1.7    | 0.00 - 0.50             |
| 8N-00118        | 40231     | Pu-238       | -0.0016 U  | 0.0143 | 0.0028 | 0.0415 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Pu-239/240   | -0.0064 U  | 0.0224 | 0.0039 | 0.0404 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Pu-244       | 0          | 0.0061 | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Sb-125       | 0.0135 U   | 0.049  | 0.0144 | 0.354  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Sn-126       | 0.0031 U   | 0.0161 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00118        | 40231     | Sr-90        | 0.0234 U   | 0.136  | 0.038  | 0.485  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Th-228       | 0.989      | 0.138  | 0.14   | 3.98   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Th-229       | 0.0239 UJ  | 0.0878 | 0.0239 | 0.145  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Th-230       | 0.583      | 0.0323 | 0.0917 | 2.2    | 0.00 - 0.50             |
| 8N-00118        | 40231     | Th-232       | 0.783      | 0.11   | 0.112  | 3.1    | 0.00 - 0.50             |
| 8N-00118        | 40231     | Th-234       | 1.55 J     | 0.29   | 0.169  | 3.19   | 0.00 - 0.50             |
| 8N-00118        | 40231     | Tl-208       | 0.48       | 0.0193 | 0.0274 | 0.937  | 0.00 - 0.50             |
| 8N-00118        | 40231     | Tm-171       | 2.49 U     | 17.7   | 5.9    | 72.4   | 0.00 - 0.50             |
| 8N-00118        | 40231     | U-233/234    | 0.594      | 0.0708 | 0.0782 | 2.02   | 0.00 - 0.50             |
| 8N-00118        | 40231     | U-235/236    | 0.0563     | 0.0218 | 0.0217 | 0.151  | 0.00 - 0.50             |
| 8N-00118        | 40231     | U-238        | 0.767      | 0.0176 | 0.0912 | 1.8    | 0.00 - 0.50             |
| 8N-00119        | 40233     | Ac-227       | -0.0168 U  | 0.256  | 0.0758 | 0.217  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00119        | 40233     | Am-241       | 0.0145     | 0.0225 | 0.0077 | 0.0454 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Bi-212       | 1.04       | 0.18   | 0.103  | 2.15   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Bi-214       | 0.869      | 0.0359 | 0.0441 | 1.59   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Cd-113m      | -97.8 U    | 174    | 65.5   | 3030   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Cm-243/244   | 0.0098     | 0.023  | 0.007  | 0.0443 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Co-60        | -0.0084 U  | 0.0207 | 0.0065 | 0.028  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Cs-134       | 0.0996 Z   | 0.028  | 0.0249 | 0.0864 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Cs-137       | 0.0191 J   | 0.0221 | 0.0078 | 0.207  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Eu-152       | 0.0457 J   | 0.0607 | 0.0358 | 0.0566 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Eu-154       | 0.0003 U   | 0.118  | 0.0352 | 0.15   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Eu-155       | -0.0184 U  | 0.104  | 0.0319 | 0.231  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Ho-166m      | 0.0076 U   | 0.0306 | 0.0092 | 0.0432 | 0.00 - 0.50             |
| 8N-00119        | 40233     | K-40         | 20.1       | 0.147  | 1.31   | 32.4   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Na-22        | -0.0279 UJ | 0.026  | 0.0104 | 0.037  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Nb-94        | 0.0019 U   | 0.0177 | 0.0053 | 0.0214 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Np-236       | 0.0223 U   | 0.0525 | 0.0168 | 0.047  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Np-239       | -0.082 U   | 0.17   | 0.0605 | 0.139  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Pa-231       | -1.38 UJ   | 1.03   | 0.464  | 0.936  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Pb-212       | 2.16       | 0.0511 | 0.158  | 2.69   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Pb-214       | 0.977      | 0.042  | 0.056  | 1.7    | 0.00 - 0.50             |
| 8N-00119        | 40233     | Pu-238       | 0.0028 U   | 0.014  | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Pu-239/240   | 0.0006 U   | 0.014  | 0.0027 | 0.0404 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Pu-244       | 0          | 0.0059 | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Sb-125       | 0.0146 U   | 0.062  | 0.0185 | 0.354  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Sn-126       | -0.0076 U  | 0.0196 | 0.0062 | 0.0237 | 0.00 - 0.50             |
| 8N-00119        | 40233     | Sr-90        | 0.0679 U   | 0.151  | 0.046  | 0.485  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Th-228       | 2.02       | 0.153  | 0.183  | 3.98   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Th-229       | 0.0148 U   | 0.0686 | 0.0181 | 0.145  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Th-230       | 1.22       | 0.0684 | 0.118  | 2.2    | 0.00 - 0.50             |
| 8N-00119        | 40233     | Th-232       | 1.45       | 0.0199 | 0.132  | 3.1    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00119        | 40233     | Th-234       | 0.979 J    | 0.493  | 0.296  | 3.19   | 0.00 - 0.50             |
| 8N-00119        | 40233     | Tl-208       | 0.521      | 0.0231 | 0.0321 | 0.937  | 0.00 - 0.50             |
| 8N-00119        | 40233     | Tm-171       | 24.4 J     | 30.7   | 12.2   | 72.4   | 0.00 - 0.50             |
| 8N-00119        | 40233     | U-233/234    | 1.06       | 0.0415 | 0.0987 | 2.02   | 0.00 - 0.50             |
| 8N-00119        | 40233     | U-235/236    | 0.0826     | 0.0371 | 0.0218 | 0.151  | 0.00 - 0.50             |
| 8N-00119        | 40233     | U-238        | 0.981      | 0.0344 | 0.0927 | 1.8    | 0.00 - 0.50             |
| 8N-00120        | 40235     | Ac-227       | 0.0501 U   | 0.171  | 0.0526 | 0.217  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Am-241       | -0.0043 U  | 0.0227 | 0.004  | 0.0454 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Bi-212       | 1.02       | 0.143  | 0.0882 | 2.15   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Bi-214       | 0.825      | 0.0266 | 0.0392 | 1.59   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Cd-113m      | -45.3 U    | 111    | 40.6   | 3030   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Cm-243/244   | 0.0192     | 0.0148 | 0.0072 | 0.0443 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Co-60        | 0.0107 J   | 0.0176 | 0.0056 | 0.028  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Cs-134       | 0.0008 U   | 0.016  | 0.0055 | 0.0864 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Cs-137       | 0.0409     | 0.0147 | 0.0054 | 0.207  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Eu-152       | 0.0032 UJ  | 0.0415 | 0.0157 | 0.0566 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Eu-154       | -0.0885 UJ | 0.0823 | 0.0332 | 0.15   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Eu-155       | 0.0764 JS  | 0.0622 | 0.0243 | 0.231  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Ho-166m      | 0.0104 U   | 0.0227 | 0.0071 | 0.0432 | 0.00 - 0.50             |
| 8N-00120        | 40235     | K-40         | 20         | 0.105  | 1.19   | 32.4   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Na-22        | -0.012 U   | 0.0208 | 0.007  | 0.037  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Nb-94        | 0.0068 J   | 0.0131 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Np-236       | -0.0108 U  | 0.0312 | 0.0099 | 0.047  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Np-239       | -0.0178 U  | 0.112  | 0.0342 | 0.139  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Pa-231       | -0.265 U   | 0.685  | 0.221  | 0.936  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Pb-212       | 1.55       | 0.0359 | 0.0952 | 2.69   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Pb-214       | 0.91       | 0.0288 | 0.0455 | 1.7    | 0.00 - 0.50             |
| 8N-00120        | 40235     | Pu-238       | -0.0009 U  | 0.0164 | 0.003  | 0.0415 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Pu-239/240   | 0.0038 U   | 0.0187 | 0.0049 | 0.0404 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Pu-244       | 0.0062     | 0.0056 | 0.0036 | 0.0313 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00120        | 40235     | Sb-125       | -0.0101 U | 0.0434 | 0.013  | 0.354  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Sn-126       | -0.0044 U | 0.0143 | 0.0045 | 0.0237 | 0.00 - 0.50             |
| 8N-00120        | 40235     | Sr-90        | 0.0578 U  | 0.199  | 0.0588 | 0.485  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Th-228       | 1.42      | 0.0815 | 0.14   | 3.98   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Th-229       | 0.007 U   | 0.0919 | 0.0233 | 0.145  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Th-230       | 0.867     | 0.065  | 0.0938 | 2.2    | 0.00 - 0.50             |
| 8N-00120        | 40235     | Th-232       | 1.19      | 0.0189 | 0.114  | 3.1    | 0.00 - 0.50             |
| 8N-00120        | 40235     | Th-234       | 1.14      | 0.238  | 0.112  | 3.19   | 0.00 - 0.50             |
| 8N-00120        | 40235     | Tl-208       | 0.485     | 0.0181 | 0.0276 | 0.937  | 0.00 - 0.50             |
| 8N-00120        | 40235     | Tm-171       | -3.35 U   | 12.1   | 4.33   | 72.4   | 0.00 - 0.50             |
| 8N-00120        | 40235     | U-233/234    | 0.756     | 0.0362 | 0.0863 | 2.02   | 0.00 - 0.50             |
| 8N-00120        | 40235     | U-235/236    | 0.0422    | 0.019  | 0.0175 | 0.151  | 0.00 - 0.50             |
| 8N-00120        | 40235     | U-238        | 0.82      | 0.0362 | 0.0915 | 1.8    | 0.00 - 0.50             |
| 8N-00120        | 40236     | Ac-227       | 0.0084 U  | 0.225  | 0.0661 | 0.217  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Am-241       | 0.0024 U  | 0.0121 | 0.003  | 0.0454 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Bi-212       | 1.07 J    | 0.213  | 0.124  | 2.15   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Bi-214       | 0.815     | 0.04   | 0.0441 | 1.59   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Cd-113m      | -11.3 U   | 154    | 45.6   | 3030   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Cm-243/244   | 0.0194    | 0.0053 | 0.0062 | 0.0443 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Co-60        | -0.0013 U | 0.0256 | 0.0074 | 0.028  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Cs-134       | -0.0053 U | 0.0229 | 0.0079 | 0.0864 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Cs-137       | 0.0064 U  | 0.0241 | 0.0071 | 0.207  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Eu-152       | -0.026 U  | 0.0574 | 0.021  | 0.0566 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Eu-154       | -0.0871 U | 0.127  | 0.0452 | 0.15   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Eu-155       | 0.0808 JS | 0.0819 | 0.031  | 0.231  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Ho-166m      | -0.0107 U | 0.034  | 0.0105 | 0.0432 | 1.00 - 5.00             |
| 8N-00120        | 40236     | K-40         | 18.1      | 0.191  | 1.04   | 32.4   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Na-22        | -0.0158 U | 0.032  | 0.0104 | 0.037  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Nb-94        | 0.0057 U  | 0.02   | 0.0059 | 0.0214 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Np-236       | 0.0022 U  | 0.04   | 0.0122 | 0.047  | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00120        | 40236     | Np-239       | 0.0065 U   | 0.149  | 0.0436 | 0.139  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Pa-231       | -0.519 U   | 0.904  | 0.309  | 0.936  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Pb-212       | 1.65       | 0.046  | 0.0974 | 2.69   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Pb-214       | 0.892      | 0.0413 | 0.0443 | 1.7    | 1.00 - 5.00             |
| 8N-00120        | 40236     | Pu-238       | 0.0031 U   | 0.0158 | 0.004  | 0.0415 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Pu-239/240   | 0.0713     | 0.018  | 0.013  | 0.0404 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Pu-244       | 0.0006 UJ  | 0.0127 | 0.0025 | 0.0313 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Sb-125       | -0.0185 UJ | 0.0624 | 0.0196 | 0.354  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Sn-126       | -0.0088 U  | 0.0222 | 0.007  | 0.0237 | 1.00 - 5.00             |
| 8N-00120        | 40236     | Sr-90        | 0.0937     | 0.14   | 0.0458 | 0.485  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Th-228       | 1.45 J     | 0.285  | 0.194  | 3.98   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Th-229       | 0.0366 UJ  | 0.132  | 0.0367 | 0.145  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Th-230       | 0.877      | 0.146  | 0.125  | 2.2    | 1.00 - 5.00             |
| 8N-00120        | 40236     | Th-232       | 0.984      | 0.0894 | 0.13   | 3.1    | 1.00 - 5.00             |
| 8N-00120        | 40236     | Th-234       | 1.24 J     | 0.312  | 0.148  | 3.19   | 1.00 - 5.00             |
| 8N-00120        | 40236     | Tl-208       | 0.547      | 0.0255 | 0.0348 | 0.937  | 1.00 - 5.00             |
| 8N-00120        | 40236     | Tm-171       | -4.73 U    | 15.9   | 5.5    | 72.4   | 1.00 - 5.00             |
| 8N-00120        | 40236     | U-233/234    | 0.733      | 0.0689 | 0.0867 | 2.02   | 1.00 - 5.00             |
| 8N-00120        | 40236     | U-235/236    | 0.0499     | 0.066  | 0.024  | 0.151  | 1.00 - 5.00             |
| 8N-00120        | 40236     | U-238        | 0.703      | 0.0592 | 0.0838 | 1.8    | 1.00 - 5.00             |
| 8N-00121        | 40237     | Ac-227       | -0.0578 U  | 0.167  | 0.0536 | 0.217  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Am-241       | 0.0066     | 0.0059 | 0.0038 | 0.0454 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Bi-212       | 0.798 J    | 0.148  | 0.0823 | 2.15   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Bi-214       | 1.02       | 0.0272 | 0.0469 | 1.59   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Cd-113m      | -37.7 U    | 113    | 37.9   | 3030   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Cm-243/244   | 0.009      | 0.0061 | 0.0045 | 0.0443 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Co-60        | -0.0015 U  | 0.0173 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Cs-134       | -0.0012 U  | 0.0162 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Cs-137       | 0.1        | 0.0147 | 0.0085 | 0.207  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Eu-152       | 0.007 U    | 0.0422 | 0.0126 | 0.0566 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity    | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-------------|--------|--------|--------|-------------------------|
| 8N-00121        | 40237     | Eu-154       | 0.0632 J    | 0.0944 | 0.0337 | 0.15   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Eu-155       | 0.133 JS    | 0.0623 | 0.0313 | 0.231  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Ho-166m      | 0.009 U     | 0.023  | 0.0071 | 0.0432 | 0.00 - 0.50             |
| 8N-00121        | 40237     | K-40         | 21.2        | 0.117  | 1.2    | 32.4   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Na-22        | -0.0065 U   | 0.0216 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Nb-94        | 0.0009 U    | 0.0139 | 0.0042 | 0.0214 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Ni-59        | -1.86 U     | 4.49   | 1.42   | 5.96   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Ni-63        | 0.261 U     | 1.39   | 0.415  | 4.92   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Np-236       | -0.0223 UJS | 0.0311 | 0.0107 | 0.047  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Np-239       | 0.0284 U    | 0.112  | 0.0346 | 0.139  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Pa-231       | 0.0038 U    | 0.684  | 0.211  | 0.936  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Pb-212       | 1.54        | 0.0359 | 0.0919 | 2.69   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Pb-214       | 1.16        | 0.0288 | 0.0545 | 1.7    | 0.00 - 0.50             |
| 8N-00121        | 40237     | Pm-147       | -0.0542 U   | 9.14   | 2.67   | 17.5   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Pu-238       | -0.0016 U   | 0.0138 | 0.0027 | 0.0415 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Pu-239/240   | 0.0092      | 0.0137 | 0.0051 | 0.0404 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Pu-244       | 0.0065      | 0.0059 | 0.0038 | 0.0313 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Sb-125       | 0.0163 U    | 0.0456 | 0.0137 | 0.354  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Sn-126       | -0.001 U    | 0.0143 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00121        | 40237     | Sr-90        | 0.0886 U    | 0.183  | 0.0564 | 0.485  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Tc-99        | -0.517 U    | 1.14   | 0.332  | 1.63   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Th-228       | 1.51 J      | 0.0937 | 0.164  | 3.98   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Th-229       | 0.0753      | 0.0255 | 0.027  | 0.145  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Th-230       | 1.16        | 0.0254 | 0.127  | 2.2    | 0.00 - 0.50             |
| 8N-00121        | 40237     | Th-232       | 1.19        | 0.0254 | 0.128  | 3.1    | 0.00 - 0.50             |
| 8N-00121        | 40237     | Th-234       | 1.6         | 0.241  | 0.154  | 3.19   | 0.00 - 0.50             |
| 8N-00121        | 40237     | Tl-208       | 0.489       | 0.0178 | 0.0281 | 0.937  | 0.00 - 0.50             |
| 8N-00121        | 40237     | Tm-171       | -9.82 U     | 14.1   | 5.49   | 72.4   | 0.00 - 0.50             |
| 8N-00121        | 40237     | U-233/234    | 0.979       | 0.0443 | 0.104  | 2.02   | 0.00 - 0.50             |
| 8N-00121        | 40237     | U-235/236    | 0.0197 U    | 0.0629 | 0.0178 | 0.151  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00121        | 40237     | U-238        | 1.1      | 0.0152 | 0.113  | 1.8    | 0.00 - 0.50             |
| 8N-00121        | 40238     | Ac-227       | 0.0341   | 0.214  | 0.0635 | 0.217  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Am-241       | -0.0022  | 0.0173 | 0.0031 | 0.0454 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Bi-212       | 1.05     | 0.183  | 0.0955 | 2.15   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Bi-214       | 1.03     | 0.0337 | 0.0506 | 1.59   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Cd-113m      | 30.9     | 142    | 43.7   | 3030   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Cm-243/244   | 0.0016   | 0.0176 | 0.0042 | 0.0443 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Co-60        | -0.0038  | 0.0218 | 0.0065 | 0.028  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Cs-134       | -0.0021  | 0.0193 | 0.0066 | 0.0864 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Cs-137       | 0.0142   | 0.0212 | 0.0076 | 0.207  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Eu-152       | -0.0227  | 0.0529 | 0.017  | 0.0566 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Eu-154       | -0.0409  | 0.117  | 0.0358 | 0.15   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Eu-155       | 0.0857   | 0.083  | 0.0319 | 0.231  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Ho-166m      | -0.0156  | 0.0285 | 0.0095 | 0.0432 | 1.00 - 2.25             |
| 8N-00121        | 40238     | K-40         | 21.6     | 0.157  | 1.31   | 32.4   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Na-22        | -0.0175  | 0.0258 | 0.0103 | 0.037  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Nb-94        | -0.0009  | 0.0176 | 0.0052 | 0.0214 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Ni-59        | -5.1     | 3.6    | 1.72   | 5.96   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Ni-63        | -0.128   | 1.37   | 0.407  | 4.92   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Np-236       | -0.0022  | 0.0397 | 0.0121 | 0.047  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Np-239       | -0.0378  | 0.137  | 0.0415 | 0.139  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Pa-231       | -0.316   | 0.854  | 0.268  | 0.936  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Pb-212       | 1.67     | 0.0407 | 0.112  | 2.69   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Pb-214       | 1.12     | 0.0359 | 0.0591 | 1.7    | 1.00 - 2.25             |
| 8N-00121        | 40238     | Pm-147       | 3.01     | 7.27   | 2.21   | 17.5   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Pu-238       | 0.0037   | 0.0289 | 0.0073 | 0.0415 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Pu-239/240   | 0.0049   | 0.0239 | 0.0062 | 0.0404 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Pu-244       | 0.0053   | 0.0071 | 0.0037 | 0.0313 | 1.00 - 2.25             |
| 8N-00121        | 40238     | Sb-125       | -0.0133  | 0.0545 | 0.017  | 0.354  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Sn-126       | -0.0088  | 0.0185 | 0.006  | 0.0237 | 1.00 - 2.25             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00121        | 40238     | Sr-90        | 0.204    | 0.218  | 0.0744 | 0.485  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Tc-99        | -0.464   | 1.53   | 0.437  | 1.63   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Th-228       | 1.3      | 0.0976 | 0.136  | 3.98   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Th-229       | 0        | 0.0804 | 0.0183 | 0.145  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Th-230       | 0.812    | 0.0202 | 0.0918 | 2.2    | 1.00 - 2.25             |
| 8N-00121        | 40238     | Th-232       | 1.04     | 0.0201 | 0.108  | 3.1    | 1.00 - 2.25             |
| 8N-00121        | 40238     | Th-234       | 1.4      | 0.391  | 0.352  | 3.19   | 1.00 - 2.25             |
| 8N-00121        | 40238     | Tl-208       | 0.535    | 0.0218 | 0.0316 | 0.937  | 1.00 - 2.25             |
| 8N-00121        | 40238     | Tm-171       | 2.31     | 19.5   | 5.8    | 72.4   | 1.00 - 2.25             |
| 8N-00121        | 40238     | U-233/234    | 0.818    | 0.0518 | 0.089  | 2.02   | 1.00 - 2.25             |
| 8N-00121        | 40238     | U-235/236    | 0.0529   | 0.0407 | 0.0201 | 0.151  | 1.00 - 2.25             |
| 8N-00121        | 40238     | U-238        | 0.888    | 0.014  | 0.0938 | 1.8    | 1.00 - 2.25             |
| 8N-00121        | 40264     | Ac-227       | 0.0156   | 0.187  | 0.0551 | 0.217  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Am-241       | 0.0006   | 0.013  | 0.0025 | 0.0454 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Bi-212       | 1.04     | 0.157  | 0.0992 | 2.15   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Bi-214       | 0.991    | 0.0297 | 0.0473 | 1.59   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Cd-113m      | -22.3    | 122    | 37.8   | 3030   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Cm-243/244   | 0.0042   | 0.0056 | 0.003  | 0.0443 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Co-60        | 0.0021   | 0.0191 | 0.0056 | 0.028  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Cs-134       | 0.0031   | 0.0174 | 0.0058 | 0.0864 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Cs-137       | 0.0115   | 0.0181 | 0.0061 | 0.207  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Eu-152       | -0.0296  | 0.0455 | 0.0161 | 0.0566 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Eu-154       | -0.0198  | 0.1    | 0.0296 | 0.15   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Eu-155       | 0.0452   | 0.068  | 0.0229 | 0.231  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Ho-166m      | -0.0065  | 0.0263 | 0.008  | 0.0432 | 1.00 - 2.25             |
| 8N-00121        | 40264     | K-40         | 20.8     | 0.127  | 1.13   | 32.4   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Na-22        | 0.0143   | 0.025  | 0.0083 | 0.037  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Nb-94        | -0.0006  | 0.0155 | 0.0046 | 0.0214 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Ni-59        | 0.575    | 5.31   | 1.47   | 5.96   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Ni-63        | 0.0622   | 1.54   | 0.459  | 4.92   | 1.00 - 2.25             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00121        | 40264     | Np-236       | -0.0203   | 0.0335 | 0.0114 | 0.047  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Np-239       | -0.0012   | 0.118  | 0.0346 | 0.139  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Pa-231       | -0.437    | 0.714  | 0.246  | 0.936  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Pb-212       | 1.63      | 0.0362 | 0.0942 | 2.69   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Pb-214       | 1.09      | 0.0325 | 0.0512 | 1.7    | 1.00 - 2.25             |
| 8N-00121        | 40264     | Pm-147       | -0.384    | 6.65   | 1.93   | 17.5   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Pu-238       | 0.0006    | 0.0137 | 0.0027 | 0.0415 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Pu-239/240   | 0.0161    | 0.0168 | 0.0068 | 0.0404 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Pu-244       | 0.0097    | 0.0168 | 0.0057 | 0.0313 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Sb-125       | 0.0156    | 0.0486 | 0.0149 | 0.354  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Sn-126       | -0.0035   | 0.0165 | 0.005  | 0.0237 | 1.00 - 2.25             |
| 8N-00121        | 40264     | Sr-90        | 0.0497    | 0.205  | 0.0596 | 0.485  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Tc-99        | -0.342    | 1.62   | 0.467  | 1.63   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Th-228       | 1.58      | 0.0915 | 0.15   | 3.98   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Th-229       | 0.0417    | 0.0512 | 0.0198 | 0.145  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Th-230       | 1.05      | 0.0747 | 0.107  | 2.2    | 1.00 - 2.25             |
| 8N-00121        | 40264     | Th-232       | 1.28      | 0.0187 | 0.12   | 3.1    | 1.00 - 2.25             |
| 8N-00121        | 40264     | Th-234       | 1.59      | 0.27   | 0.147  | 3.19   | 1.00 - 2.25             |
| 8N-00121        | 40264     | Tl-208       | 0.52      | 0.0195 | 0.03   | 0.937  | 1.00 - 2.25             |
| 8N-00121        | 40264     | Tm-171       | 2.01      | 12.8   | 4.25   | 72.4   | 1.00 - 2.25             |
| 8N-00121        | 40264     | U-233/234    | 1.11      | 0.0159 | 0.115  | 2.02   | 1.00 - 2.25             |
| 8N-00121        | 40264     | U-235/236    | 0.058     | 0.0197 | 0.021  | 0.151  | 1.00 - 2.25             |
| 8N-00121        | 40264     | U-238        | 1.03      | 0.0374 | 0.11   | 1.8    | 1.00 - 2.25             |
| 8N-00122        | 40239     | Ac-227       | -0.0212 U | 0.164  | 0.049  | 0.217  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Am-241       | -0.0001 U | 0.0323 | 0.0077 | 0.0454 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Bi-212       | 1.1       | 0.135  | 0.0882 | 2.15   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Bi-214       | 0.943     | 0.0228 | 0.0433 | 1.59   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Cd-113m      | 5.27 U    | 111    | 33.9   | 3030   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Cm-243/244   | -0.0035 U | 0.0312 | 0.0066 | 0.0443 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Co-60        | -0.0015 U | 0.0155 | 0.0046 | 0.028  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00122        | 40239     | Cs-134       | -0.0049 U | 0.0142 | 0.005  | 0.0864 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Cs-137       | 0.108     | 0.0142 | 0.0094 | 0.207  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Eu-152       | -0.0036 U | 0.0404 | 0.0139 | 0.0566 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Eu-154       | -0.0112 U | 0.0814 | 0.0289 | 0.15   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Eu-155       | 0.0845 JS | 0.0653 | 0.0281 | 0.231  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Ho-166m      | -0.0135 U | 0.0205 | 0.007  | 0.0432 | 0.00 - 0.50             |
| 8N-00122        | 40239     | K-40         | 22.7      | 0.106  | 1.31   | 32.4   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Na-22        | -0.0086 U | 0.0197 | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Nb-94        | 0.0095 J  | 0.0127 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Ni-59        | -1.23 U   | 3.4    | 1.02   | 5.96   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Ni-63        | -0.0702 U | 1.13   | 0.339  | 4.92   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Np-236       | 0.0031 U  | 0.031  | 0.0095 | 0.047  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Np-239       | -0.0485 U | 0.108  | 0.0342 | 0.139  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Pa-231       | -0.112 U  | 0.672  | 0.203  | 0.936  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Pb-212       | 1.74      | 0.0354 | 0.115  | 2.69   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Pb-214       | 1.02      | 0.0275 | 0.0496 | 1.7    | 0.00 - 0.50             |
| 8N-00122        | 40239     | Pm-147       | 1.27 U    | 9.24   | 2.74   | 17.5   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Pu-238       | -0.0015 U | 0.013  | 0.0025 | 0.0415 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Pu-239/240   | 0.0067    | 0.0129 | 0.0043 | 0.0404 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Pu-244       | 0.0081    | 0.0055 | 0.0041 | 0.0313 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Sb-125       | 0.0069 U  | 0.0434 | 0.0132 | 0.354  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Sn-126       | 0.0004 U  | 0.0137 | 0.004  | 0.0237 | 0.00 - 0.50             |
| 8N-00122        | 40239     | Sr-90        | 0.855     | 0.133  | 0.112  | 0.485  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Tc-99        | 0.242 U   | 1.71   | 0.505  | 1.63   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Th-228       | 1.55      | 0.0861 | 0.134  | 3.98   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Th-229       | 0.047     | 0.0562 | 0.0204 | 0.145  | 0.00 - 0.50             |
| 8N-00122        | 40239     | Th-230       | 0.875     | 0.0561 | 0.0841 | 2.2    | 0.00 - 0.50             |
| 8N-00122        | 40239     | Th-232       | 1.19      | 0.0483 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8N-00122        | 40239     | Th-234       | 1.42 J    | 0.253  | 0.154  | 3.19   | 0.00 - 0.50             |
| 8N-00122        | 40239     | Tl-208       | 0.536     | 0.017  | 0.0294 | 0.937  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00122        | 40239     | Tm-171       | -10.5 U  | 16.4   | 6.15   | 72.4   | 0.00 - 0.50             |
| 8N-00122        | 40239     | U-233/234    | 0.759    | 0.0146 | 0.085  | 2.02   | 0.00 - 0.50             |
| 8N-00122        | 40239     | U-235/236    | 0.0401   | 0.0181 | 0.0166 | 0.151  | 0.00 - 0.50             |
| 8N-00122        | 40239     | U-238        | 0.783    | 0.0146 | 0.0869 | 1.8    | 0.00 - 0.50             |
| 8N-00122        | 40240     | Ac-227       | -0.0625  | 0.196  | 0.0609 | 0.217  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Am-241       | 0.0026   | 0.0129 | 0.0032 | 0.0454 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Bi-212       | 0.936    | 0.16   | 0.0923 | 2.15   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Bi-214       | 0.752    | 0.0304 | 0.0378 | 1.59   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Cd-113m      | -27.6    | 132    | 40.3   | 3030   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Cm-243/244   | 0.0029   | 0.0226 | 0.0057 | 0.0443 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Co-60        | 0.001    | 0.0186 | 0.0055 | 0.028  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Cs-134       | 0.0069   | 0.0179 | 0.0061 | 0.0864 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Cs-137       | 0.029    | 0.017  | 0.0076 | 0.207  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Eu-152       | -0.0314  | 0.0468 | 0.0175 | 0.0566 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Eu-154       | -0.0451  | 0.102  | 0.0322 | 0.15   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Eu-155       | 0.0754   | 0.076  | 0.029  | 0.231  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Ho-166m      | -0.0014  | 0.0263 | 0.0078 | 0.0432 | 1.00 - 3.00             |
| 8N-00122        | 40240     | K-40         | 20       | 0.129  | 1.23   | 32.4   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Na-22        | -0.0048  | 0.0245 | 0.0074 | 0.037  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Nb-94        | 0.0014   | 0.015  | 0.0044 | 0.0214 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Ni-59        | -7.09    | 3.75   | 2.15   | 5.96   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Ni-63        | 0.0602   | 1.31   | 0.389  | 4.92   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Np-236       | 0.0005   | 0.0374 | 0.0115 | 0.047  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Np-239       | 0.0114   | 0.129  | 0.0382 | 0.139  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Pa-231       | 0.0608   | 0.817  | 0.244  | 0.936  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Pb-212       | 1.53     | 0.0387 | 0.0992 | 2.69   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Pb-214       | 0.857    | 0.0335 | 0.0428 | 1.7    | 1.00 - 3.00             |
| 8N-00122        | 40240     | Pm-147       | -0.231   | 7.51   | 2.18   | 17.5   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Pu-238       | -0.0049  | 0.0205 | 0.0036 | 0.0415 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Pu-239/240   | 0.0087   | 0.0204 | 0.0062 | 0.0404 | 1.00 - 3.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00122        | 40240     | Pu-244       | 0.0158     | 0.0061 | 0.006  | 0.0313 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Sb-125       | 0.0082     | 0.0498 | 0.0152 | 0.354  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Sn-126       | -0.0078    | 0.016  | 0.0052 | 0.0237 | 1.00 - 3.00             |
| 8N-00122        | 40240     | Sr-90        | 0.19       | 0.198  | 0.0682 | 0.485  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Tc-99        | 0.317      | 1.65   | 0.489  | 1.63   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Th-228       | 1.14       | 0.131  | 0.136  | 3.98   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Th-229       | 0.045      | 0.097  | 0.03   | 0.145  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Th-230       | 0.755      | 0.0968 | 0.0975 | 2.2    | 1.00 - 3.00             |
| 8N-00122        | 40240     | Th-232       | 0.994      | 0.0243 | 0.113  | 3.1    | 1.00 - 3.00             |
| 8N-00122        | 40240     | Th-234       | 1.52       | 0.369  | 0.399  | 3.19   | 1.00 - 3.00             |
| 8N-00122        | 40240     | Tl-208       | 0.457      | 0.0203 | 0.027  | 0.937  | 1.00 - 3.00             |
| 8N-00122        | 40240     | Tm-171       | -4.58      | 19.1   | 5.88   | 72.4   | 1.00 - 3.00             |
| 8N-00122        | 40240     | U-233/234    | 0.743      | 0.0154 | 0.0851 | 2.02   | 1.00 - 3.00             |
| 8N-00122        | 40240     | U-235/236    | 0.0422     | 0.019  | 0.0175 | 0.151  | 1.00 - 3.00             |
| 8N-00122        | 40240     | U-238        | 0.889      | 0.0362 | 0.097  | 1.8    | 1.00 - 3.00             |
| 8N-00124        | 40243     | Ac-227       | -0.132 U   | 0.193  | 0.0672 | 0.217  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Am-241       | 0.0105     | 0.0182 | 0.0061 | 0.0454 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Bi-212       | 1.05 J     | 0.157  | 0.106  | 2.15   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Bi-214       | 1.06       | 0.0282 | 0.0502 | 1.59   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Cd-113m      | -24.3 U    | 129    | 43     | 3030   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Cm-243/244   | 0.0071     | 0.0064 | 0.0041 | 0.0443 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Co-60        | 0.0028 U   | 0.019  | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Cs-134       | -0.0031 UJ | 0.0178 | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Cs-137       | 0.101      | 0.018  | 0.0095 | 0.207  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Eu-152       | -0.0222 U  | 0.0483 | 0.0181 | 0.0566 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Eu-154       | -0.0134 U  | 0.0987 | 0.029  | 0.15   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Eu-155       | 0.0677 JS  | 0.0768 | 0.0279 | 0.231  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Ho-166m      | -0.0092 U  | 0.0258 | 0.0081 | 0.0432 | 0.00 - 0.50             |
| 8N-00124        | 40243     | K-40         | 20.7       | 0.132  | 1.16   | 32.4   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Na-22        | -0.0038 U  | 0.0232 | 0.0081 | 0.037  | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00124        | 40243     | Nb-94        | 0.0065 U  | 0.0155 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Np-236       | -0.0213 U | 0.0366 | 0.012  | 0.047  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Np-239       | 0.0109 U  | 0.129  | 0.0387 | 0.139  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Pa-231       | -0.327 U  | 0.782  | 0.261  | 0.936  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Pb-212       | 1.77      | 0.041  | 0.104  | 2.69   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Pb-214       | 1.17      | 0.0342 | 0.0551 | 1.7    | 0.00 - 0.50             |
| 8N-00124        | 40243     | Pu-238       | 0.002     | 0.0054 | 0.002  | 0.0415 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Pu-239/240   | 0.0099    | 0.0054 | 0.0045 | 0.0404 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Pu-244       | 0.0079    | 0.0054 | 0.004  | 0.0313 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Sb-125       | -0.0312 U | 0.0497 | 0.0166 | 0.354  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Sn-126       | -0.0077 U | 0.016  | 0.0052 | 0.0237 | 0.00 - 0.50             |
| 8N-00124        | 40243     | Sr-90        | 0.0116 U  | 0.207  | 0.0584 | 0.485  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Th-228       | 1.52 J    | 0.119  | 0.156  | 3.98   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Th-229       | 0.0559    | 0.0216 | 0.0214 | 0.145  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Th-230       | 1.03      | 0.0857 | 0.111  | 2.2    | 0.00 - 0.50             |
| 8N-00124        | 40243     | Th-232       | 1.25      | 0.0585 | 0.125  | 3.1    | 0.00 - 0.50             |
| 8N-00124        | 40243     | Th-234       | 1.59      | 0.282  | 0.153  | 3.19   | 0.00 - 0.50             |
| 8N-00124        | 40243     | Tl-208       | 0.552     | 0.0205 | 0.033  | 0.937  | 0.00 - 0.50             |
| 8N-00124        | 40243     | Tm-171       | -4.65 U   | 15.6   | 5.6    | 72.4   | 0.00 - 0.50             |
| 8N-00124        | 40243     | U-233/234    | 1.14      | 0.0184 | 0.123  | 2.02   | 0.00 - 0.50             |
| 8N-00124        | 40243     | U-235/236    | 0.0947    | 0.0535 | 0.0306 | 0.151  | 0.00 - 0.50             |
| 8N-00124        | 40243     | U-238        | 1.27      | 0.0536 | 0.134  | 1.8    | 0.00 - 0.50             |
| 8N-00125        | 40245     | Ac-227       | -0.0057 U | 0.163  | 0.048  | 0.217  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Am-241       | 0.0084    | 0.0057 | 0.0042 | 0.0454 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Bi-212       | 0.978 J   | 0.149  | 0.0985 | 2.15   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Bi-214       | 0.826     | 0.0258 | 0.0398 | 1.59   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Cd-113m      | 45.2 U    | 114    | 35.8   | 3030   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Cm-243/244   | -0.0009 U | 0.0169 | 0.0031 | 0.0443 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Co-60        | 0.0051 U  | 0.019  | 0.0056 | 0.028  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Cs-134       | 0.0025 U  | 0.0164 | 0.0055 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00125        | 40245     | Cs-137       | 0.107      | 0.0154 | 0.0088 | 0.207  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Eu-152       | -0.0159 U  | 0.0411 | 0.0135 | 0.0566 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Eu-154       | -0.0781 LU | 0.0918 | 0.0335 | 0.15   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Eu-155       | 0.055 SJ   | 0.0601 | 0.0229 | 0.231  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Ho-166m      | -0.0009 U  | 0.0242 | 0.0072 | 0.0432 | 0.00 - 0.50             |
| 8N-00125        | 40245     | K-40         | 19.9       | 0.121  | 1.08   | 32.4   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Na-22        | -0.001 U   | 0.023  | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Nb-94        | -0.0034 U  | 0.0133 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Np-236       | -0.0087 U  | 0.0301 | 0.0094 | 0.047  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Np-239       | -0.0538 U  | 0.105  | 0.0337 | 0.139  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Pa-231       | -0.0288 U  | 0.676  | 0.207  | 0.936  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Pb-212       | 1.42       | 0.0357 | 0.0824 | 2.69   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Pb-214       | 0.856      | 0.0288 | 0.0416 | 1.7    | 0.00 - 0.50             |
| 8N-00125        | 40245     | Pu-238       | 0.0032 U   | 0.0454 | 0.01   | 0.0415 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Pu-239/240   | 0.022      | 0.0519 | 0.0158 | 0.0404 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Pu-244       | 0.0073 U   | 0.0365 | 0.0091 | 0.0313 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Sb-125       | -0.0082 U  | 0.0465 | 0.0143 | 0.354  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Sn-126       | -0.0035 U  | 0.0157 | 0.0047 | 0.0237 | 0.00 - 0.50             |
| 8N-00125        | 40245     | Sr-90        | 0.0573 U   | 0.144  | 0.0435 | 0.485  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Th-228       | 1.09 J     | 0.291  | 0.153  | 3.98   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Th-229       | 0.0172 U   | 0.113  | 0.0299 | 0.145  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Th-230       | 0.902      | 0.0798 | 0.108  | 2.2    | 0.00 - 0.50             |
| 8N-00125        | 40245     | Th-232       | 0.925      | 0.0631 | 0.109  | 3.1    | 0.00 - 0.50             |
| 8N-00125        | 40245     | Th-234       | 1.16 J     | 0.241  | 0.12   | 3.19   | 0.00 - 0.50             |
| 8N-00125        | 40245     | Tl-208       | 0.467      | 0.0185 | 0.0276 | 0.937  | 0.00 - 0.50             |
| 8N-00125        | 40245     | Tm-171       | -6.15 U    | 12.3   | 4.39   | 72.4   | 0.00 - 0.50             |
| 8N-00125        | 40245     | U-233/234    | 0.68       | 0.0599 | 0.0853 | 2.02   | 0.00 - 0.50             |
| 8N-00125        | 40245     | U-235/236    | 0.0128 U   | 0.0645 | 0.0165 | 0.151  | 0.00 - 0.50             |
| 8N-00125        | 40245     | U-238        | 0.803      | 0.0422 | 0.0949 | 1.8    | 0.00 - 0.50             |
| 8N-00126        | 40247     | Ac-227       | -0.0373 U  | 0.173  | 0.0536 | 0.217  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00126        | 40247     | Am-241       | 0.0024 U   | 0.0303 | 0.0076 | 0.0454 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Bi-212       | 0.963      | 0.141  | 0.0785 | 2.15   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Bi-214       | 1.05       | 0.026  | 0.0475 | 1.59   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Cd-113m      | 17.2 U     | 117    | 35.5   | 3030   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Cm-243/244   | -0.0094 U  | 0.0326 | 0.0062 | 0.0443 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Co-60        | -0.0055 U  | 0.0157 | 0.0049 | 0.028  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Cs-134       | 0.0028 UJ  | 0.0155 | 0.0053 | 0.0864 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Cs-137       | 0.131      | 0.0147 | 0.0097 | 0.207  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Eu-152       | -0.0567 UJ | 0.0417 | 0.0206 | 0.0566 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Eu-154       | -0.0279 U  | 0.0877 | 0.0269 | 0.15   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Eu-155       | 0.0845 JS  | 0.0653 | 0.0274 | 0.231  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Ho-166m      | 0.01 U     | 0.0233 | 0.0072 | 0.0432 | 0.00 - 0.50             |
| 8N-00126        | 40247     | K-40         | 20.3       | 0.112  | 1.21   | 32.4   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Na-22        | -0.0133 U  | 0.0205 | 0.0071 | 0.037  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Nb-94        | 0.0083 J   | 0.0135 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Np-236       | -0.0141 U  | 0.0319 | 0.01   | 0.047  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Np-239       | 0.0368 U   | 0.117  | 0.0362 | 0.139  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Pa-231       | -0.121 U   | 0.709  | 0.227  | 0.936  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Pb-212       | 1.58       | 0.0365 | 0.0967 | 2.69   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Pb-214       | 1.14       | 0.0298 | 0.0553 | 1.7    | 0.00 - 0.50             |
| 8N-00126        | 40247     | Pu-238       | 0          | 0.0065 | 0.0024 | 0.0415 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Pu-239/240   | 0.0179     | 0.0187 | 0.0076 | 0.0404 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Pu-244       | -0.0017 U  | 0.0151 | 0.0029 | 0.0313 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Sb-125       | -0.0075 U  | 0.0438 | 0.013  | 0.354  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Sn-126       | -0.0096 U  | 0.0142 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00126        | 40247     | Sr-90        | 0.0796     | 0.127  | 0.0408 | 0.485  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Th-228       | 1.23       | 0.0628 | 0.125  | 3.98   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Th-229       | 0.0481     | 0.0638 | 0.023  | 0.145  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Th-230       | 1.12       | 0.0504 | 0.11   | 2.2    | 0.00 - 0.50             |
| 8N-00126        | 40247     | Th-232       | 1.07       | 0.0185 | 0.106  | 3.1    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00126        | 40247     | Th-234       | 1.36       | 0.253  | 0.127  | 3.19   | 0.00 - 0.50             |
| 8N-00126        | 40247     | Tl-208       | 0.48       | 0.0181 | 0.0275 | 0.937  | 0.00 - 0.50             |
| 8N-00126        | 40247     | Tm-171       | -2.9 U     | 12.3   | 4.38   | 72.4   | 0.00 - 0.50             |
| 8N-00126        | 40247     | U-233/234    | 0.957      | 0.0461 | 0.099  | 2.02   | 0.00 - 0.50             |
| 8N-00126        | 40247     | U-235/236    | 0.101      | 0.0171 | 0.0262 | 0.151  | 0.00 - 0.50             |
| 8N-00126        | 40247     | U-238        | 1.03       | 0.0461 | 0.104  | 1.8    | 0.00 - 0.50             |
| 8N-00127        | 40249     | Ac-227       | -0.0569 U  | 0.152  | 0.0471 | 0.217  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Am-241       | 0.0021 U   | 0.0266 | 0.0067 | 0.0454 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Bi-212       | 0.86       | 0.132  | 0.0746 | 2.15   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Bi-214       | 0.859      | 0.0224 | 0.0406 | 1.59   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Cd-113m      | 2.59 U     | 101    | 29.7   | 3030   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Cm-243/244   | 0.016      | 0.014  | 0.0065 | 0.0443 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Co-60        | -0.0054 U  | 0.0144 | 0.0044 | 0.028  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Cs-134       | 0.0094 JS  | 0.0144 | 0.0053 | 0.0864 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Cs-137       | 0.0884     | 0.0133 | 0.0082 | 0.207  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Eu-152       | -0.0153 UJ | 0.0369 | 0.0126 | 0.0566 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Eu-154       | -0.0203 U  | 0.0828 | 0.0254 | 0.15   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Eu-155       | 0.0565 JS  | 0.058  | 0.0219 | 0.231  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Ho-166m      | -0.0094 U  | 0.02   | 0.0064 | 0.0432 | 0.00 - 0.50             |
| 8N-00127        | 40249     | K-40         | 20.7       | 0.106  | 1.18   | 32.4   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Na-22        | -0.0069 U  | 0.0193 | 0.0062 | 0.037  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Nb-94        | 0.0021 U   | 0.0117 | 0.0034 | 0.0214 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Np-236       | -0.0119 U  | 0.0281 | 0.0091 | 0.047  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Np-239       | 0.039 U    | 0.103  | 0.0311 | 0.139  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Pa-231       | 0.171 U    | 0.631  | 0.195  | 0.936  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Pb-212       | 1.45       | 0.0325 | 0.0886 | 2.69   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Pb-214       | 0.91       | 0.0255 | 0.0452 | 1.7    | 0.00 - 0.50             |
| 8N-00127        | 40249     | Pu-238       | 0.0006 U   | 0.0138 | 0.0027 | 0.0415 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Pu-239/240   | 0.0065     | 0.0059 | 0.0038 | 0.0404 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Pu-244       | 0.0012 U   | 0.017  | 0.0038 | 0.0313 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00127        | 40249     | Sb-125       | 0.0107 U  | 0.0408 | 0.0123 | 0.354  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Sn-126       | -0.0009 U | 0.0128 | 0.0037 | 0.0237 | 0.00 - 0.50             |
| 8N-00127        | 40249     | Sr-90        | 0.0046 U  | 0.204  | 0.0568 | 0.485  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Th-228       | 1.65      | 0.0832 | 0.156  | 3.98   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Th-229       | 0.0501    | 0.0194 | 0.0192 | 0.145  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Th-230       | 0.885     | 0.0193 | 0.0949 | 2.2    | 0.00 - 0.50             |
| 8N-00127        | 40249     | Th-232       | 1.1       | 0.0524 | 0.11   | 3.1    | 0.00 - 0.50             |
| 8N-00127        | 40249     | Th-234       | 1.19      | 0.212  | 0.116  | 3.19   | 0.00 - 0.50             |
| 8N-00127        | 40249     | Tl-208       | 0.461     | 0.0155 | 0.0268 | 0.937  | 0.00 - 0.50             |
| 8N-00127        | 40249     | Tm-171       | -3.73 U   | 10.7   | 3.74   | 72.4   | 0.00 - 0.50             |
| 8N-00127        | 40249     | U-233/234    | 0.763     | 0.0164 | 0.0885 | 2.02   | 0.00 - 0.50             |
| 8N-00127        | 40249     | U-235/236    | 0.0525    | 0.0203 | 0.0202 | 0.151  | 0.00 - 0.50             |
| 8N-00127        | 40249     | U-238        | 0.891     | 0.0164 | 0.099  | 1.8    | 0.00 - 0.50             |
| 8N-00127        | 40250     | Ac-227       | -0.0432 U | 0.19   | 0.0585 | 0.217  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Am-241       | 0.0048    | 0.0133 | 0.0039 | 0.0454 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Bi-212       | 1.11      | 0.157  | 0.106  | 2.15   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Bi-214       | 0.895     | 0.0302 | 0.0439 | 1.59   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Cd-113m      | 10.8 U    | 130    | 42.3   | 3030   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Cm-243/244   | 0.0155    | 0.0136 | 0.0063 | 0.0443 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Co-60        | 0.0058 U  | 0.0197 | 0.0058 | 0.028  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Cs-134       | 0.0072 U  | 0.0183 | 0.0063 | 0.0864 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Cs-137       | 0.0154    | 0.0182 | 0.0064 | 0.207  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Eu-152       | 0.0124 U  | 0.0498 | 0.0174 | 0.0566 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Eu-154       | 0.0093 U  | 0.107  | 0.0306 | 0.15   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Eu-155       | 0.0879 JS | 0.0735 | 0.0258 | 0.231  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Ho-166m      | -0.013 U  | 0.0261 | 0.0086 | 0.0432 | 1.00 - 5.00             |
| 8N-00127        | 40250     | K-40         | 20        | 0.139  | 1.12   | 32.4   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Na-22        | -0.0073 U | 0.0247 | 0.0076 | 0.037  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Nb-94        | -0.0001 U | 0.016  | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Np-236       | -0.0053 U | 0.0369 | 0.0109 | 0.047  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00127        | 40250     | Np-239       | -0.0653 U  | 0.127  | 0.0417 | 0.139  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Pa-231       | -0.23 U    | 0.791  | 0.268  | 0.936  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Pb-212       | 1.67       | 0.039  | 0.0983 | 2.69   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Pb-214       | 0.913      | 0.0343 | 0.0448 | 1.7    | 1.00 - 5.00             |
| 8N-00127        | 40250     | Pu-238       | -0.0037 U  | 0.0253 | 0.005  | 0.0415 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Pu-239/240   | 0.0019 U   | 0.0209 | 0.0049 | 0.0404 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Pu-244       | 0.0006 UJ  | 0.0147 | 0.0029 | 0.0313 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Sb-125       | 0.0064 UJ  | 0.0514 | 0.0149 | 0.354  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Sn-126       | -0.0006 U  | 0.0177 | 0.0053 | 0.0237 | 1.00 - 5.00             |
| 8N-00127        | 40250     | Sr-90        | -0.0079 U  | 0.146  | 0.0388 | 0.485  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Th-228       | 1.71 J     | 0.2    | 0.171  | 3.98   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Th-229       | 0.0302 UJ  | 0.123  | 0.0349 | 0.145  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Th-230       | 0.909      | 0.0924 | 0.1    | 2.2    | 1.00 - 5.00             |
| 8N-00127        | 40250     | Th-232       | 1.23       | 0.0787 | 0.121  | 3.1    | 1.00 - 5.00             |
| 8N-00127        | 40250     | Th-234       | 1.29 J     | 0.306  | 0.154  | 3.19   | 1.00 - 5.00             |
| 8N-00127        | 40250     | Tl-208       | 0.508      | 0.0212 | 0.03   | 0.937  | 1.00 - 5.00             |
| 8N-00127        | 40250     | Tm-171       | -2.4 U     | 15.1   | 5.33   | 72.4   | 1.00 - 5.00             |
| 8N-00127        | 40250     | U-233/234    | 0.771      | 0.0513 | 0.092  | 2.02   | 1.00 - 5.00             |
| 8N-00127        | 40250     | U-235/236    | 0.121      | 0.0218 | 0.0324 | 0.151  | 1.00 - 5.00             |
| 8N-00127        | 40250     | U-238        | 0.67       | 0.0176 | 0.083  | 1.8    | 1.00 - 5.00             |
| 8N-00128        | 40198     | Ac-227       | 0.0027 U   | 0.166  | 0.0509 | 0.217  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Am-241       | 0.0011 U   | 0.03   | 0.0075 | 0.0454 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Bi-212       | 0.823      | 0.139  | 0.0798 | 2.15   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Bi-214       | 0.917      | 0.0254 | 0.0427 | 1.59   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Cd-113m      | 10.8 U     | 112    | 34.2   | 3030   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Cm-243/244   | 0.0038 U   | 0.0262 | 0.0068 | 0.0443 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Co-60        | 0.0013 U   | 0.0172 | 0.0051 | 0.028  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Cs-134       | -0.0044 U  | 0.0154 | 0.0055 | 0.0864 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Cs-137       | 0.0584     | 0.0142 | 0.0069 | 0.207  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Eu-152       | -0.0089 UJ | 0.042  | 0.0124 | 0.0566 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00128        | 40198     | Eu-154       | -0.0183 U | 0.094  | 0.0283 | 0.15   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Eu-155       | 0.0715 JS | 0.0612 | 0.0253 | 0.231  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Ho-166m      | 0.003 U   | 0.0232 | 0.007  | 0.0432 | 0.00 - 0.50             |
| 8N-00128        | 40198     | K-40         | 21.6      | 0.117  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Na-22        | -0.0014 U | 0.0221 | 0.0067 | 0.037  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Nb-94        | 0.0048 U  | 0.0136 | 0.0042 | 0.0214 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Np-236       | -0.01 U   | 0.0312 | 0.0095 | 0.047  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Np-239       | 0.055 J   | 0.11   | 0.0354 | 0.139  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Pa-231       | -0.419 U  | 0.681  | 0.237  | 0.936  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Pb-212       | 1.51      | 0.0349 | 0.0905 | 2.69   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Pb-214       | 1.01      | 0.0288 | 0.0481 | 1.7    | 0.00 - 0.50             |
| 8N-00128        | 40198     | Pu-238       | -0.006 U  | 0.0252 | 0.0044 | 0.0415 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Pu-239/240   | 0.0036 U  | 0.0181 | 0.0046 | 0.0404 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Pu-244       | 0.0069    | 0.0062 | 0.004  | 0.0313 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Sb-125       | -0.0008 U | 0.0432 | 0.0127 | 0.354  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Sn-126       | 0.0025 U  | 0.0145 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00128        | 40198     | Sr-90        | 0.0842 U  | 0.17   | 0.0523 | 0.485  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Th-228       | 1.49      | 0.0808 | 0.144  | 3.98   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Th-229       | 0.007 U   | 0.0911 | 0.0231 | 0.145  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Th-230       | 0.756     | 0.0188 | 0.0845 | 2.2    | 0.00 - 0.50             |
| 8N-00128        | 40198     | Th-232       | 1.12      | 0.0509 | 0.11   | 3.1    | 0.00 - 0.50             |
| 8N-00128        | 40198     | Th-234       | 1.22 J    | 0.251  | 0.129  | 3.19   | 0.00 - 0.50             |
| 8N-00128        | 40198     | Tl-208       | 0.471     | 0.0176 | 0.0269 | 0.937  | 0.00 - 0.50             |
| 8N-00128        | 40198     | Tm-171       | 0.245 U   | 14.1   | 4.87   | 72.4   | 0.00 - 0.50             |
| 8N-00128        | 40198     | U-233/234    | 0.86      | 0.0514 | 0.107  | 2.02   | 0.00 - 0.50             |
| 8N-00128        | 40198     | U-235/236    | 0.0826    | 0.0636 | 0.0314 | 0.151  | 0.00 - 0.50             |
| 8N-00128        | 40198     | U-238        | 0.762     | 0.088  | 0.1    | 1.8    | 0.00 - 0.50             |
| 8N-00128        | 40199     | Ac-227       | -0.0114 U | 0.182  | 0.0537 | 0.217  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Am-241       | 0.0124    | 0.0056 | 0.0051 | 0.0454 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Bi-212       | 0.975     | 0.158  | 0.0905 | 2.15   | 1.00 - 3.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00128        | 40199     | Bi-214       | 0.897      | 0.0289 | 0.0435 | 1.59   | 1.00 - 3.50             |
| 8N-00128        | 40199     | Cd-113m      | -30 U      | 120    | 41.3   | 3030   | 1.00 - 3.50             |
| 8N-00128        | 40199     | Cm-243/244   | 0.009      | 0.0134 | 0.005  | 0.0443 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Co-60        | -0.002 U   | 0.019  | 0.0056 | 0.028  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Cs-134       | 0.0068 U   | 0.0174 | 0.0059 | 0.0864 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Cs-137       | -0.0011 U  | 0.0179 | 0.0053 | 0.207  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Eu-152       | 0.0007 U   | 0.0459 | 0.0148 | 0.0566 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Eu-154       | 0.0285 U   | 0.107  | 0.0355 | 0.15   | 1.00 - 3.50             |
| 8N-00128        | 40199     | Eu-155       | 0.0898 JS  | 0.0698 | 0.0295 | 0.231  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Ho-166m      | -0.0042 U  | 0.0263 | 0.0079 | 0.0432 | 1.00 - 3.50             |
| 8N-00128        | 40199     | K-40         | 20.5       | 0.136  | 1.11   | 32.4   | 1.00 - 3.50             |
| 8N-00128        | 40199     | Na-22        | -0.0033 U  | 0.0238 | 0.0071 | 0.037  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Nb-94        | 0.0092 J   | 0.016  | 0.0051 | 0.0214 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Np-236       | -0.0147 U  | 0.0333 | 0.0108 | 0.047  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Np-239       | 0.0224 U   | 0.119  | 0.035  | 0.139  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Pa-231       | -0.178 U   | 0.727  | 0.221  | 0.936  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Pb-212       | 1.57       | 0.0374 | 0.0908 | 2.69   | 1.00 - 3.50             |
| 8N-00128        | 40199     | Pb-214       | 0.952      | 0.0321 | 0.0464 | 1.7    | 1.00 - 3.50             |
| 8N-00128        | 40199     | Pu-238       | -0.0015 UJ | 0.027  | 0.0049 | 0.0415 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Pu-239/240   | 0.0112     | 0.0217 | 0.0073 | 0.0404 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Pu-244       | -0.0025 UJ | 0.0217 | 0.0042 | 0.0313 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Sb-125       | 0.0271 JS  | 0.0491 | 0.0158 | 0.354  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Sn-126       | 0.0038 U   | 0.0171 | 0.005  | 0.0237 | 1.00 - 3.50             |
| 8N-00128        | 40199     | Sr-90        | 0.0269 U   | 0.219  | 0.0624 | 0.485  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Th-228       | 1.25       | 0.145  | 0.137  | 3.98   | 1.00 - 3.50             |
| 8N-00128        | 40199     | Th-229       | 0.0158 UJ  | 0.106  | 0.0285 | 0.145  | 1.00 - 3.50             |
| 8N-00128        | 40199     | Th-230       | 0.823      | 0.0804 | 0.094  | 2.2    | 1.00 - 3.50             |
| 8N-00128        | 40199     | Th-232       | 1.23       | 0.0801 | 0.122  | 3.1    | 1.00 - 3.50             |
| 8N-00128        | 40199     | Th-234       | 1.55       | 0.263  | 0.148  | 3.19   | 1.00 - 3.50             |
| 8N-00128        | 40199     | Tl-208       | 0.512      | 0.0191 | 0.0301 | 0.937  | 1.00 - 3.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00128        | 40199     | Tm-171       | -6.68 U    | 12.9   | 4.62   | 72.4   | 1.00 - 3.50             |
| 8N-00128        | 40199     | U-233/234    | 0.742      | 0.0454 | 0.0857 | 2.02   | 1.00 - 3.50             |
| 8N-00128        | 40199     | U-235/236    | 0.0426     | 0.0193 | 0.0177 | 0.151  | 1.00 - 3.50             |
| 8N-00128        | 40199     | U-238        | 0.778      | 0.0366 | 0.0883 | 1.8    | 1.00 - 3.50             |
| 8N-00129        | 40200     | Ac-227       | -0.122 U   | 0.197  | 0.0664 | 0.217  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Am-241       | 0.0023     | 0.0061 | 0.0023 | 0.0454 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Bi-212       | 0.865 J    | 0.164  | 0.103  | 2.15   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Bi-214       | 0.953      | 0.0297 | 0.0461 | 1.59   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Cd-113m      | -58.9 U    | 133    | 42.5   | 3030   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Cm-243/244   | 0.0006 U   | 0.0147 | 0.0028 | 0.0443 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Co-60        | 0.0029 U   | 0.0198 | 0.0057 | 0.028  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Cs-134       | -0.0035 U  | 0.0174 | 0.0061 | 0.0864 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Cs-137       | 0.0378     | 0.0167 | 0.0067 | 0.207  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Eu-152       | -0.0026 UJ | 0.0501 | 0.0165 | 0.0566 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Eu-154       | -0.056 U   | 0.104  | 0.0342 | 0.15   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Eu-155       | 0.0589 JS  | 0.0749 | 0.0277 | 0.231  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Ho-166m      | -0.012 U   | 0.0265 | 0.0086 | 0.0432 | 0.00 - 0.50             |
| 8N-00129        | 40200     | K-40         | 21.5       | 0.14   | 1.35   | 32.4   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Na-22        | -0.0055 U  | 0.0257 | 0.0079 | 0.037  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Nb-94        | 0.0026 U   | 0.0159 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Np-236       | -0.0033 U  | 0.0373 | 0.0115 | 0.047  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Np-239       | 0.0306 U   | 0.132  | 0.0395 | 0.139  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Pa-231       | 0.095 U    | 0.792  | 0.27   | 0.936  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Pb-212       | 1.72       | 0.0414 | 0.105  | 2.69   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Pb-214       | 1.02       | 0.0343 | 0.0496 | 1.7    | 0.00 - 0.50             |
| 8N-00129        | 40200     | Pu-238       | 0.0049     | 0.0067 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Pu-239/240   | 0.0031 U   | 0.0156 | 0.0039 | 0.0404 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Pu-244       | 0.0024     | 0.0066 | 0.0025 | 0.0313 | 0.00 - 0.50             |
| 8N-00129        | 40200     | Sb-125       | 0.0018 U   | 0.0522 | 0.0151 | 0.354  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Sn-126       | 0.0033 U   | 0.0174 | 0.0052 | 0.0237 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00129        | 40200     | Sr-90        | 0.0859 U   | 0.196  | 0.0596 | 0.485  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Th-228       | 1.62       | 0.0806 | 0.152  | 3.98   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Th-229       | 0.0347     | 0.0747 | 0.0231 | 0.145  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Th-230       | 0.962      | 0.0509 | 0.0994 | 2.2    | 0.00 - 0.50             |
| 8N-00129        | 40200     | Th-232       | 1.21       | 0.0508 | 0.116  | 3.1    | 0.00 - 0.50             |
| 8N-00129        | 40200     | Th-234       | 1.31 J     | 0.302  | 0.156  | 3.19   | 0.00 - 0.50             |
| 8N-00129        | 40200     | Tl-208       | 0.479      | 0.0202 | 0.0279 | 0.937  | 0.00 - 0.50             |
| 8N-00129        | 40200     | Tm-171       | 1.11 U     | 19.3   | 6.43   | 72.4   | 0.00 - 0.50             |
| 8N-00129        | 40200     | U-233/234    | 0.849      | 0.0491 | 0.0968 | 2.02   | 0.00 - 0.50             |
| 8N-00129        | 40200     | U-235/236    | 0.0462     | 0.0209 | 0.0192 | 0.151  | 0.00 - 0.50             |
| 8N-00129        | 40200     | U-238        | 0.892      | 0.0397 | 0.1    | 1.8    | 0.00 - 0.50             |
| 8N-00129        | 40201     | Ac-227       | -0.135 U   | 0.216  | 0.0729 | 0.217  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Am-241       | -0.0016 U  | 0.027  | 0.0063 | 0.0454 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Bi-212       | 1 J        | 0.183  | 0.101  | 2.15   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Bi-214       | 0.937      | 0.0329 | 0.0465 | 1.59   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Cd-113m      | -18.9 U    | 148    | 46.1   | 3030   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Cm-243/244   | 0.0108     | 0.0212 | 0.0067 | 0.0443 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Co-60        | -0.0007 U  | 0.0219 | 0.0065 | 0.028  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Cs-134       | -0.001 U   | 0.0199 | 0.0068 | 0.0864 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Cs-137       | -0.0145 UJ | 0.0183 | 0.0066 | 0.207  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Eu-152       | -0.0151 U  | 0.0552 | 0.0186 | 0.0566 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Eu-154       | -0.0587 U  | 0.113  | 0.0369 | 0.15   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Eu-155       | 0.101 JS   | 0.0805 | 0.0339 | 0.231  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Ho-166m      | -0.0114 U  | 0.0283 | 0.009  | 0.0432 | 1.00 - 5.00             |
| 8N-00129        | 40201     | K-40         | 19.8       | 0.14   | 1.23   | 32.4   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Na-22        | 0.0006 U   | 0.0274 | 0.0081 | 0.037  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Nb-94        | 0.0081 U   | 0.0178 | 0.0055 | 0.0214 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Np-236       | -0.0182 U  | 0.0412 | 0.0136 | 0.047  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Np-239       | -0.0328 U  | 0.145  | 0.044  | 0.139  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Pa-231       | -0.583 U   | 0.901  | 0.309  | 0.936  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00129        | 40201     | Pb-212       | 1.73      | 0.0458 | 0.112  | 2.69   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Pb-214       | 1.03      | 0.0373 | 0.0515 | 1.7    | 1.00 - 5.00             |
| 8N-00129        | 40201     | Pu-238       | -0.0075 U | 0.0227 | 0.004  | 0.0415 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Pu-239/240   | 0.005 U   | 0.0226 | 0.0061 | 0.0404 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Pu-244       | 0.0017 UJ | 0.0188 | 0.0044 | 0.0313 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Sb-125       | 0.0165 UJ | 0.0579 | 0.0178 | 0.354  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Sn-126       | -0.0068 U | 0.0182 | 0.0058 | 0.0237 | 1.00 - 5.00             |
| 8N-00129        | 40201     | Sr-90        | 0.534     | 0.139  | 0.0858 | 0.485  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Th-228       | 1.46 J    | 0.151  | 0.154  | 3.98   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Th-229       | 0.0229 UJ | 0.0838 | 0.0234 | 0.145  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Th-230       | 0.742     | 0.0649 | 0.089  | 2.2    | 1.00 - 5.00             |
| 8N-00129        | 40201     | Th-232       | 1.17      | 0.0833 | 0.121  | 3.1    | 1.00 - 5.00             |
| 8N-00129        | 40201     | Th-234       | 1.6 J     | 0.332  | 0.202  | 3.19   | 1.00 - 5.00             |
| 8N-00129        | 40201     | Tl-208       | 0.534     | 0.0235 | 0.0316 | 0.937  | 1.00 - 5.00             |
| 8N-00129        | 40201     | Tm-171       | 3.48 U    | 21.6   | 7.29   | 72.4   | 1.00 - 5.00             |
| 8N-00129        | 40201     | U-233/234    | 0.735     | 0.0706 | 0.0797 | 2.02   | 1.00 - 5.00             |
| 8N-00129        | 40201     | U-235/236    | 0.032     | 0.0497 | 0.0171 | 0.151  | 1.00 - 5.00             |
| 8N-00129        | 40201     | U-238        | 0.761     | 0.0484 | 0.0804 | 1.8    | 1.00 - 5.00             |
| 8N-00130        | 40093     | Ac-227       | 0.0468 U  | 0.171  | 0.053  | 0.217  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Am-241       | -0.0043 U | 0.02   | 0.0035 | 0.0454 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Bi-212       | 1.01      | 0.135  | 0.0859 | 2.15   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Bi-214       | 0.91      | 0.0257 | 0.0468 | 1.59   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Cd-113m      | 69.4 J    | 114    | 39.4   | 3030   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Cm-243/244   | 0.0035 U  | 0.0146 | 0.0038 | 0.0443 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Co-60        | 0.006 U   | 0.0178 | 0.0053 | 0.028  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Cs-134       | 0.0094 JS | 0.0151 | 0.0054 | 0.0864 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Cs-137       | 0.0307    | 0.0149 | 0.0063 | 0.207  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Eu-152       | -0.0155 U | 0.0422 | 0.0133 | 0.0566 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Eu-154       | -0.0428 U | 0.0906 | 0.0293 | 0.15   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Eu-155       | 0.0519 JS | 0.0617 | 0.025  | 0.231  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00130        | 40093     | Ho-166m      | 0.006 U   | 0.024  | 0.0073 | 0.0432 | 0.00 - 0.50             |
| 8N-00130        | 40093     | K-40         | 19.7      | 0.115  | 1.12   | 32.4   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Na-22        | -0.0016 U | 0.0206 | 0.0072 | 0.037  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Nb-94        | 0.0029 U  | 0.0138 | 0.0042 | 0.0214 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Np-236       | -0.0094 U | 0.0311 | 0.0094 | 0.047  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Np-239       | 0.0638 J  | 0.113  | 0.037  | 0.139  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Pa-231       | 0.236 U   | 0.696  | 0.218  | 0.936  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Pb-212       | 1.57      | 0.0341 | 0.0939 | 2.69   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Pb-214       | 1.04      | 0.0274 | 0.0489 | 1.7    | 0.00 - 0.50             |
| 8N-00130        | 40093     | Pu-238       | 0.0031 U  | 0.0154 | 0.0038 | 0.0415 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Pu-239/240   | 0.0014 U  | 0.019  | 0.0042 | 0.0404 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Pu-244       | 0.0103    | 0.0153 | 0.0057 | 0.0313 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Sb-125       | -0.0107 U | 0.0428 | 0.0129 | 0.354  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Sn-126       | -0.0008 U | 0.0152 | 0.0046 | 0.0237 | 0.00 - 0.50             |
| 8N-00130        | 40093     | Sr-90        | 0.131 U   | 0.23   | 0.0726 | 0.485  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Th-228       | 1.72      | 0.104  | 0.16   | 3.98   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Th-229       | 0.0138 U  | 0.0641 | 0.0169 | 0.145  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Th-230       | 0.915     | 0.0186 | 0.0958 | 2.2    | 0.00 - 0.50             |
| 8N-00130        | 40093     | Th-232       | 1.3       | 0.0186 | 0.121  | 3.1    | 0.00 - 0.50             |
| 8N-00130        | 40093     | Th-234       | 1.45 J    | 0.247  | 0.146  | 3.19   | 0.00 - 0.50             |
| 8N-00130        | 40093     | Tl-208       | 0.497     | 0.018  | 0.0281 | 0.937  | 0.00 - 0.50             |
| 8N-00130        | 40093     | Tm-171       | -8.81 U   | 13.5   | 5.21   | 72.4   | 0.00 - 0.50             |
| 8N-00130        | 40093     | U-233/234    | 0.894     | 0.0099 | 0.085  | 2.02   | 0.00 - 0.50             |
| 8N-00130        | 40093     | U-235/236    | 0.0406    | 0.0122 | 0.0138 | 0.151  | 0.00 - 0.50             |
| 8N-00130        | 40093     | U-238        | 0.831     | 0.033  | 0.0807 | 1.8    | 0.00 - 0.50             |
| 8N-00130        | 40255     | Ac-227       | -0.103 U  | 0.168  | 0.0558 | 0.217  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Am-241       | -0.0015 U | 0.0145 | 0.0029 | 0.0454 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Bi-212       | 1.05      | 0.138  | 0.0875 | 2.15   | 0.00 - 0.50             |
| 8N-00130        | 40255     | Bi-214       | 0.947     | 0.0263 | 0.0447 | 1.59   | 0.00 - 0.50             |
| 8N-00130        | 40255     | Cd-113m      | -60.1 U   | 112    | 36.3   | 3030   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00130        | 40255     | Cm-243/244   | 0.001 U   | 0.0148 | 0.0029 | 0.0443 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Co-60        | -0.0031 U | 0.0165 | 0.0048 | 0.028  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Cs-134       | 0.0085 JS | 0.0155 | 0.0056 | 0.0864 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Cs-137       | 0.0354    | 0.0165 | 0.0065 | 0.207  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Eu-152       | -0.0149 U | 0.0418 | 0.0135 | 0.0566 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Eu-154       | -0.0366 U | 0.0905 | 0.0288 | 0.15   | 0.00 - 0.50             |
| 8N-00130        | 40255     | Eu-155       | 0.0711 JS | 0.0613 | 0.0285 | 0.231  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Ho-166m      | -0.0023 U | 0.0236 | 0.0069 | 0.0432 | 0.00 - 0.50             |
| 8N-00130        | 40255     | K-40         | 21.2      | 0.122  | 1.19   | 32.4   | 0.00 - 0.50             |
| 8N-00130        | 40255     | Na-22        | -0.003 U  | 0.0204 | 0.0062 | 0.037  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Nb-94        | -0.0046 U | 0.0135 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Np-236       | -0.0137 U | 0.0311 | 0.0101 | 0.047  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Np-239       | -0.0167 U | 0.112  | 0.0329 | 0.139  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Pa-231       | 0.229 U   | 0.699  | 0.225  | 0.936  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Pb-212       | 1.58      | 0.0349 | 0.095  | 2.69   | 0.00 - 0.50             |
| 8N-00130        | 40255     | Pb-214       | 1.02      | 0.0292 | 0.0489 | 1.7    | 0.00 - 0.50             |
| 8N-00130        | 40255     | Pu-238       | 0.0068    | 0.0061 | 0.0039 | 0.0415 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Pu-239/240   | 0.0093    | 0.0226 | 0.0068 | 0.0404 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Pu-244       | 0.0023    | 0.0061 | 0.0023 | 0.0313 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Sb-125       | 0.0035 U  | 0.044  | 0.0131 | 0.354  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Sn-126       | -0.0068 U | 0.0147 | 0.0047 | 0.0237 | 0.00 - 0.50             |
| 8N-00130        | 40255     | Sr-90        | 0.466     | 0.182  | 0.0914 | 0.485  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Th-228       | 1.34      | 0.106  | 0.136  | 3.98   | 0.00 - 0.50             |
| 8N-00130        | 40255     | Th-229       | 0.0492    | 0.0653 | 0.0235 | 0.145  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Th-230       | 1.06      | 0.0516 | 0.107  | 2.2    | 0.00 - 0.50             |
| 8N-00130        | 40255     | Th-232       | 1.2       | 0.0515 | 0.116  | 3.1    | 0.00 - 0.50             |
| 8N-00130        | 40255     | Th-234       | 1.38      | 0.231  | 0.133  | 3.19   | 0.00 - 0.50             |
| 8N-00130        | 40255     | Tl-208       | 0.485     | 0.0181 | 0.028  | 0.937  | 0.00 - 0.50             |
| 8N-00130        | 40255     | Tm-171       | -4.5 U    | 11.4   | 3.99   | 72.4   | 0.00 - 0.50             |
| 8N-00130        | 40255     | U-233/234    | 0.85      | 0.0366 | 0.0804 | 2.02   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00130        | 40255     | U-235/236    | 0.0604     | 0.0327 | 0.0176 | 0.151  | 0.00 - 0.50             |
| 8N-00130        | 40255     | U-238        | 0.714      | 0.0304 | 0.0702 | 1.8    | 0.00 - 0.50             |
| 8N-00131        | 40094     | Ac-227       | -0.0118 U  | 0.188  | 0.057  | 0.217  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Am-241       | 0.0075 U   | 0.0281 | 0.0079 | 0.0454 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Bi-212       | 1.09       | 0.156  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Bi-214       | 1.02       | 0.0304 | 0.0483 | 1.59   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Cd-113m      | -11.2 U    | 128    | 40.3   | 3030   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Cm-243/244   | 0.0063 U   | 0.0202 | 0.0057 | 0.0443 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Co-60        | -0.0032 U  | 0.0182 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Cs-134       | 0.0077 U   | 0.0172 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Cs-137       | 0.035      | 0.0164 | 0.0058 | 0.207  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Eu-152       | -0.0261 U  | 0.0461 | 0.0169 | 0.0566 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Eu-154       | -0.0167 U  | 0.103  | 0.0307 | 0.15   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Eu-155       | 0.0825 JS  | 0.0671 | 0.0264 | 0.231  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Ho-166m      | -0.0091 U  | 0.0254 | 0.0081 | 0.0432 | 0.00 - 0.50             |
| 8N-00131        | 40094     | K-40         | 22.5       | 0.131  | 1.34   | 32.4   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Na-22        | -0.0158 U  | 0.023  | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Nb-94        | 0.0061 U   | 0.0151 | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Np-236       | -0.0261 UJ | 0.034  | 0.0122 | 0.047  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Np-239       | -0.0124 U  | 0.124  | 0.0377 | 0.139  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Pa-231       | -0.0988 U  | 0.782  | 0.24   | 0.936  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Pb-212       | 1.64       | 0.0393 | 0.101  | 2.69   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Pb-214       | 1.15       | 0.0324 | 0.0565 | 1.7    | 0.00 - 0.50             |
| 8N-00131        | 40094     | Pu-236       | 0.0039 U   | 0.0198 | 0.0051 | 0.0448 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Pu-238       | 0.0022     | 0.0059 | 0.0022 | 0.0415 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Pu-239/240   | -0.0041 U  | 0.0216 | 0.0038 | 0.0404 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Pu-244       | 0.0022     | 0.0058 | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Sb-125       | 0.0034 U   | 0.0493 | 0.0144 | 0.354  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Sn-126       | -0.0024 U  | 0.0164 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00131        | 40094     | Sr-90        | 0.172      | 0.167  | 0.058  | 0.485  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00131        | 40094     | Th-228       | 1.32       | 0.166  | 0.132  | 3.98   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Th-229       | 0.0237 U   | 0.099  | 0.0279 | 0.145  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Th-230       | 0.829      | 0.0638 | 0.086  | 2.2    | 0.00 - 0.50             |
| 8N-00131        | 40094     | Th-232       | 1.1        | 0.0636 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8N-00131        | 40094     | Th-234       | 1.22 J     | 0.268  | 0.134  | 3.19   | 0.00 - 0.50             |
| 8N-00131        | 40094     | Tl-208       | 0.512      | 0.0194 | 0.0291 | 0.937  | 0.00 - 0.50             |
| 8N-00131        | 40094     | Tm-171       | -8.39 U    | 13.2   | 5.08   | 72.4   | 0.00 - 0.50             |
| 8N-00131        | 40094     | U-233/234    | 0.648      | 0.0549 | 0.0771 | 2.02   | 0.00 - 0.50             |
| 8N-00131        | 40094     | U-235/236    | 0.0222     | 0.0431 | 0.0145 | 0.151  | 0.00 - 0.50             |
| 8N-00131        | 40094     | U-238        | 0.722      | 0.0148 | 0.0821 | 1.8    | 0.00 - 0.50             |
| 8N-00132        | 40202     | Ac-227       | -0.0706 U  | 0.195  | 0.0631 | 0.217  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Am-241       | 0.0147     | 0.0149 | 0.0065 | 0.0454 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Bi-212       | 0.824      | 0.162  | 0.0823 | 2.15   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Bi-214       | 0.769      | 0.0288 | 0.0379 | 1.59   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Cd-113m      | -49.1 U    | 133    | 46.7   | 3030   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Cm-243/244   | 0.0055     | 0.0153 | 0.0045 | 0.0443 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Co-60        | 0.003 U    | 0.0185 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Cs-134       | 0.0045 U   | 0.0175 | 0.0059 | 0.0864 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Cs-137       | 0.0301     | 0.0181 | 0.0062 | 0.207  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Eu-152       | -0.0039 UJ | 0.0487 | 0.0176 | 0.0566 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Eu-154       | -0.0013 U  | 0.0991 | 0.0347 | 0.15   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Eu-155       | 0.0425 JS  | 0.0793 | 0.0253 | 0.231  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Ho-166m      | -0.0094 U  | 0.0246 | 0.0077 | 0.0432 | 0.00 - 0.50             |
| 8N-00132        | 40202     | K-40         | 18.5       | 0.129  | 1.15   | 32.4   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Na-22        | -0.0158 U  | 0.0232 | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Nb-94        | 0.002 U    | 0.015  | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Ni-59        | 0.188 U    | 7.2    | 2      | 5.96   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Ni-63        | -0.141 U   | 1.44   | 0.427  | 4.92   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Np-236       | -0.0006 U  | 0.0383 | 0.0114 | 0.047  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Np-239       | 0.0265 U   | 0.131  | 0.0403 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00132        | 40202     | Pa-231       | 0.0158 U  | 0.802  | 0.248  | 0.936  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Pb-212       | 1.46      | 0.0406 | 0.0968 | 2.69   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Pb-214       | 0.843     | 0.0323 | 0.0449 | 1.7    | 0.00 - 0.50             |
| 8N-00132        | 40202     | Pu-238       | 0.0027    | 0.0073 | 0.0027 | 0.0415 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Pu-239/240   | 0.0042 U  | 0.0212 | 0.0054 | 0.0404 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Pu-244       | 0.0188    | 0.0073 | 0.0072 | 0.0313 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Sb-125       | 0.0089 U  | 0.0494 | 0.0147 | 0.354  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Sn-126       | 0.002 U   | 0.0164 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00132        | 40202     | Sr-90        | 0.0316 U  | 0.161  | 0.0458 | 0.485  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Tc-99        | 0.687 U   | 1.77   | 0.534  | 1.63   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Th-228       | 1.34 J    | 0.283  | 0.167  | 3.98   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Th-229       | 0.0335 UJ | 0.11   | 0.0314 | 0.145  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Th-230       | 0.97      | 0.0777 | 0.112  | 2.2    | 0.00 - 0.50             |
| 8N-00132        | 40202     | Th-232       | 1.25      | 0.0614 | 0.132  | 3.1    | 0.00 - 0.50             |
| 8N-00132        | 40202     | Th-234       | 1.36 J    | 0.317  | 0.151  | 3.19   | 0.00 - 0.50             |
| 8N-00132        | 40202     | Tl-208       | 0.441     | 0.0195 | 0.026  | 0.937  | 0.00 - 0.50             |
| 8N-00132        | 40202     | Tm-171       | -7.62 U   | 22.7   | 7.79   | 72.4   | 0.00 - 0.50             |
| 8N-00132        | 40202     | U-233/234    | 0.757     | 0.05   | 0.09   | 2.02   | 0.00 - 0.50             |
| 8N-00132        | 40202     | U-235/236    | 0.0627    | 0.0212 | 0.0226 | 0.151  | 0.00 - 0.50             |
| 8N-00132        | 40202     | U-238        | 0.739     | 0.05   | 0.0885 | 1.8    | 0.00 - 0.50             |
| 8N-00133        | 40203     | Ac-227       | -0.124 U  | 0.201  | 0.0675 | 0.217  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Am-241       | 0.0043    | 0.012  | 0.0035 | 0.0454 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Bi-212       | 0.996 J   | 0.263  | 0.252  | 2.15   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Bi-214       | 0.914     | 0.0309 | 0.0456 | 1.59   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Cd-113m      | -64.1 U   | 137    | 47.2   | 3030   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Cm-243/244   | 0.0058    | 0.0052 | 0.0033 | 0.0443 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Co-60        | -0.0055 U | 0.0217 | 0.0066 | 0.028  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Cs-134       | -0.0052 U | 0.0187 | 0.0065 | 0.0864 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Cs-137       | 0.054     | 0.0196 | 0.0099 | 0.207  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Eu-152       | -0.0262 U | 0.0494 | 0.0176 | 0.0566 | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00133        | 40203     | Eu-154       | -0.0366 U | 0.11   | 0.0336 | 0.15   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Eu-155       | 0.0576 JS | 0.0758 | 0.0219 | 0.231  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Ho-166m      | -0.0134 U | 0.0274 | 0.0089 | 0.0432 | 0.00 - 0.50             |
| 8N-00133        | 40203     | K-40         | 20.3      | 0.146  | 1.22   | 32.4   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Na-22        | -0.0163 U | 0.026  | 0.0089 | 0.037  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Nb-94        | 0.0085 J  | 0.0168 | 0.0052 | 0.0214 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Ni-59        | 0.647 U   | 4.58   | 1.25   | 5.96   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Ni-63        | 0.25 U    | 1.34   | 0.404  | 4.92   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Np-236       | -0.031 UJ | 0.0369 | 0.0137 | 0.047  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Np-239       | -0.0473 U | 0.132  | 0.0406 | 0.139  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Pa-231       | -0.0492 U | 0.838  | 0.249  | 0.936  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Pb-212       | 1.49      | 0.0403 | 0.1    | 2.69   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Pb-214       | 0.964     | 0.035  | 0.0511 | 1.7    | 0.00 - 0.50             |
| 8N-00133        | 40203     | Pu-236       | 0         | 0.0065 | 0.0024 | 0.0448 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Pu-238       | 0.0026 U  | 0.0131 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Pu-239/240   | 0.0047    | 0.013  | 0.0039 | 0.0404 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Pu-244       | 0.0021    | 0.0056 | 0.0021 | 0.0313 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Sb-125       | -0.0225 U | 0.052  | 0.017  | 0.354  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Sn-126       | -0.0051 U | 0.0181 | 0.0056 | 0.0237 | 0.00 - 0.50             |
| 8N-00133        | 40203     | Sr-90        | 0.0312 U  | 0.128  | 0.0363 | 0.485  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Tc-99        | 0.396 U   | 1.71   | 0.514  | 1.63   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Th-228       | 1.63      | 0.0623 | 0.15   | 3.98   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Th-229       | 0.034     | 0.0632 | 0.0205 | 0.145  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Th-230       | 0.91      | 0.05   | 0.0947 | 2.2    | 0.00 - 0.50             |
| 8N-00133        | 40203     | Th-232       | 1.23      | 0.0499 | 0.115  | 3.1    | 0.00 - 0.50             |
| 8N-00133        | 40203     | Th-234       | 1.18 J    | 0.31   | 0.148  | 3.19   | 0.00 - 0.50             |
| 8N-00133        | 40203     | Tl-208       | 0.477     | 0.0208 | 0.0292 | 0.937  | 0.00 - 0.50             |
| 8N-00133        | 40203     | Tm-171       | -2.47 U   | 18.4   | 6.17   | 72.4   | 0.00 - 0.50             |
| 8N-00133        | 40203     | U-233/234    | 0.536     | 0.0463 | 0.0693 | 2.02   | 0.00 - 0.50             |
| 8N-00133        | 40203     | U-235/236    | 0.0456    | 0.0463 | 0.0202 | 0.151  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00133        | 40203     | U-238        | 0.676    | 0.0589 | 0.0815 | 1.8    | 0.00 - 0.50             |
| 8N-00133        | 40204     | Ac-227       | -0.0547  | 0.177  | 0.054  | 0.217  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Am-241       | 0.0006   | 0.013  | 0.0025 | 0.0454 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Bi-212       | 1.19     | 0.14   | 0.0937 | 2.15   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Bi-214       | 1.11     | 0.0267 | 0.0506 | 1.59   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Cd-113m      | 2.1      | 119    | 34.7   | 3030   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Cm-243/244   | -0.0018  | 0.0209 | 0.0042 | 0.0443 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Co-60        | -0.0052  | 0.0168 | 0.0051 | 0.028  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Cs-134       | 0.0116   | 0.0159 | 0.0059 | 0.0864 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Cs-137       | -0.0012  | 0.0153 | 0.0051 | 0.207  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Eu-152       | -0.0371  | 0.0434 | 0.016  | 0.0566 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Eu-154       | -0.0205  | 0.0878 | 0.0268 | 0.15   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Eu-155       | 0.0317   | 0.0658 | 0.0212 | 0.231  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Ho-166m      | 0.0093   | 0.0245 | 0.0073 | 0.0432 | 1.00 - 5.00             |
| 8N-00133        | 40204     | K-40         | 18.8     | 0.132  | 1.06   | 32.4   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Na-22        | -0.0011  | 0.0211 | 0.0071 | 0.037  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Nb-94        | 0.0064   | 0.0146 | 0.0044 | 0.0214 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Ni-59        | 0.7      | 6.22   | 1.7    | 5.96   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Ni-63        | -0.181   | 1.52   | 0.451  | 4.92   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Np-236       | -0.0061  | 0.0332 | 0.0103 | 0.047  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Np-239       | -0.0288  | 0.118  | 0.0353 | 0.139  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Pa-231       | -0.0254  | 0.736  | 0.224  | 0.936  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Pb-212       | 1.78     | 0.0396 | 0.107  | 2.69   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Pb-214       | 1.23     | 0.0306 | 0.0584 | 1.7    | 1.00 - 5.00             |
| 8N-00133        | 40204     | Pu-238       | 0.0156   | 0.0207 | 0.0075 | 0.0415 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Pu-239/240   | 0.0019   | 0.0206 | 0.0049 | 0.0404 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Pu-244       | 0.0068   | 0.0062 | 0.004  | 0.0313 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Sb-125       | 0.0115   | 0.046  | 0.0139 | 0.354  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Sn-126       | 0.0019   | 0.0158 | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8N-00133        | 40204     | Sr-90        | 0.171    | 0.242  | 0.0782 | 0.485  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00133        | 40204     | Tc-99        | -0.87     | 1.67   | 0.47   | 1.63   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Th-228       | 1.31      | 0.17   | 0.146  | 3.98   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Th-229       | 0.0322    | 0.0749 | 0.0229 | 0.145  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Th-230       | 0.885     | 0.0218 | 0.101  | 2.2    | 1.00 - 5.00             |
| 8N-00133        | 40204     | Th-232       | 1.24      | 0.059  | 0.127  | 3.1    | 1.00 - 5.00             |
| 8N-00133        | 40204     | Th-234       | 1.43      | 0.264  | 0.133  | 3.19   | 1.00 - 5.00             |
| 8N-00133        | 40204     | Tl-208       | 0.56      | 0.018  | 0.0308 | 0.937  | 1.00 - 5.00             |
| 8N-00133        | 40204     | Tm-171       | -0.534    | 11.9   | 4      | 72.4   | 1.00 - 5.00             |
| 8N-00133        | 40204     | U-233/234    | 0.761     | 0.0468 | 0.0844 | 2.02   | 1.00 - 5.00             |
| 8N-00133        | 40204     | U-235/236    | 0.0465    | 0.0407 | 0.019  | 0.151  | 1.00 - 5.00             |
| 8N-00133        | 40204     | U-238        | 0.756     | 0.0519 | 0.0841 | 1.8    | 1.00 - 5.00             |
| 8N-00134        | 40205     | Ac-227       | 0.176 J   | 0.26   | 0.0864 | 0.217  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Am-241       | 0.0043    | 0.0121 | 0.0036 | 0.0454 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Bi-212       | 1.05      | 0.17   | 0.0995 | 2.15   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Bi-214       | 0.903     | 0.0348 | 0.0454 | 1.59   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Cd-113m      | -231 UJ   | 169    | 82.7   | 3030   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Cm-243/244   | 0.002     | 0.0053 | 0.002  | 0.0443 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Co-60        | 0.0054 U  | 0.0224 | 0.0065 | 0.028  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Cs-134       | 0.0827 JS | 0.0263 | 0.021  | 0.0864 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Cs-137       | 0.0549    | 0.0201 | 0.0092 | 0.207  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Eu-152       | -0.0075 U | 0.0623 | 0.0368 | 0.0566 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Eu-154       | -0.0454 U | 0.113  | 0.0361 | 0.15   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Eu-155       | -0.0425 U | 0.101  | 0.0327 | 0.231  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Ho-166m      | 0.01 U    | 0.0317 | 0.0096 | 0.0432 | 0.00 - 0.50             |
| 8N-00134        | 40205     | K-40         | 19.8      | 0.146  | 1.29   | 32.4   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Na-22        | -0.0147 U | 0.0262 | 0.0086 | 0.037  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Nb-94        | 0.0091 J  | 0.0179 | 0.0056 | 0.0214 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Ni-59        | 0.279 U   | 4.06   | 1.12   | 5.96   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Ni-63        | -0.177 U  | 1.26   | 0.374  | 4.92   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Np-236       | -0.0159 U | 0.0507 | 0.016  | 0.047  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00134        | 40205     | Np-239       | -0.0379 U | 0.17   | 0.056  | 0.139  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Pa-231       | -0.914 UJ | 1.04   | 0.385  | 0.936  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Pb-212       | 2.08      | 0.0512 | 0.152  | 2.69   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Pb-214       | 0.96      | 0.042  | 0.0559 | 1.7    | 0.00 - 0.50             |
| 8N-00134        | 40205     | Pu-236       | -0.0032 U | 0.0248 | 0.0044 | 0.0448 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Pu-238       | 0.0054    | 0.015  | 0.0044 | 0.0415 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Pu-239/240   | 0.0101    | 0.015  | 0.0056 | 0.0404 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Pu-244       | 0.0024    | 0.0064 | 0.0024 | 0.0313 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Sb-125       | 0.0098 U  | 0.0617 | 0.0183 | 0.354  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Sn-126       | 0.0003 U  | 0.0199 | 0.0059 | 0.0237 | 0.00 - 0.50             |
| 8N-00134        | 40205     | Sr-90        | 0.0883 U  | 0.17   | 0.0529 | 0.485  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Tc-99        | 0.361 U   | 1.63   | 0.489  | 1.63   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Th-228       | 1.61      | 0.101  | 0.151  | 3.98   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Th-229       | 0.0338    | 0.0728 | 0.0225 | 0.145  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Th-230       | 0.964     | 0.0183 | 0.0979 | 2.2    | 0.00 - 0.50             |
| 8N-00134        | 40205     | Th-232       | 1.08      | 0.0625 | 0.106  | 3.1    | 0.00 - 0.50             |
| 8N-00134        | 40205     | Th-234       | 1.07 J    | 0.488  | 0.314  | 3.19   | 0.00 - 0.50             |
| 8N-00134        | 40205     | Tl-208       | 0.481     | 0.0241 | 0.0301 | 0.937  | 0.00 - 0.50             |
| 8N-00134        | 40205     | Tm-171       | -17.8 U   | 29.9   | 10.5   | 72.4   | 0.00 - 0.50             |
| 8N-00134        | 40205     | U-233/234    | 0.721     | 0.0144 | 0.0814 | 2.02   | 0.00 - 0.50             |
| 8N-00134        | 40205     | U-235/236    | 0.0743    | 0.042  | 0.0239 | 0.151  | 0.00 - 0.50             |
| 8N-00134        | 40205     | U-238        | 0.669     | 0.042  | 0.0777 | 1.8    | 0.00 - 0.50             |
| 8N-00135        | 40207     | Ac-227       | -0.0268 U | 0.196  | 0.0585 | 0.217  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Am-241       | 0.0135    | 0.0118 | 0.0055 | 0.0454 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Bi-212       | 0.925 J   | 0.177  | 0.0926 | 2.15   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Bi-214       | 0.826 J   | 0.0311 | 0.0419 | 1.59   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Cd-113m      | -4.86 U   | 134    | 40.9   | 3030   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Cm-243/244   | 0.0057    | 0.0052 | 0.0033 | 0.0443 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Co-60        | 0.0069 U  | 0.0217 | 0.0064 | 0.028  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Cs-134       | 0.0056 U  | 0.0183 | 0.0062 | 0.0864 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00135        | 40207     | Cs-137       | 0.0294     | 0.0172 | 0.0076 | 0.207  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Eu-152       | -0.0016 U  | 0.0485 | 0.0166 | 0.0566 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Eu-154       | -0.0626 U  | 0.108  | 0.0357 | 0.15   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Eu-155       | 0.0582 JS  | 0.0772 | 0.0268 | 0.231  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Ho-166m      | -0.0029 U  | 0.0274 | 0.0082 | 0.0432 | 0.00 - 0.50             |
| 8N-00135        | 40207     | K-40         | 20.4       | 0.15   | 1.23   | 32.4   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Na-22        | -0.001 U   | 0.0257 | 0.0076 | 0.037  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Nb-94        | -0.0046 U  | 0.0155 | 0.0048 | 0.0214 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Ni-59        | -2 U       | 3.88   | 1.27   | 5.96   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Ni-63        | 0.599      | 1.14   | 0.353  | 4.92   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Np-236       | 0.0004 U   | 0.0371 | 0.0113 | 0.047  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Np-239       | -0.0873 UJ | 0.127  | 0.0433 | 0.139  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Pa-231       | 0.0059 U   | 0.818  | 0.251  | 0.936  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Pb-212       | 1.64       | 0.0414 | 0.11   | 2.69   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Pb-214       | 0.842      | 0.0342 | 0.0461 | 1.7    | 0.00 - 0.50             |
| 8N-00135        | 40207     | Pu-238       | 0.0014 U   | 0.0203 | 0.0045 | 0.0415 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Pu-239/240   | 0.0033 U   | 0.0163 | 0.0041 | 0.0404 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Pu-244       | 0.0033 U   | 0.0163 | 0.0041 | 0.0313 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Sb-125       | 0.0356 JS  | 0.0527 | 0.0175 | 0.354  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Sn-126       | 0.0048 U   | 0.0186 | 0.0055 | 0.0237 | 0.00 - 0.50             |
| 8N-00135        | 40207     | Sr-90        | 0.0482 U   | 0.222  | 0.063  | 0.485  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Tc-99        | -0.264 U   | 1.03   | 0.278  | 1.63   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Th-228       | 1.8        | 0.109  | 0.167  | 3.98   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Th-229       | 0.0358     | 0.0771 | 0.0238 | 0.145  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Th-230       | 0.786      | 0.0769 | 0.0895 | 2.2    | 0.00 - 0.50             |
| 8N-00135        | 40207     | Th-232       | 1.25       | 0.0193 | 0.119  | 3.1    | 0.00 - 0.50             |
| 8N-00135        | 40207     | Th-234       | 1.57 J     | 0.37   | 0.408  | 3.19   | 0.00 - 0.50             |
| 8N-00135        | 40207     | Tl-208       | 0.519      | 0.0219 | 0.0306 | 0.937  | 0.00 - 0.50             |
| 8N-00135        | 40207     | Tm-171       | 2.89 U     | 18.7   | 5.6    | 72.4   | 0.00 - 0.50             |
| 8N-00135        | 40207     | U-233/234    | 0.821      | 0.0405 | 0.0951 | 2.02   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00135        | 40207     | U-235/236    | 0.0494    | 0.0501 | 0.0219 | 0.151  | 0.00 - 0.50             |
| 8N-00135        | 40207     | U-238        | 0.809     | 0.0405 | 0.0941 | 1.8    | 0.00 - 0.50             |
| 8N-00135        | 40208     | Ac-227       | -0.0981 U | 0.174  | 0.0571 | 0.217  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Am-241       | 0.0075    | 0.0068 | 0.0044 | 0.0454 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Bi-212       | 0.896 J   | 0.16   | 0.104  | 2.15   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Bi-214       | 0.698     | 0.0266 | 0.0353 | 1.59   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Cd-113m      | -9.14 U   | 117    | 34.4   | 3030   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Cm-243/244   | 0.0084    | 0.0164 | 0.0055 | 0.0443 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Co-60        | -0.0018 U | 0.0193 | 0.0057 | 0.028  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Cs-134       | -0.0055 U | 0.0166 | 0.0059 | 0.0864 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Cs-137       | 0.0049 U  | 0.017  | 0.0058 | 0.207  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Eu-152       | 0.0063 U  | 0.0447 | 0.0138 | 0.0566 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Eu-154       | -0.0426 U | 0.104  | 0.0325 | 0.15   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Eu-155       | 0.0515 JS | 0.0676 | 0.0233 | 0.231  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Ho-166m      | 0.0062 U  | 0.0264 | 0.0078 | 0.0432 | 1.00 - 3.00             |
| 8N-00135        | 40208     | K-40         | 21        | 0.127  | 1.29   | 32.4   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Na-22        | -0.0049 U | 0.0239 | 0.0073 | 0.037  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Nb-94        | -0.004 U  | 0.0146 | 0.0045 | 0.0214 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Ni-59        | -0.175 U  | 5.11   | 1.44   | 5.96   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Ni-63        | 0.499 U   | 1.2    | 0.365  | 4.92   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Np-236       | -0.0165 U | 0.0318 | 0.0105 | 0.047  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Np-239       | 0.0089 UJ | 0.116  | 0.0339 | 0.139  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Pa-231       | 0.0687 U  | 0.735  | 0.217  | 0.936  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Pb-212       | 1.6       | 0.0358 | 0.0956 | 2.69   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Pb-214       | 0.714     | 0.0301 | 0.0363 | 1.7    | 1.00 - 3.00             |
| 8N-00135        | 40208     | Pu-238       | 0.0091    | 0.0214 | 0.0065 | 0.0415 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Pu-239/240   | -0.0004 U | 0.0213 | 0.0044 | 0.0404 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Pu-244       | 0         | 0.0064 | 0.0024 | 0.0313 | 1.00 - 3.00             |
| 8N-00135        | 40208     | Sb-125       | -0.0088 U | 0.0458 | 0.0141 | 0.354  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Sn-126       | -0.0059 U | 0.0164 | 0.0052 | 0.0237 | 1.00 - 3.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00135        | 40208     | Sr-90        | 0.143      | 0.153  | 0.0523 | 0.485  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Tc-99        | 0.372 U    | 0.932  | 0.283  | 1.63   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Th-228       | 1.42       | 0.0788 | 0.138  | 3.98   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Th-229       | -0.0205 U  | 0.0736 | 0.0137 | 0.145  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Th-230       | 0.661      | 0.0502 | 0.0779 | 2.2    | 1.00 - 3.00             |
| 8N-00135        | 40208     | Th-232       | 1.27       | 0.0184 | 0.119  | 3.1    | 1.00 - 3.00             |
| 8N-00135        | 40208     | Th-234       | 1.37 J     | 0.27   | 0.152  | 3.19   | 1.00 - 3.00             |
| 8N-00135        | 40208     | Tl-208       | 0.507      | 0.019  | 0.0289 | 0.937  | 1.00 - 3.00             |
| 8N-00135        | 40208     | Tm-171       | -1.82 U    | 15.9   | 5.23   | 72.4   | 1.00 - 3.00             |
| 8N-00135        | 40208     | U-233/234    | 0.736      | 0.0525 | 0.0899 | 2.02   | 1.00 - 3.00             |
| 8N-00135        | 40208     | U-235/236    | 0.0741     | 0.0223 | 0.0253 | 0.151  | 1.00 - 3.00             |
| 8N-00135        | 40208     | U-238        | 0.806      | 0.018  | 0.0951 | 1.8    | 1.00 - 3.00             |
| 8N-00136        | 40251     | Ac-227       | -0.0048 U  | 0.156  | 0.048  | 0.217  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Am-241       | 0.005      | 0.014  | 0.0041 | 0.0454 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Bi-212       | 1.05       | 0.154  | 0.099  | 2.15   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Bi-214       | 0.923      | 0.027  | 0.0456 | 1.59   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Cd-113m      | 12.3 U     | 103    | 31.7   | 3030   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Cm-243/244   | 0.008      | 0.0177 | 0.0055 | 0.0443 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Co-60        | 0 U        | 0.0185 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Cs-134       | 0.0028 U   | 0.0168 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Cs-137       | -0.0119 UJ | 0.0169 | 0.0057 | 0.207  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Eu-152       | -0.0107 UJ | 0.0399 | 0.0145 | 0.0566 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Eu-154       | -0.0276 U  | 0.0986 | 0.0306 | 0.15   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Eu-155       | 0.0524 JS  | 0.0532 | 0.0196 | 0.231  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Ho-166m      | 0.0097 U   | 0.0261 | 0.0078 | 0.0432 | 0.00 - 0.50             |
| 8N-00136        | 40251     | K-40         | 18         | 0.122  | 0.972  | 32.4   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Na-22        | -0.0078 U  | 0.0234 | 0.0072 | 0.037  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Nb-94        | 0.0024 U   | 0.0144 | 0.0042 | 0.0214 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Np-236       | -0.002 U   | 0.0257 | 0.0075 | 0.047  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Np-239       | -0.0088 U  | 0.101  | 0.0309 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00136        | 40251     | Pa-231       | -0.184 U  | 0.637  | 0.204  | 0.936  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Pb-212       | 1.59      | 0.033  | 0.0886 | 2.69   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Pb-214       | 0.961     | 0.028  | 0.046  | 1.7    | 0.00 - 0.50             |
| 8N-00136        | 40251     | Pu-238       | 0.0032 UJ | 0.044  | 0.0114 | 0.0415 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Pu-239/240   | 0.0067    | 0.0188 | 0.0055 | 0.0404 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Pu-244       | 0.0059    | 0.008  | 0.0042 | 0.0313 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Sb-125       | -0.0098 U | 0.0436 | 0.0132 | 0.354  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Sn-126       | 0.0003 U  | 0.0163 | 0.0047 | 0.0237 | 0.00 - 0.50             |
| 8N-00136        | 40251     | Sr-90        | 0.0351 U  | 0.191  | 0.0551 | 0.485  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Th-228       | 1.58 J    | 0.086  | 0.168  | 3.98   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Th-229       | 0.056     | 0.0687 | 0.0266 | 0.145  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Th-230       | 0.81      | 0.0252 | 0.1    | 2.2    | 0.00 - 0.50             |
| 8N-00136        | 40251     | Th-232       | 1.46      | 0.0251 | 0.147  | 3.1    | 0.00 - 0.50             |
| 8N-00136        | 40251     | Th-234       | 1.39      | 0.18   | 0.13   | 3.19   | 0.00 - 0.50             |
| 8N-00136        | 40251     | Tl-208       | 0.491     | 0.0189 | 0.0306 | 0.937  | 0.00 - 0.50             |
| 8N-00136        | 40251     | Tm-171       | -1.46 U   | 7.02   | 2.43   | 72.4   | 0.00 - 0.50             |
| 8N-00136        | 40251     | U-233/234    | 0.914     | 0.0517 | 0.104  | 2.02   | 0.00 - 0.50             |
| 8N-00136        | 40251     | U-235/236    | 0.0104 UJ | 0.0516 | 0.0129 | 0.151  | 0.00 - 0.50             |
| 8N-00136        | 40251     | U-238        | 1.02      | 0.0418 | 0.112  | 1.8    | 0.00 - 0.50             |
| 8N-00136        | 40252     | Ac-227       | -0.037 U  | 0.162  | 0.0485 | 0.217  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Am-241       | 0.0046    | 0.013  | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Bi-212       | 0.919     | 0.132  | 0.0814 | 2.15   | 1.00 - 5.00             |
| 8N-00136        | 40252     | Bi-214       | 0.785     | 0.0245 | 0.0376 | 1.59   | 1.00 - 5.00             |
| 8N-00136        | 40252     | Cd-113m      | 47.2 U    | 108    | 34.2   | 3030   | 1.00 - 5.00             |
| 8N-00136        | 40252     | Cm-243/244   | 0.0047 U  | 0.0271 | 0.0073 | 0.0443 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Co-60        | -0.0027 U | 0.0161 | 0.0047 | 0.028  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Cs-134       | 0.0008 U  | 0.0145 | 0.005  | 0.0864 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Cs-137       | -0.0002 U | 0.0146 | 0.0048 | 0.207  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Eu-152       | 0.0088 U  | 0.0391 | 0.0121 | 0.0566 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Eu-154       | 0.0127 U  | 0.0896 | 0.0265 | 0.15   | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00136        | 40252     | Eu-155       | 0.0458 JS  | 0.0569 | 0.0216 | 0.231  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Ho-166m      | 0.0139 JS  | 0.0223 | 0.0071 | 0.0432 | 1.00 - 5.00             |
| 8N-00136        | 40252     | K-40         | 23.1       | 0.112  | 1.3    | 32.4   | 1.00 - 5.00             |
| 8N-00136        | 40252     | Na-22        | -0.0011 U  | 0.0213 | 0.0064 | 0.037  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Nb-94        | 0.0111 J   | 0.013  | 0.0045 | 0.0214 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Np-236       | 0.0037 U   | 0.0295 | 0.009  | 0.047  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Np-239       | -0.0365 U  | 0.104  | 0.0319 | 0.139  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Pa-231       | 0.182 U    | 0.656  | 0.202  | 0.936  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Pb-212       | 1.5        | 0.0324 | 0.09   | 2.69   | 1.00 - 5.00             |
| 8N-00136        | 40252     | Pb-214       | 0.835      | 0.0269 | 0.0411 | 1.7    | 1.00 - 5.00             |
| 8N-00136        | 40252     | Pu-238       | -0.0014 U  | 0.0123 | 0.0024 | 0.0415 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Pu-239/240   | 0.0027 U   | 0.021  | 0.0053 | 0.0404 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Pu-244       | -0.0008 UJ | 0.0152 | 0.0028 | 0.0313 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Sb-125       | 0.004 UJ   | 0.0401 | 0.012  | 0.354  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Sn-126       | 0.0028 U   | 0.0136 | 0.0039 | 0.0237 | 1.00 - 5.00             |
| 8N-00136        | 40252     | Sr-90        | -0.0213 U  | 0.158  | 0.041  | 0.485  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Th-228       | 1.53 J     | 0.0286 | 0.157  | 3.98   | 1.00 - 5.00             |
| 8N-00136        | 40252     | Th-229       | 0.034      | 0.079  | 0.0241 | 0.145  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Th-230       | 0.857      | 0.0788 | 0.101  | 2.2    | 1.00 - 5.00             |
| 8N-00136        | 40252     | Th-232       | 1.27       | 0.0229 | 0.129  | 3.1    | 1.00 - 5.00             |
| 8N-00136        | 40252     | Th-234       | 1.27 J     | 0.22   | 0.128  | 3.19   | 1.00 - 5.00             |
| 8N-00136        | 40252     | Tl-208       | 0.455      | 0.0158 | 0.0256 | 0.937  | 1.00 - 5.00             |
| 8N-00136        | 40252     | Tm-171       | -5.93 U    | 10.6   | 3.87   | 72.4   | 1.00 - 5.00             |
| 8N-00136        | 40252     | U-233/234    | 0.733      | 0.0823 | 0.107  | 2.02   | 1.00 - 5.00             |
| 8N-00136        | 40252     | U-235/236    | 0.0774     | 0.035  | 0.0322 | 0.151  | 1.00 - 5.00             |
| 8N-00136        | 40252     | U-238        | 0.687      | 0.0945 | 0.103  | 1.8    | 1.00 - 5.00             |
| 8N-00136        | 40258     | Ac-227       | -0.0553 U  | 0.168  | 0.0537 | 0.217  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Am-241       | 0.0002 U   | 0.0205 | 0.0046 | 0.0454 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Bi-212       | 0.941      | 0.139  | 0.0843 | 2.15   | 1.00 - 5.00             |
| 8N-00136        | 40258     | Bi-214       | 0.892      | 0.025  | 0.0419 | 1.59   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00136        | 40258     | Cd-113m      | 103 J      | 117    | 42.6   | 3030   | 1.00 - 5.00             |
| 8N-00136        | 40258     | Cm-243/244   | 0.0106 U   | 0.031  | 0.009  | 0.0443 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Co-60        | -0.0004 U  | 0.017  | 0.0051 | 0.028  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Cs-134       | 0.0014 U   | 0.015  | 0.0051 | 0.0864 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Cs-137       | -0.003 U   | 0.0144 | 0.0051 | 0.207  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Eu-152       | 0.0148 U   | 0.0425 | 0.0135 | 0.0566 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Eu-154       | -0.0394 U  | 0.0933 | 0.0297 | 0.15   | 1.00 - 5.00             |
| 8N-00136        | 40258     | Eu-155       | 0.0857 JS  | 0.0622 | 0.0284 | 0.231  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Ho-166m      | 0.0008 U   | 0.0234 | 0.0071 | 0.0432 | 1.00 - 5.00             |
| 8N-00136        | 40258     | K-40         | 23.8       | 0.121  | 1.35   | 32.4   | 1.00 - 5.00             |
| 8N-00136        | 40258     | Na-22        | 0.0096 U   | 0.0229 | 0.0077 | 0.037  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Nb-94        | 0.0077 J   | 0.0138 | 0.0045 | 0.0214 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Np-236       | -0.0026 U  | 0.0315 | 0.0093 | 0.047  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Np-239       | 0.0408 U   | 0.112  | 0.0351 | 0.139  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Pa-231       | 0.132 U    | 0.683  | 0.211  | 0.936  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Pb-212       | 1.6        | 0.035  | 0.0958 | 2.69   | 1.00 - 5.00             |
| 8N-00136        | 40258     | Pb-214       | 0.981      | 0.0294 | 0.0472 | 1.7    | 1.00 - 5.00             |
| 8N-00136        | 40258     | Pu-238       | 0.0014 U   | 0.0203 | 0.0045 | 0.0415 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Pu-239/240   | -0.0023 U  | 0.0256 | 0.0052 | 0.0404 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Pu-244       | 0.0033 UJ  | 0.0163 | 0.0041 | 0.0313 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Sb-125       | -0.0064 UJ | 0.0432 | 0.0128 | 0.354  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Sn-126       | -0.0025 U  | 0.0151 | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8N-00136        | 40258     | Sr-90        | -0.0414 U  | 0.199  | 0.0498 | 0.485  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Th-228       | 1.48 J     | 0.14   | 0.158  | 3.98   | 1.00 - 5.00             |
| 8N-00136        | 40258     | Th-229       | -0.0086 U  | 0.103  | 0.0228 | 0.145  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Th-230       | 0.979      | 0.0633 | 0.11   | 2.2    | 1.00 - 5.00             |
| 8N-00136        | 40258     | Th-232       | 1.08       | 0.0232 | 0.116  | 3.1    | 1.00 - 5.00             |
| 8N-00136        | 40258     | Th-234       | 1.28 J     | 0.248  | 0.137  | 3.19   | 1.00 - 5.00             |
| 8N-00136        | 40258     | Tl-208       | 0.465      | 0.0185 | 0.0266 | 0.937  | 1.00 - 5.00             |
| 8N-00136        | 40258     | Tm-171       | 1.03 U     | 14     | 4.81   | 72.4   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00136        | 40258     | U-233/234    | 0.731      | 0.0866 | 0.103  | 2.02   | 1.00 - 5.00             |
| 8N-00136        | 40258     | U-235/236    | 0.0066 UJ  | 0.0933 | 0.0206 | 0.151  | 1.00 - 5.00             |
| 8N-00136        | 40258     | U-238        | 0.646      | 0.0754 | 0.0951 | 1.8    | 1.00 - 5.00             |
| 8N-00137        | 40253     | Ac-227       | -0.0953 U  | 0.224  | 0.0707 | 0.217  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Am-241       | 0.0099     | 0.0147 | 0.0055 | 0.0454 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Bi-212       | 0.84 J     | 0.219  | 0.101  | 2.15   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Bi-214       | 0.743      | 0.0368 | 0.0417 | 1.59   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Cd-113m      | 29.9 U     | 158    | 46.9   | 3030   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Cm-243/244   | 0.0024     | 0.0064 | 0.0024 | 0.0443 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Co-60        | -0.0033 U  | 0.0247 | 0.0073 | 0.028  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Cs-134       | -0.0066 U  | 0.0222 | 0.0077 | 0.0864 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Cs-137       | 0.878      | 0.0221 | 0.0533 | 0.207  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Eu-152       | -0.0338 UJ | 0.0567 | 0.0205 | 0.0566 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Eu-154       | -0.0484 U  | 0.131  | 0.042  | 0.15   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Eu-155       | 0.063 JS   | 0.075  | 0.0286 | 0.231  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Ho-166m      | 0.0194 JS  | 0.0329 | 0.0103 | 0.0432 | 0.00 - 0.50             |
| 8N-00137        | 40253     | K-40         | 18         | 0.167  | 1.05   | 32.4   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Na-22        | 0.0107 U   | 0.0305 | 0.0089 | 0.037  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Nb-94        | -0.0021 U  | 0.0187 | 0.0055 | 0.0214 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Np-236       | -0.0066 U  | 0.0389 | 0.0121 | 0.047  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Np-239       | -0.0792 U  | 0.142  | 0.0463 | 0.139  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Pa-231       | -0.286 U   | 0.897  | 0.298  | 0.936  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Pb-212       | 1.43       | 0.0484 | 0.0865 | 2.69   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Pb-214       | 0.8        | 0.0403 | 0.043  | 1.7    | 0.00 - 0.50             |
| 8N-00137        | 40253     | Pu-238       | 0.0006 U   | 0.0135 | 0.0026 | 0.0415 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Pu-239/240   | 0.009      | 0.0134 | 0.005  | 0.0404 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Pu-244       | 0.0042     | 0.0057 | 0.003  | 0.0313 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Sb-125       | 0.0048 U   | 0.0666 | 0.0201 | 0.354  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Sn-126       | -0.014 UJ  | 0.0197 | 0.0069 | 0.0237 | 0.00 - 0.50             |
| 8N-00137        | 40253     | Sr-90        | 0.166      | 0.165  | 0.0572 | 0.485  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00137        | 40253     | Th-228       | 0.675     | 0.093  | 0.0937 | 3.98   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Th-229       | 0         | 0.0217 | 0.008  | 0.145  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Th-230       | 0.367     | 0.0216 | 0.0584 | 2.2    | 0.00 - 0.50             |
| 8N-00137        | 40253     | Th-232       | 0.565     | 0.0216 | 0.0751 | 3.1    | 0.00 - 0.50             |
| 8N-00137        | 40253     | Th-234       | 1.11 J    | 0.293  | 0.139  | 3.19   | 0.00 - 0.50             |
| 8N-00137        | 40253     | Tl-208       | 0.49      | 0.025  | 0.0317 | 0.937  | 0.00 - 0.50             |
| 8N-00137        | 40253     | Tm-171       | -5.63 U   | 15.1   | 5.29   | 72.4   | 0.00 - 0.50             |
| 8N-00137        | 40253     | U-233/234    | 0.33      | 0.0447 | 0.0504 | 2.02   | 0.00 - 0.50             |
| 8N-00137        | 40253     | U-235/236    | 0.0129 U  | 0.0634 | 0.0165 | 0.151  | 0.00 - 0.50             |
| 8N-00137        | 40253     | U-238        | 0.346     | 0.0154 | 0.0511 | 1.8    | 0.00 - 0.50             |
| 8N-00137        | 40254     | Ac-227       | -0.0642 U | 0.164  | 0.0506 | 0.217  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Am-241       | 0.0191    | 0.0157 | 0.007  | 0.0454 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Bi-212       | 1.03      | 0.133  | 0.0805 | 2.15   | 1.00 - 5.00             |
| 8N-00137        | 40254     | Bi-214       | 0.847     | 0.0237 | 0.0398 | 1.59   | 1.00 - 5.00             |
| 8N-00137        | 40254     | Cd-113m      | 13.5 U    | 111    | 32.3   | 3030   | 1.00 - 5.00             |
| 8N-00137        | 40254     | Cm-243/244   | 0.0122    | 0.0055 | 0.005  | 0.0443 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Co-60        | 0.0036 U  | 0.0172 | 0.0051 | 0.028  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Cs-134       | -0.0081 U | 0.0143 | 0.0055 | 0.0864 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Cs-137       | -0.0026 U | 0.0142 | 0.005  | 0.207  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Eu-152       | -0.0041 U | 0.0402 | 0.0135 | 0.0566 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Eu-154       | 0.0241 U  | 0.0834 | 0.0279 | 0.15   | 1.00 - 5.00             |
| 8N-00137        | 40254     | Eu-155       | 0.0626 JS | 0.0646 | 0.0242 | 0.231  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Ho-166m      | -0.0058 U | 0.0225 | 0.0071 | 0.0432 | 1.00 - 5.00             |
| 8N-00137        | 40254     | K-40         | 20.8      | 0.0967 | 1.16   | 32.4   | 1.00 - 5.00             |
| 8N-00137        | 40254     | Na-22        | -0.0037 U | 0.0205 | 0.0062 | 0.037  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Nb-94        | 0.0031 U  | 0.0133 | 0.0041 | 0.0214 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Np-236       | 0.0032 U  | 0.0315 | 0.0095 | 0.047  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Np-239       | 0.0411 U  | 0.11   | 0.0353 | 0.139  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Pa-231       | 0.0404 U  | 0.679  | 0.198  | 0.936  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Pb-212       | 1.68      | 0.0339 | 0.0985 | 2.69   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00137        | 40254     | Pb-214       | 0.942      | 0.0285 | 0.0449 | 1.7    | 1.00 - 5.00             |
| 8N-00137        | 40254     | Pu-238       | 0.0043 U   | 0.0219 | 0.0056 | 0.0415 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Pu-239/240   | 0.0055     | 0.0075 | 0.0039 | 0.0404 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Pu-244       | 0.0098 J   | 0.0218 | 0.0068 | 0.0313 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Sb-125       | -0.0088 UJ | 0.0417 | 0.0127 | 0.354  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Sn-126       | -0.008 U   | 0.014  | 0.0048 | 0.0237 | 1.00 - 5.00             |
| 8N-00137        | 40254     | Sr-90        | 0.296      | 0.131  | 0.0621 | 0.485  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Th-228       | 1.88 J     | 0.222  | 0.211  | 3.98   | 1.00 - 5.00             |
| 8N-00137        | 40254     | Th-229       | 0.0525 UJ  | 0.151  | 0.0441 | 0.145  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Th-230       | 0.78       | 0.114  | 0.108  | 2.2    | 1.00 - 5.00             |
| 8N-00137        | 40254     | Th-232       | 1.26       | 0.027  | 0.144  | 3.1    | 1.00 - 5.00             |
| 8N-00137        | 40254     | Th-234       | 1.66       | 0.246  | 0.161  | 3.19   | 1.00 - 5.00             |
| 8N-00137        | 40254     | Tl-208       | 0.49       | 0.0172 | 0.0276 | 0.937  | 1.00 - 5.00             |
| 8N-00137        | 40254     | Tm-171       | -2.76 U    | 12.8   | 4.33   | 72.4   | 1.00 - 5.00             |
| 8N-00137        | 40254     | U-233/234    | 0.74       | 0.0645 | 0.0873 | 2.02   | 1.00 - 5.00             |
| 8N-00137        | 40254     | U-235/236    | 0.0658     | 0.0198 | 0.0225 | 0.151  | 1.00 - 5.00             |
| 8N-00137        | 40254     | U-238        | 0.753      | 0.0377 | 0.0873 | 1.8    | 1.00 - 5.00             |
| 8N-00138        | 40209     | Ac-227       | -0.114 U   | 0.182  | 0.0631 | 0.217  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Am-241       | 0.0018 U   | 0.03   | 0.0073 | 0.0454 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Bi-212       | 0.922      | 0.151  | 0.0816 | 2.15   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Bi-214       | 1.03       | 0.0276 | 0.0486 | 1.59   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Cd-113m      | 9.97 U     | 124    | 38     | 3030   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Cm-243/244   | 0.0154     | 0.0238 | 0.0082 | 0.0443 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Co-60        | 0.0004 U   | 0.0195 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Cs-134       | -0.0057 U  | 0.0173 | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Cs-137       | 0.0867     | 0.0167 | 0.009  | 0.207  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Eu-152       | -0.0031 U  | 0.0448 | 0.0134 | 0.0566 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Eu-154       | -0.0567 U  | 0.0938 | 0.0317 | 0.15   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Eu-155       | 0.0676 JS  | 0.0706 | 0.0258 | 0.231  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Ho-166m      | -0.0039 U  | 0.0244 | 0.0075 | 0.0432 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00138        | 40209     | K-40         | 22.6      | 0.132  | 1.29   | 32.4   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Na-22        | -0.0194 U | 0.0239 | 0.01   | 0.037  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Nb-94        | 0.005 U   | 0.0144 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Ni-59        | -0.0491 U | 3.35   | 0.883  | 5.96   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Ni-63        | -0.097 U  | 1.17   | 0.348  | 4.92   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Np-236       | -0.0149 U | 0.0334 | 0.0105 | 0.047  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Np-239       | -0.0171 U | 0.119  | 0.0366 | 0.139  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Pa-231       | -0.0988 U | 0.72   | 0.224  | 0.936  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Pb-212       | 1.61      | 0.0381 | 0.0963 | 2.69   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Pb-214       | 1.13      | 0.03   | 0.0543 | 1.7    | 0.00 - 0.50             |
| 8N-00138        | 40209     | Pu-238       | 0.0022    | 0.0058 | 0.0022 | 0.0415 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Pu-239/240   | 0.0113    | 0.0136 | 0.0055 | 0.0404 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Pu-244       | 0.0064    | 0.0058 | 0.0037 | 0.0313 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Sb-125       | -0.0064 U | 0.0478 | 0.0142 | 0.354  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Sn-126       | -0.0059 U | 0.0155 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8N-00138        | 40209     | Sr-90        | 0.0355 U  | 0.153  | 0.0441 | 0.485  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Tc-99        | -0.0944 U | 1.5    | 0.437  | 1.63   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Th-228       | 1.33      | 0.142  | 0.13   | 3.98   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Th-229       | 0.0347    | 0.0759 | 0.0232 | 0.145  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Th-230       | 0.942     | 0.0425 | 0.0918 | 2.2    | 0.00 - 0.50             |
| 8N-00138        | 40209     | Th-232       | 1.04      | 0.0156 | 0.0979 | 3.1    | 0.00 - 0.50             |
| 8N-00138        | 40209     | Th-234       | 1.34 J    | 0.269  | 0.146  | 3.19   | 0.00 - 0.50             |
| 8N-00138        | 40209     | Tl-208       | 0.468     | 0.0203 | 0.0277 | 0.937  | 0.00 - 0.50             |
| 8N-00138        | 40209     | Tm-171       | -9.49 U   | 15     | 5.75   | 72.4   | 0.00 - 0.50             |
| 8N-00138        | 40209     | U-233/234    | 0.89      | 0.0428 | 0.0959 | 2.02   | 0.00 - 0.50             |
| 8N-00138        | 40209     | U-235/236    | 0.0201    | 0.0182 | 0.0117 | 0.151  | 0.00 - 0.50             |
| 8N-00138        | 40209     | U-238        | 0.913     | 0.0346 | 0.0975 | 1.8    | 0.00 - 0.50             |
| 8N-00139        | 40211     | Ac-227       | -0.0071 U | 0.174  | 0.0508 | 0.217  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Am-241       | 0.0033 U  | 0.0166 | 0.0041 | 0.0454 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Bi-212       | 1.01      | 0.148  | 0.0916 | 2.15   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00139        | 40211     | Bi-214       | 0.964     | 0.0267 | 0.0452 | 1.59   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Cd-113m      | 7.56 U    | 118    | 34.2   | 3030   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Cm-243/244   | 0.0042 U  | 0.0211 | 0.0054 | 0.0443 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Co-60        | -0.0074 U | 0.0172 | 0.0056 | 0.028  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Cs-134       | -0.0054 U | 0.0161 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Cs-137       | 0.0764    | 0.0162 | 0.0088 | 0.207  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Eu-152       | 0.0053 U  | 0.0428 | 0.0143 | 0.0566 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Eu-154       | -0.0372 U | 0.094  | 0.0297 | 0.15   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Eu-155       | 0.0537 JS | 0.0673 | 0.0237 | 0.231  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Ho-166m      | 0.0106 U  | 0.0241 | 0.0072 | 0.0432 | 0.00 - 0.50             |
| 8N-00139        | 40211     | K-40         | 22.3      | 0.107  | 1.25   | 32.4   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Na-22        | 0.0041 U  | 0.0234 | 0.0077 | 0.037  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Nb-94        | 0.0063 U  | 0.0137 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Ni-59        | -3.54 UJ  | 3.37   | 1.37   | 5.96   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Ni-63        | 0.468 U   | 1.2    | 0.366  | 4.92   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Np-236       | -0.0217 U | 0.032  | 0.0111 | 0.047  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Np-239       | -0.0008 U | 0.114  | 0.0329 | 0.139  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Pa-231       | 0.0225 U  | 0.711  | 0.208  | 0.936  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Pb-212       | 1.62      | 0.0376 | 0.0955 | 2.69   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Pb-214       | 1.01      | 0.0287 | 0.0473 | 1.7    | 0.00 - 0.50             |
| 8N-00139        | 40211     | Pu-238       | 0.0021    | 0.0057 | 0.0021 | 0.0415 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Pu-239/240   | 0.0208    | 0.0057 | 0.0067 | 0.0404 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Pu-244       | 0.0048    | 0.0133 | 0.0039 | 0.0313 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Sb-125       | 0.0118 U  | 0.0465 | 0.0139 | 0.354  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Sn-126       | -0.0045 U | 0.0146 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00139        | 40211     | Sr-90        | 0.0873    | 0.136  | 0.044  | 0.485  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Tc-99        | -0.257 U  | 1.51   | 0.434  | 1.63   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Th-228       | 1.21      | 0.111  | 0.116  | 3.98   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Th-229       | 0.0635    | 0.0492 | 0.0215 | 0.145  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Th-230       | 0.713     | 0.049  | 0.0744 | 2.2    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00139        | 40211     | Th-232       | 1.09      | 0.0143 | 0.098  | 3.1    | 0.00 - 0.50             |
| 8N-00139        | 40211     | Th-234       | 1.42 J    | 0.253  | 0.152  | 3.19   | 0.00 - 0.50             |
| 8N-00139        | 40211     | Tl-208       | 0.464     | 0.0181 | 0.0272 | 0.937  | 0.00 - 0.50             |
| 8N-00139        | 40211     | Tm-171       | -6.7 U    | 14     | 4.97   | 72.4   | 0.00 - 0.50             |
| 8N-00139        | 40211     | U-233/234    | 0.86      | 0.0408 | 0.0989 | 2.02   | 0.00 - 0.50             |
| 8N-00139        | 40211     | U-235/236    | 0.026     | 0.0504 | 0.0169 | 0.151  | 0.00 - 0.50             |
| 8N-00139        | 40211     | U-238        | 0.873     | 0.0698 | 0.101  | 1.8    | 0.00 - 0.50             |
| 8N-00140        | 40213     | Ac-227       | 0.0396 U  | 0.179  | 0.0527 | 0.217  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Am-241       | 0.0074    | 0.0163 | 0.0051 | 0.0454 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Bi-212       | 1.08      | 0.148  | 0.0977 | 2.15   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Bi-214       | 0.85 J    | 0.0276 | 0.0408 | 1.59   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Cd-113m      | 66.6 J    | 122    | 39.5   | 3030   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Cm-243/244   | 0.0042    | 0.0058 | 0.003  | 0.0443 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Co-60        | -0.0088 U | 0.0175 | 0.0056 | 0.028  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Cs-134       | 0.0114 JS | 0.0172 | 0.0063 | 0.0864 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Cs-137       | 0.0873    | 0.0166 | 0.0088 | 0.207  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Eu-152       | 0.0197 U  | 0.0447 | 0.0142 | 0.0566 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Eu-154       | -0.0572 U | 0.0972 | 0.0328 | 0.15   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Eu-155       | 0.0954 JS | 0.0629 | 0.0268 | 0.231  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Ho-166m      | -0.0035 U | 0.0242 | 0.0071 | 0.0432 | 0.00 - 0.50             |
| 8N-00140        | 40213     | K-40         | 22.8      | 0.135  | 1.29   | 32.4   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Na-22        | -0.0003 U | 0.0236 | 0.0071 | 0.037  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Nb-94        | 0.0067 U  | 0.0143 | 0.0043 | 0.0214 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Ni-59        | -0.556 U  | 4.66   | 1.29   | 5.96   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Ni-63        | 0.505 U   | 1.12   | 0.344  | 4.92   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Np-236       | 0.0045 U  | 0.0325 | 0.0099 | 0.047  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Np-239       | -0.01 U   | 0.116  | 0.0341 | 0.139  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Pa-231       | -0.0479 U | 0.713  | 0.21   | 0.936  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Pb-212       | 1.62      | 0.0415 | 0.0976 | 2.69   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Pb-214       | 0.932     | 0.03   | 0.0463 | 1.7    | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00140        | 40213     | Pu-238       | 0.0003 U | 0.0263 | 0.0059 | 0.0415 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Pu-239/240   | 0.0029 U | 0.0262 | 0.0064 | 0.0404 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Pu-244       | 0.0078   | 0.0071 | 0.0045 | 0.0313 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Sb-125       | 0.0042 U | 0.0471 | 0.014  | 0.354  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Sn-126       | 0.0072 U | 0.0159 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8N-00140        | 40213     | Sr-90        | 0.0582 U | 0.237  | 0.0679 | 0.485  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Tc-99        | -0.348 U | 1.37   | 0.374  | 1.63   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Th-228       | 1.51     | 0.124  | 0.149  | 3.98   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Th-229       | 0.0069 U | 0.0743 | 0.0183 | 0.145  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Th-230       | 0.937    | 0.0828 | 0.0996 | 2.2    | 0.00 - 0.50             |
| 8N-00140        | 40213     | Th-232       | 1.08     | 0.0186 | 0.107  | 3.1    | 0.00 - 0.50             |
| 8N-00140        | 40213     | Th-234       | 1.72     | 0.249  | 0.158  | 3.19   | 0.00 - 0.50             |
| 8N-00140        | 40213     | Tl-208       | 0.492    | 0.0186 | 0.0285 | 0.937  | 0.00 - 0.50             |
| 8N-00140        | 40213     | Tm-171       | 1.16 U   | 12.3   | 4.11   | 72.4   | 0.00 - 0.50             |
| 8N-00140        | 40213     | U-233/234    | 0.721    | 0.0851 | 0.0913 | 2.02   | 0.00 - 0.50             |
| 8N-00140        | 40213     | U-235/236    | 0.0085   | 0.023  | 0.0085 | 0.151  | 0.00 - 0.50             |
| 8N-00140        | 40213     | U-238        | 0.987    | 0.0621 | 0.112  | 1.8    | 0.00 - 0.50             |
| 8N-00140        | 40214     | Ac-227       | -0.0212  | 0.171  | 0.0521 | 0.217  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Am-241       | 0.0087   | 0.0129 | 0.0048 | 0.0454 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Bi-212       | 0.937    | 0.135  | 0.0892 | 2.15   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Bi-214       | 0.843    | 0.0259 | 0.0409 | 1.59   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Cd-113m      | 34.9     | 117    | 37.2   | 3030   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Cm-243/244   | 0.0029   | 0.0225 | 0.0057 | 0.0443 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Co-60        | 0        | 0.0168 | 0.0049 | 0.028  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Cs-134       | 0.0059   | 0.0152 | 0.0052 | 0.0864 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Cs-137       | 0.0194   | 0.0147 | 0.0067 | 0.207  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Eu-152       | -0.0231  | 0.0422 | 0.0161 | 0.0566 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Eu-154       | -0.0498  | 0.088  | 0.0289 | 0.15   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Eu-155       | 0.0814   | 0.0645 | 0.0254 | 0.231  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Ho-166m      | 0.0001   | 0.0233 | 0.0069 | 0.0432 | 1.00 - 4.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00140        | 40214     | K-40         | 18.9     | 0.113  | 1.07   | 32.4   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Na-22        | -0.0095  | 0.0213 | 0.0068 | 0.037  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Nb-94        | 0.007    | 0.0139 | 0.0044 | 0.0214 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Ni-59        | 0.245    | 4.38   | 1.22   | 5.96   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Ni-63        | 0.127    | 1.14   | 0.341  | 4.92   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Np-236       | -0.0063  | 0.0331 | 0.0102 | 0.047  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Np-239       | 0.0323   | 0.114  | 0.0348 | 0.139  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Pa-231       | -0.495   | 0.681  | 0.249  | 0.936  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Pb-212       | 1.43     | 0.0337 | 0.085  | 2.69   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Pb-214       | 0.888    | 0.0303 | 0.0432 | 1.7    | 1.00 - 4.00             |
| 8N-00140        | 40214     | Pu-238       | 0.0084   | 0.0198 | 0.006  | 0.0415 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Pu-239/240   | 0.0006   | 0.0139 | 0.0027 | 0.0404 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Pu-244       | 0.0152   | 0.0059 | 0.0058 | 0.0313 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Sb-125       | 0.016    | 0.0444 | 0.0133 | 0.354  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Sn-126       | -0.0053  | 0.0149 | 0.0047 | 0.0237 | 1.00 - 4.00             |
| 8N-00140        | 40214     | Sr-90        | -0.0108  | 0.161  | 0.0423 | 0.485  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Tc-99        | -0.858   | 1.61   | 0.45   | 1.63   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Th-228       | 1.46     | 0.137  | 0.153  | 3.98   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Th-229       | 0.0399   | 0.086  | 0.0266 | 0.145  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Th-230       | 0.773    | 0.0957 | 0.0943 | 2.2    | 1.00 - 4.00             |
| 8N-00140        | 40214     | Th-232       | 1.14     | 0.0215 | 0.118  | 3.1    | 1.00 - 4.00             |
| 8N-00140        | 40214     | Th-234       | 1.46     | 0.263  | 0.14   | 3.19   | 1.00 - 4.00             |
| 8N-00140        | 40214     | Tl-208       | 0.443    | 0.0171 | 0.0271 | 0.937  | 1.00 - 4.00             |
| 8N-00140        | 40214     | Tm-171       | -3       | 13     | 4.63   | 72.4   | 1.00 - 4.00             |
| 8N-00140        | 40214     | U-233/234    | 0.878    | 0.0561 | 0.0993 | 2.02   | 1.00 - 4.00             |
| 8N-00140        | 40214     | U-235/236    | 0.0536   | 0.0208 | 0.0207 | 0.151  | 1.00 - 4.00             |
| 8N-00140        | 40214     | U-238        | 0.845    | 0.0395 | 0.0962 | 1.8    | 1.00 - 4.00             |
| 8N-00140        | 40261     | Ac-227       | -0.104 U | 0.167  | 0.0557 | 0.217  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Am-241       | 0.0071   | 0.0157 | 0.0049 | 0.0454 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Bi-212       | 1        | 0.142  | 0.0889 | 2.15   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00140        | 40261     | Bi-214       | 0.836 J   | 0.0272 | 0.0395 | 1.59   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Cd-113m      | -22.8 U   | 113    | 33.6   | 3030   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Cm-243/244   | 0.0006 U  | 0.013  | 0.0025 | 0.0443 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Co-60        | -0.0081 U | 0.0162 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Cs-134       | 0.01 JS   | 0.0166 | 0.006  | 0.0864 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Cs-137       | 0.0948    | 0.0161 | 0.0088 | 0.207  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Eu-152       | 0.0242 J  | 0.0433 | 0.0147 | 0.0566 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Eu-154       | -0.0441 U | 0.0905 | 0.0296 | 0.15   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Eu-155       | 0.11 JS   | 0.0612 | 0.0263 | 0.231  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Ho-166m      | -0.0019 U | 0.0232 | 0.0068 | 0.0432 | 0.00 - 0.50             |
| 8N-00140        | 40261     | K-40         | 23.3      | 0.117  | 1.31   | 32.4   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Na-22        | -0.0003 U | 0.0222 | 0.0067 | 0.037  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Nb-94        | 0.0003 U  | 0.0135 | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Ni-59        | -0.135 U  | 4.44   | 1.24   | 5.96   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Ni-63        | 0.461 U   | 1.23   | 0.374  | 4.92   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Np-236       | 0.0075 U  | 0.0315 | 0.0097 | 0.047  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Np-239       | -0.0269 U | 0.111  | 0.0333 | 0.139  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Pa-231       | -0.0249 U | 0.679  | 0.207  | 0.936  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Pb-212       | 1.66      | 0.0364 | 0.0998 | 2.69   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Pb-214       | 0.952     | 0.0283 | 0.0458 | 1.7    | 0.00 - 0.50             |
| 8N-00140        | 40261     | Pu-238       | 0.0029 U  | 0.0142 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Pu-239/240   | 0.0145    | 0.0175 | 0.0067 | 0.0404 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Pu-244       | 0.0022    | 0.006  | 0.0022 | 0.0313 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Sb-125       | 0.0115 U  | 0.0476 | 0.0143 | 0.354  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Sn-126       | -0.0022 U | 0.0151 | 0.0044 | 0.0237 | 0.00 - 0.50             |
| 8N-00140        | 40261     | Sr-90        | -0.0823 U | 0.256  | 0.0616 | 0.485  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Tc-99        | -0.0447 U | 1.28   | 0.362  | 1.63   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Th-228       | 1.67 J    | 0.16   | 0.182  | 3.98   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Th-229       | 0.0096 UJ | 0.0893 | 0.0215 | 0.145  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Th-230       | 0.854     | 0.0706 | 0.106  | 2.2    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8N-00140        | 40261     | Th-232       | 1.12      | 0.0704 | 0.126  | 3.1    | 0.00 - 0.50             |
| 8N-00140        | 40261     | Th-234       | 1.3 J     | 0.238  | 0.133  | 3.19   | 0.00 - 0.50             |
| 8N-00140        | 40261     | Tl-208       | 0.482     | 0.0178 | 0.028  | 0.937  | 0.00 - 0.50             |
| 8N-00140        | 40261     | Tm-171       | -7.82 U   | 12     | 4.49   | 72.4   | 0.00 - 0.50             |
| 8N-00140        | 40261     | U-233/234    | 0.854     | 0.0483 | 0.0969 | 2.02   | 0.00 - 0.50             |
| 8N-00140        | 40261     | U-235/236    | 0.053     | 0.0205 | 0.0204 | 0.151  | 0.00 - 0.50             |
| 8N-00140        | 40261     | U-238        | 0.827     | 0.0166 | 0.0943 | 1.8    | 0.00 - 0.50             |
| 8N-00141        | 40215     | Ac-227       | -0.0322 U | 0.247  | 0.0739 | 0.217  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Am-241       | 0.0045    | 0.0061 | 0.0032 | 0.0454 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Bi-212       | 1.12 J    | 0.222  | 0.121  | 2.15   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Bi-214       | 0.959     | 0.0387 | 0.0493 | 1.59   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Cd-113m      | 31.5 U    | 165    | 55.5   | 3030   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Cm-243/244   | 0.0023    | 0.0063 | 0.0023 | 0.0443 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Co-60        | 0.0065 U  | 0.0257 | 0.0075 | 0.028  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Cs-134       | 0.0014 U  | 0.0233 | 0.0078 | 0.0864 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Cs-137       | 0.0285    | 0.0235 | 0.0084 | 0.207  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Eu-152       | 0.0043 U  | 0.0625 | 0.0203 | 0.0566 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Eu-154       | -0.0246 U | 0.136  | 0.0403 | 0.15   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Eu-155       | 0.0912 JS | 0.0916 | 0.0336 | 0.231  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Ho-166m      | -0.0064 U | 0.0332 | 0.0101 | 0.0432 | 0.00 - 0.50             |
| 8N-00141        | 40215     | K-40         | 21.4      | 0.175  | 1.34   | 32.4   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Na-22        | -0.0078 U | 0.0343 | 0.0105 | 0.037  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Nb-94        | -0.007 U  | 0.0199 | 0.0063 | 0.0214 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Ni-59        | -0.486 U  | 3.95   | 1.1    | 5.96   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Ni-63        | 0.0669 U  | 1.01   | 0.299  | 4.92   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Np-236       | 0.0162 U  | 0.0459 | 0.0144 | 0.047  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Np-239       | -0.0199 U | 0.161  | 0.0479 | 0.139  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Pa-231       | -0.284 U  | 1.02   | 0.327  | 0.936  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Pb-212       | 1.82      | 0.0521 | 0.119  | 2.69   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Pb-214       | 1.1       | 0.0424 | 0.0548 | 1.7    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00141        | 40215     | Pu-238       | -0.0016 U  | 0.0144 | 0.0028 | 0.0415 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Pu-239/240   | -0.001 U   | 0.0177 | 0.0032 | 0.0404 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Pu-244       | 0.0029 U   | 0.0143 | 0.0036 | 0.0313 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Sb-125       | -0.0332 U  | 0.0631 | 0.0213 | 0.354  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Sn-126       | -0.0158 UJ | 0.0215 | 0.0077 | 0.0237 | 0.00 - 0.50             |
| 8N-00141        | 40215     | Sr-90        | -0.0465 U  | 0.253  | 0.0675 | 0.485  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Tc-99        | -0.429 U   | 1.2    | 0.35   | 1.63   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Th-228       | 1.51 J     | 0.0945 | 0.165  | 3.98   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Th-229       | 0.0216     | 0.0605 | 0.0179 | 0.145  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Th-230       | 0.816      | 0.095  | 0.104  | 2.2    | 0.00 - 0.50             |
| 8N-00141        | 40215     | Th-232       | 1.18       | 0.0256 | 0.128  | 3.1    | 0.00 - 0.50             |
| 8N-00141        | 40215     | Th-234       | 1.87 J     | 0.375  | 0.245  | 3.19   | 0.00 - 0.50             |
| 8N-00141        | 40215     | Tl-208       | 0.554      | 0.0267 | 0.035  | 0.937  | 0.00 - 0.50             |
| 8N-00141        | 40215     | Tm-171       | 0.956 U    | 24.8   | 8.32   | 72.4   | 0.00 - 0.50             |
| 8N-00141        | 40215     | U-233/234    | 0.691      | 0.0367 | 0.0815 | 2.02   | 0.00 - 0.50             |
| 8N-00141        | 40215     | U-235/236    | 0.0447     | 0.0454 | 0.0198 | 0.151  | 0.00 - 0.50             |
| 8N-00141        | 40215     | U-238        | 0.786      | 0.0628 | 0.0901 | 1.8    | 0.00 - 0.50             |
| 8N-00141        | 40216     | Ac-227       | 0.0262 U   | 0.229  | 0.0672 | 0.217  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Am-241       | 0.0125     | 0.0234 | 0.0076 | 0.0454 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Bi-212       | 0.79 J     | 0.327  | 0.214  | 2.15   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Bi-214       | 0.774      | 0.038  | 0.0428 | 1.59   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Cd-113m      | -36.5 U    | 152    | 45.9   | 3030   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Cm-243/244   | -0.008 U   | 0.0328 | 0.0063 | 0.0443 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Co-60        | -0.0154 U  | 0.0245 | 0.0084 | 0.028  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Cs-134       | 0.0092 U   | 0.0237 | 0.0078 | 0.0864 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Cs-137       | -0.0078 U  | 0.0239 | 0.0073 | 0.207  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Eu-152       | -0.0154 U  | 0.0571 | 0.02   | 0.0566 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Eu-154       | -0.0191 U  | 0.145  | 0.0437 | 0.15   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Eu-155       | 0.0756 JS  | 0.0756 | 0.0283 | 0.231  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Ho-166m      | -0.0098 U  | 0.0364 | 0.0111 | 0.0432 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00141        | 40216     | K-40         | 17.2       | 0.186  | 1      | 32.4   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Na-22        | 0.002 U    | 0.0337 | 0.0097 | 0.037  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Nb-94        | 0.007 U    | 0.0212 | 0.0062 | 0.0214 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Ni-59        | 0.745 U    | 4.96   | 1.36   | 5.96   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Ni-63        | 0.626      | 1.28   | 0.395  | 4.92   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Np-236       | 0.0122 U   | 0.0398 | 0.0129 | 0.047  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Np-239       | -0.0694 UJ | 0.144  | 0.0459 | 0.139  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Pa-231       | 0.101 U    | 0.951  | 0.301  | 0.936  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Pb-212       | 1.43       | 0.0449 | 0.0859 | 2.69   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Pb-214       | 0.78       | 0.04   | 0.042  | 1.7    | 1.00 - 5.00             |
| 8N-00141        | 40216     | Pu-238       | 0.0022     | 0.006  | 0.0022 | 0.0415 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Pu-239/240   | 0.004 U    | 0.0198 | 0.0052 | 0.0404 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Pu-244       | 0.005      | 0.014  | 0.0041 | 0.0313 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Sb-125       | 0.0041 U   | 0.0671 | 0.0201 | 0.354  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Sn-126       | -0.0003 U  | 0.0233 | 0.0068 | 0.0237 | 1.00 - 5.00             |
| 8N-00141        | 40216     | Sr-90        | 0.0507 U   | 0.169  | 0.05   | 0.485  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Tc-99        | 0.228 U    | 0.956  | 0.287  | 1.63   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Th-228       | 1.61       | 0.168  | 0.151  | 3.98   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Th-229       | 0.0301     | 0.0722 | 0.0217 | 0.145  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Th-230       | 0.827      | 0.0786 | 0.0877 | 2.2    | 1.00 - 5.00             |
| 8N-00141        | 40216     | Th-232       | 1.11       | 0.0718 | 0.106  | 3.1    | 1.00 - 5.00             |
| 8N-00141        | 40216     | Th-234       | 1.24 J     | 0.309  | 0.153  | 3.19   | 1.00 - 5.00             |
| 8N-00141        | 40216     | Tl-208       | 0.491      | 0.0266 | 0.0319 | 0.937  | 1.00 - 5.00             |
| 8N-00141        | 40216     | Tm-171       | -6.16 U    | 15.8   | 5.54   | 72.4   | 1.00 - 5.00             |
| 8N-00141        | 40216     | U-233/234    | 0.807      | 0.0485 | 0.0931 | 2.02   | 1.00 - 5.00             |
| 8N-00141        | 40216     | U-235/236    | 0.0532     | 0.0206 | 0.0205 | 0.151  | 1.00 - 5.00             |
| 8N-00141        | 40216     | U-238        | 0.744      | 0.0167 | 0.0874 | 1.8    | 1.00 - 5.00             |
| 8N-00142        | 40268     | Ac-227       | -0.0064    | 0.217  | 0.0648 | 0.217  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Am-241       | 0.0212     | 0.0246 | 0.009  | 0.0454 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Bi-212       | 1.14       | 0.168  | 0.0975 | 2.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|--------|-------------------------|
| 8N-00142        | 40268     | Bi-214       | 1.06     | 0.0322 | 0.0508 | 1.59   | 1.00 - 5.00             |
| 8N-00142        | 40268     | Cd-113m      | 1.04     | 144    | 44.5   | 3030   | 1.00 - 5.00             |
| 8N-00142        | 40268     | Cm-243/244   | -0.0067  | 0.0343 | 0.0076 | 0.0443 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Co-60        | 0.0051   | 0.0212 | 0.0061 | 0.028  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Cs-134       | -0.0013  | 0.0198 | 0.0068 | 0.0864 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Cs-137       | -0.0098  | 0.0192 | 0.0063 | 0.207  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Eu-152       | -0.0299  | 0.0526 | 0.0214 | 0.0566 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Eu-154       | 0.0026   | 0.116  | 0.034  | 0.15   | 1.00 - 5.00             |
| 8N-00142        | 40268     | Eu-155       | 0.0972   | 0.0806 | 0.0335 | 0.231  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Ho-166m      | -0.0106  | 0.0283 | 0.009  | 0.0432 | 1.00 - 5.00             |
| 8N-00142        | 40268     | K-40         | 20.4     | 0.143  | 1.29   | 32.4   | 1.00 - 5.00             |
| 8N-00142        | 40268     | Na-22        | -0.0132  | 0.0263 | 0.0087 | 0.037  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Nb-94        | -0.005   | 0.016  | 0.005  | 0.0214 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Np-236       | -0.0254  | 0.0395 | 0.0137 | 0.047  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Np-239       | -0.0406  | 0.139  | 0.0426 | 0.139  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Pa-231       | 0.525    | 0.903  | 0.293  | 0.936  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Pb-212       | 1.86     | 0.0447 | 0.113  | 2.69   | 1.00 - 5.00             |
| 8N-00142        | 40268     | Pb-214       | 1.24     | 0.0367 | 0.0599 | 1.7    | 1.00 - 5.00             |
| 8N-00142        | 40268     | Pu-238       | 0.001    | 0.0227 | 0.0044 | 0.0415 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Pu-239/240   | -0.0026  | 0.0225 | 0.0044 | 0.0404 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Pu-244       | 0.0142   | 0.0096 | 0.0071 | 0.0313 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Sb-125       | 0.0173   | 0.0567 | 0.0167 | 0.354  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Sn-126       | -0.0154  | 0.0177 | 0.0066 | 0.0237 | 1.00 - 5.00             |
| 8N-00142        | 40268     | Sr-90        | 0.0874   | 0.228  | 0.0687 | 0.485  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Th-228       | 1.17     | 0.186  | 0.152  | 3.98   | 1.00 - 5.00             |
| 8N-00142        | 40268     | Th-229       | 0.0314   | 0.0973 | 0.0278 | 0.145  | 1.00 - 5.00             |
| 8N-00142        | 40268     | Th-230       | 0.962    | 0.0971 | 0.12   | 2.2    | 1.00 - 5.00             |
| 8N-00142        | 40268     | Th-232       | 1.13     | 0.0767 | 0.131  | 3.1    | 1.00 - 5.00             |
| 8N-00142        | 40268     | Th-234       | 1.7      | 0.324  | 0.189  | 3.19   | 1.00 - 5.00             |
| 8N-00142        | 40268     | Tl-208       | 0.558    | 0.0221 | 0.0322 | 0.937  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8N-00142        | 40268     | Tm-171       | -5.61      | 20.5   | 7      | 72.4   | 1.00 - 5.00             |
| 8N-00142        | 40268     | U-233/234    | 0.885      | 0.0408 | 0.0939 | 2.02   | 1.00 - 5.00             |
| 8N-00142        | 40268     | U-235/236    | 0.0768     | 0.0173 | 0.0229 | 0.151  | 1.00 - 5.00             |
| 8N-00142        | 40268     | U-238        | 0.902      | 0.033  | 0.0951 | 1.8    | 1.00 - 5.00             |
| 8S-00001        | 40280     | Ac-227       | -0.0475 U  | 0.151  | 0.0467 | 0.217  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Am-241       | 0.0153     | 0.0184 | 0.007  | 0.0454 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Bi-212       | 0.7        | 0.115  | 0.0667 | 2.15   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Bi-214       | 0.683      | 0.0253 | 0.0334 | 1.59   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Cd-113m      | 14.9 U     | 103    | 30.6   | 3030   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Cm-243/244   | 0.006 U    | 0.0185 | 0.0053 | 0.0443 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Co-60        | -0.0007 U  | 0.0143 | 0.0041 | 0.028  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Cs-134       | 0.0064 U   | 0.0136 | 0.0048 | 0.0864 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Cs-137       | 0.0731     | 0.0148 | 0.0081 | 0.207  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Eu-152       | -0.0187 U  | 0.0371 | 0.0139 | 0.0566 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Eu-154       | 0.0052 UJ  | 0.0833 | 0.0244 | 0.15   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Eu-155       | 0.0534 SJ  | 0.0561 | 0.021  | 0.231  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Ho-166m      | 0.0033 U   | 0.0215 | 0.0064 | 0.0432 | 0.00 - 0.50             |
| 8S-00001        | 40280     | K-40         | 16.7       | 0.104  | 1.05   | 32.4   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Na-22        | 0.0036 U   | 0.0187 | 0.0056 | 0.037  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Nb-94        | 0.005 U    | 0.0126 | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Np-236       | -0.0285 UJ | 0.0279 | 0.0111 | 0.047  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Np-239       | -0.0533 UJ | 0.101  | 0.0329 | 0.139  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Pa-231       | -0.107 U   | 0.633  | 0.207  | 0.936  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Pb-212       | 1.21       | 0.0271 | 0.0739 | 2.69   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Pb-214       | 0.79       | 0.0264 | 0.0387 | 1.7    | 0.00 - 0.50             |
| 8S-00001        | 40280     | Pu-238       | -0.0015 U  | 0.0279 | 0.0061 | 0.0415 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Pu-239/240   | 0.0003 U   | 0.0256 | 0.0058 | 0.0404 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Pu-244       | 0.0051     | 0.0069 | 0.0036 | 0.0313 | 0.00 - 0.50             |
| 8S-00001        | 40280     | Sb-125       | 0.0091 U   | 0.0367 | 0.0107 | 0.354  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Sn-126       | -0.001 U   | 0.0137 | 0.0041 | 0.0237 | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00001        | 40280     | Sr-90        | 0.0029 U   | 0.136  | 0.0351 | 0.485  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Th-228       | 1.08       | 0.104  | 0.115  | 3.98   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Th-229       | 0.0214     | 0.0525 | 0.016  | 0.145  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Th-230       | 0.732      | 0.0524 | 0.0847 | 2.2    | 0.00 - 0.50             |
| 8S-00001        | 40280     | Th-232       | 0.929      | 0.0192 | 0.0979 | 3.1    | 0.00 - 0.50             |
| 8S-00001        | 40280     | Th-234       | 1.33 J     | 0.235  | 0.14   | 3.19   | 0.00 - 0.50             |
| 8S-00001        | 40280     | Tl-208       | 0.364      | 0.0147 | 0.0211 | 0.937  | 0.00 - 0.50             |
| 8S-00001        | 40280     | Tm-171       | -2.4 U     | 12.5   | 4.22   | 72.4   | 0.00 - 0.50             |
| 8S-00001        | 40280     | U-233/234    | 0.783      | 0.0397 | 0.0773 | 2.02   | 0.00 - 0.50             |
| 8S-00001        | 40280     | U-235/236    | 0.0541     | 0.0122 | 0.0161 | 0.151  | 0.00 - 0.50             |
| 8S-00001        | 40280     | U-238        | 0.649      | 0.033  | 0.0671 | 1.8    | 0.00 - 0.50             |
| 8S-00001        | 40281     | Ac-227       | -0.0907 U  | 0.185  | 0.0595 | 0.217  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Am-241       | 0.003 U    | 0.0151 | 0.0038 | 0.0454 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Bi-212       | 0.687      | 0.126  | 0.0671 | 2.15   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Bi-214       | 0.669      | 0.0277 | 0.0344 | 1.59   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Cd-113m      | -49.6 U    | 122    | 38.3   | 3030   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Cm-243/244   | -0.0038 U  | 0.0259 | 0.0051 | 0.0443 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Co-60        | -0.0017 U  | 0.0166 | 0.0048 | 0.028  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Cs-134       | 0.0017 U   | 0.0138 | 0.0045 | 0.0864 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Cs-137       | -0.0086 UJ | 0.0166 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Eu-152       | 0.0181 U   | 0.0483 | 0.0158 | 0.0566 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Eu-154       | -0.0186 U  | 0.0857 | 0.0306 | 0.15   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Eu-155       | 0.0441 JS  | 0.0679 | 0.0228 | 0.231  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Ho-166m      | -0.0117 U  | 0.0244 | 0.0079 | 0.0432 | 1.00 - 5.00             |
| 8S-00001        | 40281     | K-40         | 14.2       | 0.133  | 0.845  | 32.4   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Na-22        | 0.0047 U   | 0.0191 | 0.0055 | 0.037  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Nb-94        | 0.0029 U   | 0.0144 | 0.0042 | 0.0214 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Np-236       | -0.0048 U  | 0.0351 | 0.0109 | 0.047  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Np-239       | -0.0105 U  | 0.124  | 0.0366 | 0.139  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Pa-231       | 0.228 U    | 0.769  | 0.237  | 0.936  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00001        | 40281     | Pb-212       | 1.18       | 0.0322 | 0.0797 | 2.69   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Pb-214       | 0.821      | 0.0326 | 0.0421 | 1.7    | 1.00 - 5.00             |
| 8S-00001        | 40281     | Pu-238       | 0.0006 U   | 0.0133 | 0.0026 | 0.0415 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Pu-239/240   | 0.0042     | 0.0056 | 0.003  | 0.0404 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Pu-244       | -0.0015 U  | 0.0132 | 0.0026 | 0.0313 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Sb-125       | 0.0209 U   | 0.0437 | 0.0136 | 0.354  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Sn-126       | -0.0016 U  | 0.0165 | 0.0049 | 0.0237 | 1.00 - 5.00             |
| 8S-00001        | 40281     | Sr-90        | 0.0376 U   | 0.235  | 0.0658 | 0.485  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Th-228       | 0.881      | 0.133  | 0.109  | 3.98   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Th-229       | 0.017 U    | 0.0789 | 0.0208 | 0.145  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Th-230       | 0.644      | 0.023  | 0.0838 | 2.2    | 1.00 - 5.00             |
| 8S-00001        | 40281     | Th-232       | 0.845      | 0.0229 | 0.0992 | 3.1    | 1.00 - 5.00             |
| 8S-00001        | 40281     | Th-234       | 1.08 J     | 0.291  | 0.145  | 3.19   | 1.00 - 5.00             |
| 8S-00001        | 40281     | Tl-208       | 0.334      | 0.0159 | 0.0206 | 0.937  | 1.00 - 5.00             |
| 8S-00001        | 40281     | Tm-171       | -10.2 U    | 14.8   | 5.67   | 72.4   | 1.00 - 5.00             |
| 8S-00001        | 40281     | U-233/234    | 0.629      | 0.02   | 0.0625 | 2.02   | 1.00 - 5.00             |
| 8S-00001        | 40281     | U-235/236    | 0.0516     | 0.0248 | 0.0152 | 0.151  | 1.00 - 5.00             |
| 8S-00001        | 40281     | U-238        | 0.767      | 0.0085 | 0.0725 | 1.8    | 1.00 - 5.00             |
| 8S-00002        | 40282     | Ac-227       | 0.0328 U   | 0.184  | 0.054  | 0.217  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Am-241       | 0          | 0.0068 | 0.0025 | 0.0454 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Bi-212       | 0.536 J    | 0.129  | 0.0715 | 2.15   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Bi-214       | 0.607      | 0.0279 | 0.0312 | 1.59   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Cd-113m      | -27.2 U    | 123    | 38.3   | 3030   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Cm-243/244   | -0.0033 U  | 0.0295 | 0.0063 | 0.0443 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Co-60        | -0.0081 U  | 0.0174 | 0.0056 | 0.028  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Cs-134       | 0.0294 SJ  | 0.018  | 0.0091 | 0.0864 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Cs-137       | 0.0509     | 0.0175 | 0.0076 | 0.207  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Eu-152       | -0.014 U   | 0.0442 | 0.0142 | 0.0566 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Eu-154       | -0.0545 UJ | 0.0881 | 0.0306 | 0.15   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Eu-155       | 0.0254 U   | 0.0674 | 0.0211 | 0.231  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00002        | 40282     | Ho-166m      | 0.0163 SJ | 0.0258 | 0.0081 | 0.0432 | 0.00 - 0.50             |
| 8S-00002        | 40282     | K-40         | 14        | 0.119  | 0.834  | 32.4   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Na-22        | -0.006 U  | 0.0204 | 0.0062 | 0.037  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Nb-94        | 0.0059 U  | 0.0156 | 0.0046 | 0.0214 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Np-236       | -0.0058 U | 0.0348 | 0.0108 | 0.047  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Np-239       | 0.0322 UJ | 0.127  | 0.0374 | 0.139  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Pa-231       | -0.428 U  | 0.745  | 0.256  | 0.936  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Pb-212       | 1.08      | 0.0338 | 0.0734 | 2.69   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Pb-214       | 0.685     | 0.0316 | 0.037  | 1.7    | 0.00 - 0.50             |
| 8S-00002        | 40282     | Pu-238       | 0.0029 U  | 0.0145 | 0.0036 | 0.0415 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Pu-239/240   | 0.0071 U  | 0.0228 | 0.0065 | 0.0404 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Pu-244       | 0.0052    | 0.0145 | 0.0043 | 0.0313 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Sb-125       | 0.0194 U  | 0.0456 | 0.014  | 0.354  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Sn-126       | 0.0025 U  | 0.016  | 0.0046 | 0.0237 | 0.00 - 0.50             |
| 8S-00002        | 40282     | Sr-90        | -0.049 U  | 0.176  | 0.0418 | 0.485  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Th-228       | 0.67      | 0.114  | 0.0936 | 3.98   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Th-229       | -0.0085 U | 0.112  | 0.0256 | 0.145  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Th-230       | 0.494     | 0.0627 | 0.0726 | 2.2    | 0.00 - 0.50             |
| 8S-00002        | 40282     | Th-232       | 0.518     | 0.0625 | 0.0745 | 3.1    | 0.00 - 0.50             |
| 8S-00002        | 40282     | Th-234       | 1.02 J    | 0.287  | 0.144  | 3.19   | 0.00 - 0.50             |
| 8S-00002        | 40282     | Tl-208       | 0.306     | 0.0164 | 0.0201 | 0.937  | 0.00 - 0.50             |
| 8S-00002        | 40282     | Tm-171       | -0.903 U  | 15.6   | 5.23   | 72.4   | 0.00 - 0.50             |
| 8S-00002        | 40282     | U-233/234    | 0.459     | 0.0251 | 0.0747 | 2.02   | 0.00 - 0.50             |
| 8S-00002        | 40282     | U-235/236    | 0.0605    | 0.073  | 0.0296 | 0.151  | 0.00 - 0.50             |
| 8S-00002        | 40282     | U-238        | 0.575     | 0.0251 | 0.086  | 1.8    | 0.00 - 0.50             |
| 8S-00003        | 40284     | Ac-227       | -0.038 U  | 0.163  | 0.0483 | 0.217  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Am-241       | 0.0054    | 0.0152 | 0.0045 | 0.0454 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Bi-212       | 0.743 J   | 0.121  | 0.0747 | 2.15   | 0.00 - 0.50             |
| 8S-00003        | 40284     | Bi-214       | 0.576     | 0.0285 | 0.0307 | 1.59   | 0.00 - 0.50             |
| 8S-00003        | 40284     | Cd-113m      | 31 U      | 110    | 33.1   | 3030   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00003        | 40284     | Cm-243/244   | 0.001 U    | 0.0262 | 0.0062 | 0.0443 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Co-60        | 0.0095 J   | 0.0166 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Cs-134       | 0.0139 SJ  | 0.0165 | 0.0062 | 0.0864 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Cs-137       | 0.166      | 0.0173 | 0.0126 | 0.207  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Eu-152       | -0.0268 UJ | 0.0372 | 0.0133 | 0.0566 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Eu-154       | 0.0184 UJ  | 0.0872 | 0.025  | 0.15   | 0.00 - 0.50             |
| 8S-00003        | 40284     | Eu-155       | 0.0187 U   | 0.0571 | 0.0175 | 0.231  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Ho-166m      | -0.0092 U  | 0.0213 | 0.007  | 0.0432 | 0.00 - 0.50             |
| 8S-00003        | 40284     | K-40         | 13.7       | 0.116  | 0.785  | 32.4   | 0.00 - 0.50             |
| 8S-00003        | 40284     | Na-22        | -0.0039 U  | 0.0185 | 0.0056 | 0.037  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Nb-94        | 0.0008 U   | 0.013  | 0.0039 | 0.0214 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Np-236       | -0.011 U   | 0.0299 | 0.0095 | 0.047  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Np-239       | -0.0767 UJ | 0.102  | 0.0375 | 0.139  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Pa-231       | -0.567 UJ  | 0.643  | 0.236  | 0.936  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Pb-212       | 1.07       | 0.0301 | 0.0645 | 2.69   | 0.00 - 0.50             |
| 8S-00003        | 40284     | Pb-214       | 0.638      | 0.0283 | 0.0329 | 1.7    | 0.00 - 0.50             |
| 8S-00003        | 40284     | Pu-238       | -0.0012 U  | 0.0216 | 0.0047 | 0.0415 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Pu-239/240   | 0.0028 U   | 0.0216 | 0.0055 | 0.0404 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Pu-244       | 0.0124     | 0.0126 | 0.0055 | 0.0313 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Sb-125       | -0.0019 U  | 0.0406 | 0.012  | 0.354  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Sn-126       | 0.0025 U   | 0.0152 | 0.0046 | 0.0237 | 0.00 - 0.50             |
| 8S-00003        | 40284     | Sr-90        | -0.0818 U  | 0.192  | 0.0429 | 0.485  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Th-228       | 0.895      | 0.0878 | 0.109  | 3.98   | 0.00 - 0.50             |
| 8S-00003        | 40284     | Th-229       | 0.0085 U   | 0.112  | 0.0283 | 0.145  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Th-230       | 0.629      | 0.023  | 0.0827 | 2.2    | 0.00 - 0.50             |
| 8S-00003        | 40284     | Th-232       | 0.754      | 0.023  | 0.0924 | 3.1    | 0.00 - 0.50             |
| 8S-00003        | 40284     | Th-234       | 1.27 J     | 0.226  | 0.142  | 3.19   | 0.00 - 0.50             |
| 8S-00003        | 40284     | Tl-208       | 0.318      | 0.0149 | 0.0199 | 0.937  | 0.00 - 0.50             |
| 8S-00003        | 40284     | Tm-171       | -3.46 U    | 11     | 3.77   | 72.4   | 0.00 - 0.50             |
| 8S-00003        | 40284     | U-233/234    | 0.594      | 0.0348 | 0.0721 | 2.02   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00003        | 40284     | U-235/236    | 0.0202     | 0.0183 | 0.0118 | 0.151  | 0.00 - 0.50             |
| 8S-00003        | 40284     | U-238        | 0.747      | 0.0494 | 0.085  | 1.8    | 0.00 - 0.50             |
| 8S-00004        | 40286     | Ac-227       | 0.0186 U   | 0.159  | 0.0468 | 0.217  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Am-241       | 0.0098     | 0.0232 | 0.0071 | 0.0454 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Bi-212       | 0.579 J    | 0.117  | 0.0666 | 2.15   | 0.00 - 0.50             |
| 8S-00004        | 40286     | Bi-214       | 0.532      | 0.0241 | 0.0281 | 1.59   | 0.00 - 0.50             |
| 8S-00004        | 40286     | Cd-113m      | 14.9 U     | 102    | 32.4   | 3030   | 0.00 - 0.50             |
| 8S-00004        | 40286     | Cm-243/244   | -0.0024 U  | 0.0384 | 0.0092 | 0.0443 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Co-60        | -0.0076 U  | 0.0133 | 0.0046 | 0.028  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Cs-134       | 0.0151 SJ  | 0.0146 | 0.0067 | 0.0864 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Cs-137       | 0.0284     | 0.0145 | 0.0062 | 0.207  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Eu-152       | -0.021 U   | 0.0379 | 0.0131 | 0.0566 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Eu-154       | -0.0017 UJ | 0.075  | 0.0252 | 0.15   | 0.00 - 0.50             |
| 8S-00004        | 40286     | Eu-155       | 0.0441 SJ  | 0.0566 | 0.02   | 0.231  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Ho-166m      | -0.0077 U  | 0.0212 | 0.0065 | 0.0432 | 0.00 - 0.50             |
| 8S-00004        | 40286     | K-40         | 10.2       | 0.116  | 0.604  | 32.4   | 0.00 - 0.50             |
| 8S-00004        | 40286     | Na-22        | -0.0031 U  | 0.0166 | 0.005  | 0.037  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Nb-94        | -0.0007 U  | 0.0126 | 0.0036 | 0.0214 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Np-236       | -0.0004 U  | 0.0287 | 0.0083 | 0.047  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Np-239       | 0.0388 UJ  | 0.105  | 0.0317 | 0.139  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Pa-231       | 0.0924 U   | 0.664  | 0.196  | 0.936  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Pb-212       | 0.938      | 0.0274 | 0.0605 | 2.69   | 0.00 - 0.50             |
| 8S-00004        | 40286     | Pb-214       | 0.581      | 0.0276 | 0.0318 | 1.7    | 0.00 - 0.50             |
| 8S-00004        | 40286     | Pu-238       | 0.0069     | 0.0193 | 0.0057 | 0.0415 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Pu-239/240   | 0.0116     | 0.0273 | 0.0083 | 0.0404 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Pu-244       | 0.0121     | 0.0082 | 0.0061 | 0.0313 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Sb-125       | 0.0062 U   | 0.0362 | 0.0108 | 0.354  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Sn-126       | 0.0046 U   | 0.0143 | 0.0041 | 0.0237 | 0.00 - 0.50             |
| 8S-00004        | 40286     | Sr-90        | 0.0407 U   | 0.178  | 0.0511 | 0.485  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Th-228       | 0.808      | 0.0952 | 0.106  | 3.98   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00004        | 40286     | Th-229       | -0.0185 U  | 0.0994 | 0.0185 | 0.145  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Th-230       | 0.516      | 0.0678 | 0.0773 | 2.2    | 0.00 - 0.50             |
| 8S-00004        | 40286     | Th-232       | 0.836      | 0.0676 | 0.103  | 3.1    | 0.00 - 0.50             |
| 8S-00004        | 40286     | Th-234       | 0.948 J    | 0.231  | 0.109  | 3.19   | 0.00 - 0.50             |
| 8S-00004        | 40286     | Tl-208       | 0.276      | 0.0139 | 0.0173 | 0.937  | 0.00 - 0.50             |
| 8S-00004        | 40286     | Tm-171       | -1.91 U    | 10.1   | 3.55   | 72.4   | 0.00 - 0.50             |
| 8S-00004        | 40286     | U-233/234    | 0.636      | 0.0393 | 0.0733 | 2.02   | 0.00 - 0.50             |
| 8S-00004        | 40286     | U-235/236    | 0.0281     | 0.0485 | 0.0165 | 0.151  | 0.00 - 0.50             |
| 8S-00004        | 40286     | U-238        | 0.808      | 0.0317 | 0.0866 | 1.8    | 0.00 - 0.50             |
| 8S-00004        | 40287     | Ac-227       | 0.0337 U   | 0.148  | 0.0451 | 0.217  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Am-241       | 0.0056     | 0.0156 | 0.0046 | 0.0454 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Bi-212       | 0.632 J    | 0.203  | 0.174  | 2.15   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Bi-214       | 0.597      | 0.0268 | 0.0351 | 1.59   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Cd-113m      | 1.58 U     | 95.8   | 29.1   | 3030   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Cm-243/244   | 0.0056     | 0.0157 | 0.0046 | 0.0443 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Co-60        | 0.0027 U   | 0.0167 | 0.0047 | 0.028  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Cs-134       | -0.0023 U  | 0.0133 | 0.0047 | 0.0864 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Cs-137       | -0.011 UJ  | 0.0173 | 0.0057 | 0.207  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Eu-152       | -0.0028 U  | 0.0375 | 0.0123 | 0.0566 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Eu-154       | -0.027 U   | 0.0954 | 0.0295 | 0.15   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Eu-155       | 0.0468 JS  | 0.0458 | 0.0169 | 0.231  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Ho-166m      | -0.0038 U  | 0.0245 | 0.0072 | 0.0432 | 1.00 - 5.00             |
| 8S-00004        | 40287     | K-40         | 11.3       | 0.112  | 0.634  | 32.4   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Na-22        | -0.0139 UJ | 0.0167 | 0.0061 | 0.037  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Nb-94        | 0.0078 J   | 0.0153 | 0.0046 | 0.0214 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Np-236       | -0.0046 U  | 0.0239 | 0.0071 | 0.047  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Np-239       | -0.0301 U  | 0.0968 | 0.0305 | 0.139  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Pa-231       | -0.132 U   | 0.624  | 0.196  | 0.936  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Pb-212       | 0.906      | 0.0251 | 0.0528 | 2.69   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Pb-214       | 0.649      | 0.0282 | 0.0342 | 1.7    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00004        | 40287     | Pu-238       | -0.0026 U  | 0.0204 | 0.0036 | 0.0415 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Pu-239/240   | 0.0068     | 0.0061 | 0.0039 | 0.0404 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Pu-244       | 0.0006 U   | 0.0144 | 0.0028 | 0.0313 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Sb-125       | 0.0088 U   | 0.0381 | 0.0111 | 0.354  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Sn-126       | -0.0017 U  | 0.016  | 0.0046 | 0.0237 | 1.00 - 5.00             |
| 8S-00004        | 40287     | Sr-90        | 0.0393 U   | 0.249  | 0.0702 | 0.485  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Th-228       | 0.979      | 0.102  | 0.116  | 3.98   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Th-229       | 0.0548     | 0.0247 | 0.0226 | 0.145  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Th-230       | 0.565      | 0.0671 | 0.0809 | 2.2    | 1.00 - 5.00             |
| 8S-00004        | 40287     | Th-232       | 0.654      | 0.0246 | 0.0872 | 3.1    | 1.00 - 5.00             |
| 8S-00004        | 40287     | Th-234       | 0.928 J    | 0.186  | 0.121  | 3.19   | 1.00 - 5.00             |
| 8S-00004        | 40287     | Tl-208       | 0.296      | 0.0142 | 0.0201 | 0.937  | 1.00 - 5.00             |
| 8S-00004        | 40287     | Tm-171       | 0.155 U    | 5.43   | 1.84   | 72.4   | 1.00 - 5.00             |
| 8S-00004        | 40287     | U-233/234    | 0.647      | 0.0221 | 0.0658 | 2.02   | 1.00 - 5.00             |
| 8S-00004        | 40287     | U-235/236    | 0.0558     | 0.0116 | 0.016  | 0.151  | 1.00 - 5.00             |
| 8S-00004        | 40287     | U-238        | 0.764      | 0.0094 | 0.0743 | 1.8    | 1.00 - 5.00             |
| 8S-00005        | 40288     | Ac-227       | -0.0466 U  | 0.159  | 0.0481 | 0.217  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Am-241       | -0.0004 U  | 0.0211 | 0.0044 | 0.0454 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Bi-212       | 0.491 J    | 0.112  | 0.0601 | 2.15   | 0.00 - 0.50             |
| 8S-00005        | 40288     | Bi-214       | 0.405      | 0.0252 | 0.0239 | 1.59   | 0.00 - 0.50             |
| 8S-00005        | 40288     | Cd-113m      | 23.9 U     | 102    | 33.6   | 3030   | 0.00 - 0.50             |
| 8S-00005        | 40288     | Cm-243/244   | 0.0114     | 0.0213 | 0.0069 | 0.0443 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Co-60        | 0.0018 U   | 0.0168 | 0.0048 | 0.028  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Cs-134       | 0.0435 SJ  | 0.0191 | 0.0118 | 0.0864 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Cs-137       | 0.0547     | 0.0147 | 0.0091 | 0.207  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Eu-152       | -0.0087 U  | 0.0396 | 0.0137 | 0.0566 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Eu-154       | -0.0289 UJ | 0.0878 | 0.0267 | 0.15   | 0.00 - 0.50             |
| 8S-00005        | 40288     | Eu-155       | 0.0071 U   | 0.0553 | 0.0164 | 0.231  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Ho-166m      | -0.0006 U  | 0.0236 | 0.0069 | 0.0432 | 0.00 - 0.50             |
| 8S-00005        | 40288     | K-40         | 7.98       | 0.138  | 0.515  | 32.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00005        | 40288     | Na-22        | -0.0041 U | 0.0181 | 0.0054 | 0.037  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Nb-94        | 0.0017 U  | 0.0138 | 0.004  | 0.0214 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Np-236       | -0.0163 U | 0.0269 | 0.0091 | 0.047  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Np-239       | -0.007 UJ | 0.0995 | 0.0289 | 0.139  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Pa-231       | -0.233 U  | 0.635  | 0.223  | 0.936  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Pb-212       | 0.733     | 0.0268 | 0.0457 | 2.69   | 0.00 - 0.50             |
| 8S-00005        | 40288     | Pb-214       | 0.443     | 0.0292 | 0.0254 | 1.7    | 0.00 - 0.50             |
| 8S-00005        | 40288     | Pu-238       | 0.0006 U  | 0.0146 | 0.0028 | 0.0415 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Pu-239/240   | -0.0033 U | 0.0181 | 0.0033 | 0.0404 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Pu-244       | 0.0115    | 0.0062 | 0.0052 | 0.0313 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Sb-125       | -0.0064 U | 0.0394 | 0.012  | 0.354  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Sn-126       | 0.0031 U  | 0.0153 | 0.0051 | 0.0237 | 0.00 - 0.50             |
| 8S-00005        | 40288     | Sr-90        | 0.0907 U  | 0.177  | 0.0551 | 0.485  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Th-228       | 0.575     | 0.0866 | 0.0832 | 3.98   | 0.00 - 0.50             |
| 8S-00005        | 40288     | Th-229       | 0.0336    | 0.0618 | 0.0207 | 0.145  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Th-230       | 0.419     | 0.0227 | 0.0645 | 2.2    | 0.00 - 0.50             |
| 8S-00005        | 40288     | Th-232       | 0.459     | 0.0899 | 0.071  | 3.1    | 0.00 - 0.50             |
| 8S-00005        | 40288     | Th-234       | 0.842 J   | 0.219  | 0.114  | 3.19   | 0.00 - 0.50             |
| 8S-00005        | 40288     | Tl-208       | 0.216     | 0.0167 | 0.0154 | 0.937  | 0.00 - 0.50             |
| 8S-00005        | 40288     | Tm-171       | 11.4 J    | 12.7   | 4.77   | 72.4   | 0.00 - 0.50             |
| 8S-00005        | 40288     | U-233/234    | 0.656     | 0.0338 | 0.0762 | 2.02   | 0.00 - 0.50             |
| 8S-00005        | 40288     | U-235/236    | 0.0787    | 0.0178 | 0.0234 | 0.151  | 0.00 - 0.50             |
| 8S-00005        | 40288     | U-238        | 0.679     | 0.0144 | 0.0778 | 1.8    | 0.00 - 0.50             |
| 8S-00005        | 40289     | Ac-227       | -0.0816 U | 0.138  | 0.0455 | 0.217  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Am-241       | -0.002 U  | 0.0231 | 0.0047 | 0.0454 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Bi-212       | 0.536 J   | 0.106  | 0.0585 | 2.15   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Bi-214       | 0.562     | 0.0225 | 0.0291 | 1.59   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Cd-113m      | -17.4 U   | 91.7   | 27.2   | 3030   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Cm-243/244   | -0.0037 U | 0.0252 | 0.005  | 0.0443 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Co-60        | 0.003 U   | 0.0144 | 0.004  | 0.028  | 1.00 - 4.80             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00005        | 40289     | Cs-134       | -0.0021 U  | 0.0115 | 0.0041 | 0.0864 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Cs-137       | -0.0028 UJ | 0.0134 | 0.0039 | 0.207  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Eu-152       | -0.0269 UJ | 0.0331 | 0.0124 | 0.0566 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Eu-154       | -0.0524 U  | 0.0777 | 0.0272 | 0.15   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Eu-155       | 0.0119 U   | 0.0492 | 0.015  | 0.231  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Ho-166m      | -0.0064 U  | 0.0196 | 0.006  | 0.0432 | 1.00 - 4.80             |
| 8S-00005        | 40289     | K-40         | 10.1       | 0.108  | 0.586  | 32.4   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Na-22        | -0.0062 U  | 0.0148 | 0.0048 | 0.037  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Nb-94        | 0.0043 U   | 0.0122 | 0.0036 | 0.0214 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Np-236       | -0.012 U   | 0.0258 | 0.0085 | 0.047  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Np-239       | 0.0127 U   | 0.0961 | 0.0279 | 0.139  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Pa-231       | 0.185 U    | 0.58   | 0.177  | 0.936  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Pb-212       | 0.858      | 0.0276 | 0.0526 | 2.69   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Pb-214       | 0.571      | 0.0248 | 0.0302 | 1.7    | 1.00 - 4.80             |
| 8S-00005        | 40289     | Pu-238       | 0.0024     | 0.0064 | 0.0024 | 0.0415 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Pu-239/240   | 0.0043 U   | 0.0213 | 0.0056 | 0.0404 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Pu-244       | 0.0077     | 0.015  | 0.005  | 0.0313 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Sb-125       | 0.0033 U   | 0.033  | 0.0097 | 0.354  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Sn-126       | -0.0027 U  | 0.0125 | 0.0037 | 0.0237 | 1.00 - 4.80             |
| 8S-00005        | 40289     | Sr-90        | 0.0426 U   | 0.228  | 0.0646 | 0.485  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Th-228       | 0.783      | 0.134  | 0.1    | 3.98   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Th-229       | 0.0162 U   | 0.0753 | 0.0199 | 0.145  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Th-230       | 0.534      | 0.0595 | 0.0741 | 2.2    | 1.00 - 4.80             |
| 8S-00005        | 40289     | Th-232       | 0.806      | 0.0218 | 0.0943 | 3.1    | 1.00 - 4.80             |
| 8S-00005        | 40289     | Th-234       | 0.942 J    | 0.208  | 0.101  | 3.19   | 1.00 - 4.80             |
| 8S-00005        | 40289     | Tl-208       | 0.256      | 0.0124 | 0.0165 | 0.937  | 1.00 - 4.80             |
| 8S-00005        | 40289     | Tm-171       | -0.775 U   | 8.09   | 2.72   | 72.4   | 1.00 - 4.80             |
| 8S-00005        | 40289     | U-233/234    | 0.575      | 0.0432 | 0.0708 | 2.02   | 1.00 - 4.80             |
| 8S-00005        | 40289     | U-235/236    | 0.0203     | 0.0183 | 0.0118 | 0.151  | 1.00 - 4.80             |
| 8S-00005        | 40289     | U-238        | 0.717      | 0.0148 | 0.0819 | 1.8    | 1.00 - 4.80             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00006        | 40290     | Ac-227       | 0.007 U    | 0.146  | 0.044  | 0.217  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Am-241       | 0.0062 U   | 0.019  | 0.0054 | 0.0454 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Bi-212       | 0.281 J    | 0.105  | 0.0545 | 2.15   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Bi-214       | 0.395      | 0.0231 | 0.0221 | 1.59   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Cd-113m      | 6.36 U     | 99.8   | 32.5   | 3030   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Cm-243/244   | -0.0012 U  | 0.0333 | 0.0079 | 0.0443 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Co-60        | -0.0013 U  | 0.0116 | 0.0033 | 0.028  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Cs-134       | 0.0145 SJ  | 0.0138 | 0.0052 | 0.0864 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Cs-137       | 0.0176     | 0.0145 | 0.0042 | 0.207  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Eu-152       | -0.0155 U  | 0.036  | 0.0162 | 0.0566 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Eu-154       | 0.0063 UJ  | 0.0691 | 0.0223 | 0.15   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Eu-155       | 0.009 U    | 0.053  | 0.0157 | 0.231  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Ho-166m      | -0.0035 U  | 0.0195 | 0.0059 | 0.0432 | 0.00 - 0.50             |
| 8S-00006        | 40290     | K-40         | 5.3        | 0.106  | 0.348  | 32.4   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Na-22        | 0.001 U    | 0.0153 | 0.0043 | 0.037  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Nb-94        | 0.0032 U   | 0.0118 | 0.0035 | 0.0214 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Np-236       | -0.0031 U  | 0.0283 | 0.0084 | 0.047  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Np-239       | -0.0254 UJ | 0.0959 | 0.0299 | 0.139  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Pa-231       | -0.136 U   | 0.618  | 0.192  | 0.936  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Pb-212       | 0.483      | 0.0278 | 0.0325 | 2.69   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Pb-214       | 0.487      | 0.0264 | 0.0262 | 1.7    | 0.00 - 0.50             |
| 8S-00006        | 40290     | Pu-238       | 0.0126     | 0.0206 | 0.0069 | 0.0415 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Pu-239/240   | 0.0032 U   | 0.0162 | 0.0041 | 0.0404 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Pu-244       | 0.0287     | 0.0056 | 0.0078 | 0.0313 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Sb-125       | 0.0091 U   | 0.0353 | 0.0102 | 0.354  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Sn-126       | 0.0049 U   | 0.0129 | 0.0038 | 0.0237 | 0.00 - 0.50             |
| 8S-00006        | 40290     | Sr-90        | 0.296      | 0.193  | 0.0773 | 0.485  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Th-228       | 0.537      | 0.0344 | 0.0897 | 3.98   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Th-229       | 0.0343     | 0.0842 | 0.0257 | 0.145  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Th-230       | 0.388      | 0.084  | 0.073  | 2.2    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00006        | 40290     | Th-232       | 0.262      | 0.0308 | 0.0572 | 3.1    | 0.00 - 0.50             |
| 8S-00006        | 40290     | Th-234       | 0.956 J    | 0.227  | 0.12   | 3.19   | 0.00 - 0.50             |
| 8S-00006        | 40290     | Tl-208       | 0.145      | 0.0125 | 0.0114 | 0.937  | 0.00 - 0.50             |
| 8S-00006        | 40290     | Tm-171       | -1.04 U    | 11.4   | 3.81   | 72.4   | 0.00 - 0.50             |
| 8S-00006        | 40290     | U-233/234    | 0.66       | 0.0611 | 0.0774 | 2.02   | 0.00 - 0.50             |
| 8S-00006        | 40290     | U-235/236    | 0.0018 U   | 0.0412 | 0.008  | 0.151  | 0.00 - 0.50             |
| 8S-00006        | 40290     | U-238        | 0.55       | 0.0142 | 0.067  | 1.8    | 0.00 - 0.50             |
| 8S-00006        | 40291     | Ac-227       | -0.0497 U  | 0.15   | 0.0466 | 0.217  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Am-241       | 0.0013 U   | 0.0187 | 0.0041 | 0.0454 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Bi-212       | 0.483 J    | 0.111  | 0.0625 | 2.15   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Bi-214       | 0.484      | 0.0255 | 0.0283 | 1.59   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Cd-113m      | -26.6 U    | 99.3   | 31.4   | 3030   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Cm-243/244   | -0.0034 U  | 0.0187 | 0.0034 | 0.0443 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Co-60        | -0.0087 U  | 0.0135 | 0.0048 | 0.028  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Cs-134       | 0.0049 U   | 0.0128 | 0.0042 | 0.0864 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Cs-137       | -0.0049 UJ | 0.0134 | 0.0047 | 0.207  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Eu-152       | -0.0312 UJ | 0.0358 | 0.015  | 0.0566 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Eu-154       | -0.0663 UJ | 0.0761 | 0.0289 | 0.15   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Eu-155       | 0.0237 U   | 0.0543 | 0.0175 | 0.231  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Ho-166m      | -0.0032 U  | 0.0212 | 0.0062 | 0.0432 | 1.00 - 5.00             |
| 8S-00006        | 40291     | K-40         | 10         | 0.114  | 0.595  | 32.4   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Na-22        | -0.0085 U  | 0.0152 | 0.0052 | 0.037  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Nb-94        | 0.0031 U   | 0.0128 | 0.0037 | 0.0214 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Np-236       | -0.0073 U  | 0.0282 | 0.0084 | 0.047  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Np-239       | -0.0626 U  | 0.0976 | 0.0332 | 0.139  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Pa-231       | -0.0225 U  | 0.628  | 0.186  | 0.936  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Pb-212       | 0.799      | 0.0264 | 0.052  | 2.69   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Pb-214       | 0.535      | 0.0275 | 0.0293 | 1.7    | 1.00 - 5.00             |
| 8S-00006        | 40291     | Pu-238       | -0.0009 U  | 0.0161 | 0.0029 | 0.0415 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Pu-239/240   | -0.0009 U  | 0.0161 | 0.0029 | 0.0404 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00006        | 40291     | Pu-244       | 0.0061     | 0.0055 | 0.0036 | 0.0313 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Sb-125       | -0.0226 U  | 0.0341 | 0.012  | 0.354  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Sn-126       | 0.0005 U   | 0.0142 | 0.0041 | 0.0237 | 1.00 - 5.00             |
| 8S-00006        | 40291     | Sr-90        | 0.0833 U   | 0.203  | 0.0615 | 0.485  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Th-228       | 0.764      | 0.0959 | 0.0971 | 3.98   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Th-229       | 0 U        | 0.245  | 0.0673 | 0.145  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Th-230       | 0.358      | 0.0628 | 0.0606 | 2.2    | 1.00 - 5.00             |
| 8S-00006        | 40291     | Th-232       | 0.629      | 0.0915 | 0.085  | 3.1    | 1.00 - 5.00             |
| 8S-00006        | 40291     | Th-234       | 0.932 J    | 0.234  | 0.118  | 3.19   | 1.00 - 5.00             |
| 8S-00006        | 40291     | Tl-208       | 0.23       | 0.0131 | 0.0158 | 0.937  | 1.00 - 5.00             |
| 8S-00006        | 40291     | Tm-171       | -5.06 U    | 9.54   | 3.58   | 72.4   | 1.00 - 5.00             |
| 8S-00006        | 40291     | U-233/234    | 0.507      | 0.0385 | 0.0673 | 2.02   | 1.00 - 5.00             |
| 8S-00006        | 40291     | U-235/236    | 0.032      | 0.0476 | 0.0177 | 0.151  | 1.00 - 5.00             |
| 8S-00006        | 40291     | U-238        | 0.465      | 0.0164 | 0.0632 | 1.8    | 1.00 - 5.00             |
| 8S-00007        | 40292     | Ac-227       | -0.0269 U  | 0.149  | 0.0456 | 0.217  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Am-241       | 0.0043 U   | 0.0217 | 0.0055 | 0.0454 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Bi-212       | 0.475 J    | 0.107  | 0.0616 | 2.15   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Bi-214       | 0.428      | 0.0266 | 0.0238 | 1.59   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Cd-113m      | -14.2 U    | 98.2   | 30.9   | 3030   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Cm-243/244   | 0.0003 U   | 0.0278 | 0.0063 | 0.0443 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Co-60        | 0.0026 U   | 0.0138 | 0.0039 | 0.028  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Cs-134       | 0.0065 U   | 0.0141 | 0.0048 | 0.0864 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Cs-137       | 0.0339     | 0.0151 | 0.0073 | 0.207  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Eu-152       | -0.0243 U  | 0.0367 | 0.0134 | 0.0566 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Eu-154       | -0.0313 UJ | 0.0771 | 0.0242 | 0.15   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Eu-155       | 0.0269 SJ  | 0.0512 | 0.0159 | 0.231  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Ho-166m      | 0.0001 U   | 0.0206 | 0.006  | 0.0432 | 0.00 - 0.50             |
| 8S-00007        | 40292     | K-40         | 8.5        | 0.121  | 0.529  | 32.4   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Na-22        | -0.0047 U  | 0.0158 | 0.0049 | 0.037  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Nb-94        | -0.0028 U  | 0.0118 | 0.0036 | 0.0214 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00007        | 40292     | Np-236       | -0.0026 U  | 0.0266 | 0.0078 | 0.047  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Np-239       | 0.0192 UJ  | 0.1    | 0.03   | 0.139  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Pa-231       | -0.274 U   | 0.6    | 0.203  | 0.936  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Pb-212       | 0.743      | 0.0274 | 0.0474 | 2.69   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Pb-214       | 0.482      | 0.0279 | 0.0273 | 1.7    | 0.00 - 0.50             |
| 8S-00007        | 40292     | Pu-238       | 0.0006 U   | 0.0145 | 0.0028 | 0.0415 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Pu-239/240   | -0.002 U   | 0.0228 | 0.0046 | 0.0404 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Pu-244       | 0.0087     | 0.0206 | 0.0063 | 0.0313 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Sb-125       | -0.0154 U  | 0.034  | 0.0108 | 0.354  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Sn-126       | -0.0042 U  | 0.0133 | 0.0041 | 0.0237 | 0.00 - 0.50             |
| 8S-00007        | 40292     | Sr-90        | 0.0383 U   | 0.181  | 0.0515 | 0.485  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Th-228       | 0.77       | 0.0729 | 0.1    | 3.98   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Th-229       | -0.0089 U  | 0.0829 | 0.0155 | 0.145  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Th-230       | 0.472      | 0.0241 | 0.071  | 2.2    | 0.00 - 0.50             |
| 8S-00007        | 40292     | Th-232       | 0.506      | 0.0653 | 0.0749 | 3.1    | 0.00 - 0.50             |
| 8S-00007        | 40292     | Th-234       | 0.798 J    | 0.202  | 0.0909 | 3.19   | 0.00 - 0.50             |
| 8S-00007        | 40292     | Tl-208       | 0.221      | 0.0131 | 0.0147 | 0.937  | 0.00 - 0.50             |
| 8S-00007        | 40292     | Tm-171       | -4.49 U    | 9.03   | 3.38   | 72.4   | 0.00 - 0.50             |
| 8S-00007        | 40292     | U-233/234    | 0.562      | 0.0735 | 0.0819 | 2.02   | 0.00 - 0.50             |
| 8S-00007        | 40292     | U-235/236    | 0.0201     | 0.0272 | 0.0143 | 0.151  | 0.00 - 0.50             |
| 8S-00007        | 40292     | U-238        | 0.601      | 0.022  | 0.084  | 1.8    | 0.00 - 0.50             |
| 8S-00007        | 40293     | Ac-227       | -0.0577 U  | 0.173  | 0.0556 | 0.217  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Am-241       | 0.0075     | 0.0145 | 0.0049 | 0.0454 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Bi-212       | 0.636 J    | 0.162  | 0.0869 | 2.15   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Bi-214       | 0.519      | 0.0342 | 0.0316 | 1.59   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Cd-113m      | 36.5 U     | 122    | 37.2   | 3030   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Cm-243/244   | -0.0049 U  | 0.0207 | 0.0037 | 0.0443 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Co-60        | -0.004 U   | 0.021  | 0.0061 | 0.028  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Cs-134       | 0.0075 U   | 0.0178 | 0.006  | 0.0864 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Cs-137       | -0.0102 UJ | 0.0202 | 0.0068 | 0.207  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00007        | 40293     | Eu-152       | -0.0046 U | 0.0464 | 0.0145 | 0.0566 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Eu-154       | -0.0312 U | 0.114  | 0.0346 | 0.15   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Eu-155       | 0.0638 JS | 0.0485 | 0.0237 | 0.231  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Ho-166m      | 0.0111 U  | 0.033  | 0.0094 | 0.0432 | 1.00 - 5.00             |
| 8S-00007        | 40293     | K-40         | 11.3      | 0.177  | 0.659  | 32.4   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Na-22        | -0.0116 U | 0.0243 | 0.0077 | 0.037  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Nb-94        | 0.0045 U  | 0.0181 | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Np-236       | -0.0104 U | 0.0274 | 0.0085 | 0.047  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Np-239       | -0.0042 U | 0.117  | 0.0356 | 0.139  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Pa-231       | -0.0521 U | 0.719  | 0.221  | 0.936  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Pb-212       | 0.969     | 0.0311 | 0.0565 | 2.69   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Pb-214       | 0.617     | 0.0307 | 0.0343 | 1.7    | 1.00 - 5.00             |
| 8S-00007        | 40293     | Pu-238       | 0.0028 U  | 0.014  | 0.0035 | 0.0415 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Pu-239/240   | 0.004 U   | 0.0198 | 0.0052 | 0.0404 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Pu-244       | 0.0022    | 0.0059 | 0.0022 | 0.0313 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Sb-125       | -0.0054 U | 0.0483 | 0.0142 | 0.354  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Sn-126       | 0.008 U   | 0.0216 | 0.0062 | 0.0237 | 1.00 - 5.00             |
| 8S-00007        | 40293     | Sr-90        | 0.0621 U  | 0.259  | 0.0749 | 0.485  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Th-228       | 0.873     | 0.0847 | 0.105  | 3.98   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Th-229       | 0.0088 U  | 0.0942 | 0.0231 | 0.145  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Th-230       | 0.567     | 0.114  | 0.083  | 2.2    | 1.00 - 5.00             |
| 8S-00007        | 40293     | Th-232       | 0.87      | 0.0236 | 0.102  | 3.1    | 1.00 - 5.00             |
| 8S-00007        | 40293     | Th-234       | 0.989 J   | 0.199  | 0.102  | 3.19   | 1.00 - 5.00             |
| 8S-00007        | 40293     | Tl-208       | 0.32      | 0.0183 | 0.0225 | 0.937  | 1.00 - 5.00             |
| 8S-00007        | 40293     | Tm-171       | 2.92 U    | 6.48   | 2.13   | 72.4   | 1.00 - 5.00             |
| 8S-00007        | 40293     | U-233/234    | 0.558     | 0.0627 | 0.0716 | 2.02   | 1.00 - 5.00             |
| 8S-00007        | 40293     | U-235/236    | 0.0233    | 0.0453 | 0.0152 | 0.151  | 1.00 - 5.00             |
| 8S-00007        | 40293     | U-238        | 0.592     | 0.0156 | 0.073  | 1.8    | 1.00 - 5.00             |
| 8S-00008        | 40294     | Ac-227       | 0.0365 U  | 0.176  | 0.0533 | 0.217  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Am-241       | 0.0064 U  | 0.0197 | 0.0056 | 0.0454 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00008        | 40294     | Bi-212       | 0.802 J   | 0.212  | 0.2    | 2.15   | 0.00 - 0.50             |
| 8S-00008        | 40294     | Bi-214       | 0.717     | 0.0285 | 0.0365 | 1.59   | 0.00 - 0.50             |
| 8S-00008        | 40294     | Cd-113m      | -6.68 U   | 120    | 37.6   | 3030   | 0.00 - 0.50             |
| 8S-00008        | 40294     | Cm-243/244   | -0.0022 U | 0.0253 | 0.0051 | 0.0443 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Co-60        | 0.0011 U  | 0.0171 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Cs-134       | 0.0084 JS | 0.0147 | 0.0052 | 0.0864 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Cs-137       | 0.176 J   | 0.0173 | 0.013  | 0.207  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Eu-152       | 0.004 U   | 0.045  | 0.0169 | 0.0566 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Eu-154       | -0.0542 U | 0.0906 | 0.0303 | 0.15   | 0.00 - 0.50             |
| 8S-00008        | 40294     | Eu-155       | 0.0389 JS | 0.0623 | 0.0202 | 0.231  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Ho-166m      | 0.0029 U  | 0.0255 | 0.0076 | 0.0432 | 0.00 - 0.50             |
| 8S-00008        | 40294     | K-40         | 18.7      | 0.11   | 1.12   | 32.4   | 0.00 - 0.50             |
| 8S-00008        | 40294     | Na-22        | 0.0011 U  | 0.0209 | 0.0061 | 0.037  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Nb-94        | 0.0041 U  | 0.0146 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Np-236       | -0.0016 U | 0.0323 | 0.0095 | 0.047  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Np-239       | -0.0197 U | 0.119  | 0.0364 | 0.139  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Pa-231       | 0.0091 U  | 0.739  | 0.224  | 0.936  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Pb-212       | 1.31      | 0.0326 | 0.0806 | 2.69   | 0.00 - 0.50             |
| 8S-00008        | 40294     | Pb-214       | 0.8       | 0.031  | 0.0416 | 1.7    | 0.00 - 0.50             |
| 8S-00008        | 40294     | Pu-238       | 0.003 U   | 0.0151 | 0.0038 | 0.0415 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Pu-239/240   | 0.0284    | 0.0064 | 0.0083 | 0.0404 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Pu-244       | 0.0054    | 0.0151 | 0.0044 | 0.0313 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Sb-125       | -0.001 U  | 0.0432 | 0.0126 | 0.354  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Sn-126       | 0.0054 U  | 0.0161 | 0.0048 | 0.0237 | 0.00 - 0.50             |
| 8S-00008        | 40294     | Sr-90        | -0.0235 U | 0.228  | 0.059  | 0.485  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Th-228       | 1.11      | 0.087  | 0.117  | 3.98   | 0.00 - 0.50             |
| 8S-00008        | 40294     | Th-229       | 0.0074 U  | 0.0688 | 0.0166 | 0.145  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Th-230       | 0.85      | 0.0796 | 0.0955 | 2.2    | 0.00 - 0.50             |
| 8S-00008        | 40294     | Th-232       | 1.13      | 0.0542 | 0.113  | 3.1    | 0.00 - 0.50             |
| 8S-00008        | 40294     | Th-234       | 1.27      | 0.246  | 0.127  | 3.19   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00008        | 40294     | Tl-208       | 0.368     | 0.0167 | 0.0225 | 0.937  | 0.00 - 0.50             |
| 8S-00008        | 40294     | Tm-171       | 2.15 U    | 11     | 3.83   | 72.4   | 0.00 - 0.50             |
| 8S-00008        | 40294     | U-233/234    | 0.687     | 0.0316 | 0.0721 | 2.02   | 0.00 - 0.50             |
| 8S-00008        | 40294     | U-235/236    | 0.0559    | 0.0316 | 0.018  | 0.151  | 0.00 - 0.50             |
| 8S-00008        | 40294     | U-238        | 0.612     | 0.0316 | 0.0663 | 1.8    | 0.00 - 0.50             |
| 8S-00008        | 40295     | Ac-227       | -0.0151 U | 0.137  | 0.0403 | 0.217  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Am-241       | 0.0172    | 0.0067 | 0.0066 | 0.0454 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Bi-212       | 0.654     | 0.103  | 0.0598 | 2.15   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Bi-214       | 0.456     | 0.0239 | 0.0253 | 1.59   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Cd-113m      | -1.38 U   | 91.4   | 27.7   | 3030   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Cm-243/244   | -0.0022 U | 0.0248 | 0.005  | 0.0443 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Co-60        | -0.0002 U | 0.0141 | 0.0041 | 0.028  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Cs-134       | -0.0015 U | 0.0115 | 0.0039 | 0.0864 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Cs-137       | 0.0146 J  | 0.0143 | 0.0052 | 0.207  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Eu-152       | -0.0217 U | 0.0344 | 0.0126 | 0.0566 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Eu-154       | -0.0298 U | 0.0738 | 0.0229 | 0.15   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Eu-155       | 0.0343 JS | 0.0487 | 0.0165 | 0.231  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Ho-166m      | 0.0036 U  | 0.0206 | 0.006  | 0.0432 | 1.00 - 3.00             |
| 8S-00008        | 40295     | K-40         | 10.9      | 0.102  | 0.604  | 32.4   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Na-22        | -0.0102 U | 0.0153 | 0.0053 | 0.037  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Nb-94        | -0.0002 U | 0.0122 | 0.0036 | 0.0214 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Np-236       | -0.0086 U | 0.0255 | 0.0081 | 0.047  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Np-239       | 0.0378 U  | 0.0918 | 0.0278 | 0.139  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Pa-231       | -0.288 U  | 0.562  | 0.183  | 0.936  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Pb-212       | 0.815     | 0.0234 | 0.048  | 2.69   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Pb-214       | 0.488     | 0.0256 | 0.0265 | 1.7    | 1.00 - 3.00             |
| 8S-00008        | 40295     | Pu-238       | -0.0016 U | 0.0141 | 0.0027 | 0.0415 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Pu-239/240   | 0.0072    | 0.0141 | 0.0047 | 0.0404 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Pu-244       | 0.0117    | 0.0141 | 0.0057 | 0.0313 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Sb-125       | 0.0171 JS | 0.0336 | 0.0105 | 0.354  | 1.00 - 3.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00008        | 40295     | Sn-126       | -0.0008 U  | 0.0129 | 0.0038 | 0.0237 | 1.00 - 3.00             |
| 8S-00008        | 40295     | Sr-90        | -0.0146 U  | 0.232  | 0.0617 | 0.485  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Th-228       | 0.869      | 0.0898 | 0.108  | 3.98   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Th-229       | 0.0186 UJ  | 0.0684 | 0.0186 | 0.145  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Th-230       | 0.491      | 0.0683 | 0.0754 | 2.2    | 1.00 - 3.00             |
| 8S-00008        | 40295     | Th-232       | 0.767      | 0.0251 | 0.097  | 3.1    | 1.00 - 3.00             |
| 8S-00008        | 40295     | Th-234       | 0.75 J     | 0.19   | 0.0919 | 3.19   | 1.00 - 3.00             |
| 8S-00008        | 40295     | Tl-208       | 0.27       | 0.0132 | 0.0166 | 0.937  | 1.00 - 3.00             |
| 8S-00008        | 40295     | Tm-171       | 1.59 U     | 7.99   | 2.65   | 72.4   | 1.00 - 3.00             |
| 8S-00008        | 40295     | U-233/234    | 0.409      | 0.044  | 0.0544 | 2.02   | 1.00 - 3.00             |
| 8S-00008        | 40295     | U-235/236    | 0.0421     | 0.0163 | 0.0162 | 0.151  | 1.00 - 3.00             |
| 8S-00008        | 40295     | U-238        | 0.502      | 0.031  | 0.0617 | 1.8    | 1.00 - 3.00             |
| 8S-00009        | 40296     | Ac-227       | -0.05 U    | 0.143  | 0.0443 | 0.217  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Am-241       | 0.0106     | 0.0072 | 0.0053 | 0.0454 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Bi-212       | 0.778      | 0.108  | 0.0674 | 2.15   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Bi-214       | 0.723      | 0.0236 | 0.0352 | 1.59   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Cd-113m      | 13.2 U     | 99     | 30.3   | 3030   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Cm-243/244   | 0.0068 U   | 0.021  | 0.006  | 0.0443 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Co-60        | -0.0002 U  | 0.0145 | 0.0043 | 0.028  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Cs-134       | -0.0038 U  | 0.0124 | 0.0044 | 0.0864 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Cs-137       | 0.0797     | 0.0131 | 0.0083 | 0.207  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Eu-152       | -0.0236 U  | 0.0362 | 0.0129 | 0.0566 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Eu-154       | -0.0408 UJ | 0.0781 | 0.0253 | 0.15   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Eu-155       | 0.0852 SJ  | 0.0498 | 0.0214 | 0.231  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Ho-166m      | -0.0032 U  | 0.021  | 0.0063 | 0.0432 | 0.00 - 0.50             |
| 8S-00009        | 40296     | K-40         | 15.6       | 0.103  | 0.936  | 32.4   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Na-22        | -0.0085 U  | 0.0172 | 0.0056 | 0.037  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Nb-94        | 0.0038 U   | 0.0121 | 0.0036 | 0.0214 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Np-236       | -0.0073 U  | 0.0263 | 0.0083 | 0.047  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Np-239       | 0.0404 UJ  | 0.0955 | 0.0294 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00009        | 40296     | Pa-231       | 0.193 U   | 0.6    | 0.188  | 0.936  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Pb-212       | 1.18      | 0.0253 | 0.0789 | 2.69   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Pb-214       | 0.86      | 0.0249 | 0.0451 | 1.7    | 0.00 - 0.50             |
| 8S-00009        | 40296     | Pu-238       | 0.0073 U  | 0.0235 | 0.0067 | 0.0415 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Pu-239/240   | 0.0036 U  | 0.0184 | 0.0047 | 0.0404 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Pu-244       | 0.0163    | 0.0063 | 0.0062 | 0.0313 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Sb-125       | 0.0099 U  | 0.0355 | 0.0109 | 0.354  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Sn-126       | -0.0004 U | 0.0129 | 0.0038 | 0.0237 | 0.00 - 0.50             |
| 8S-00009        | 40296     | Sr-90        | -0.0626 U | 0.19   | 0.0471 | 0.485  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Th-228       | 0.861     | 0.122  | 0.105  | 3.98   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Th-229       | 0 U       | 0.0937 | 0.0221 | 0.145  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Th-230       | 0.529     | 0.0573 | 0.0725 | 2.2    | 0.00 - 0.50             |
| 8S-00009        | 40296     | Th-232       | 0.791     | 0.021  | 0.0917 | 3.1    | 0.00 - 0.50             |
| 8S-00009        | 40296     | Th-234       | 1.12 J    | 0.217  | 0.12   | 3.19   | 0.00 - 0.50             |
| 8S-00009        | 40296     | Tl-208       | 0.356     | 0.0141 | 0.0206 | 0.937  | 0.00 - 0.50             |
| 8S-00009        | 40296     | Tm-171       | 1.54 U    | 11.7   | 3.88   | 72.4   | 0.00 - 0.50             |
| 8S-00009        | 40296     | U-233/234    | 0.652 J   | 0.0334 | 0.105  | 2.02   | 0.00 - 0.50             |
| 8S-00009        | 40296     | U-235/236    | 0.0305 J  | 0.0413 | 0.0217 | 0.151  | 0.00 - 0.50             |
| 8S-00009        | 40296     | U-238        | 0.889 J   | 0.141  | 0.133  | 1.8    | 0.00 - 0.50             |
| 8S-00009        | 40297     | Ac-227       | -0.04 U   | 0.169  | 0.0507 | 0.217  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Am-241       | 0.0008 U  | 0.0171 | 0.0033 | 0.0454 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Bi-212       | 0.596 J   | 0.194  | 0.152  | 2.15   | 1.00 - 5.00             |
| 8S-00009        | 40297     | Bi-214       | 0.572     | 0.0284 | 0.0308 | 1.59   | 1.00 - 5.00             |
| 8S-00009        | 40297     | Cd-113m      | -21.9 U   | 110    | 34.1   | 3030   | 1.00 - 5.00             |
| 8S-00009        | 40297     | Cm-243/244   | 0.0108    | 0.0073 | 0.0054 | 0.0443 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Co-60        | -0.0078 U | 0.0172 | 0.0056 | 0.028  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Cs-134       | -0.0017 U | 0.0138 | 0.0047 | 0.0864 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Cs-137       | -0.0039 U | 0.016  | 0.0049 | 0.207  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Eu-152       | 0.0233 J  | 0.0434 | 0.0153 | 0.0566 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Eu-154       | -0.0349 U | 0.0978 | 0.0302 | 0.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00009        | 40297     | Eu-155       | 0.0463 JS  | 0.058  | 0.0224 | 0.231  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Ho-166m      | 0.0025 U   | 0.0258 | 0.0076 | 0.0432 | 1.00 - 5.00             |
| 8S-00009        | 40297     | K-40         | 15.9       | 0.133  | 0.984  | 32.4   | 1.00 - 5.00             |
| 8S-00009        | 40297     | Na-22        | 0.0027 U   | 0.022  | 0.0064 | 0.037  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Nb-94        | 0.0061 U   | 0.0148 | 0.0045 | 0.0214 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Np-236       | -0.0091 U  | 0.0314 | 0.0098 | 0.047  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Np-239       | -0.0057 UJ | 0.112  | 0.0327 | 0.139  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Pa-231       | -0.173 U   | 0.684  | 0.208  | 0.936  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Pb-212       | 1.12       | 0.0287 | 0.0679 | 2.69   | 1.00 - 5.00             |
| 8S-00009        | 40297     | Pb-214       | 0.683      | 0.0295 | 0.0357 | 1.7    | 1.00 - 5.00             |
| 8S-00009        | 40297     | Pu-238       | 0.0109     | 0.0059 | 0.0049 | 0.0415 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Pu-239/240   | 0.0006 U   | 0.0139 | 0.0027 | 0.0404 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Pu-244       | 0.0044     | 0.0059 | 0.0031 | 0.0313 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Sb-125       | 0.0148 U   | 0.0404 | 0.0124 | 0.354  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Sn-126       | 0.0023 U   | 0.0163 | 0.0048 | 0.0237 | 1.00 - 5.00             |
| 8S-00009        | 40297     | Sr-90        | -0.0689 U  | 0.297  | 0.0702 | 0.485  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Th-228       | 1.25       | 0.0855 | 0.121  | 3.98   | 1.00 - 5.00             |
| 8S-00009        | 40297     | Th-229       | 0.0137 U   | 0.0505 | 0.0137 | 0.145  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Th-230       | 0.911      | 0.0636 | 0.0957 | 2.2    | 1.00 - 5.00             |
| 8S-00009        | 40297     | Th-232       | 0.956      | 0.082  | 0.0996 | 3.1    | 1.00 - 5.00             |
| 8S-00009        | 40297     | Th-234       | 1.26 J     | 0.248  | 0.145  | 3.19   | 1.00 - 5.00             |
| 8S-00009        | 40297     | Tl-208       | 0.352      | 0.0158 | 0.0207 | 0.937  | 1.00 - 5.00             |
| 8S-00009        | 40297     | Tm-171       | -2.81 U    | 12.9   | 4.29   | 72.4   | 1.00 - 5.00             |
| 8S-00009        | 40297     | U-233/234    | 0.78       | 0.0346 | 0.0869 | 2.02   | 1.00 - 5.00             |
| 8S-00009        | 40297     | U-235/236    | 0.109      | 0.0427 | 0.0292 | 0.151  | 1.00 - 5.00             |
| 8S-00009        | 40297     | U-238        | 0.906      | 0.0147 | 0.0967 | 1.8    | 1.00 - 5.00             |
| 8S-00010        | 40298     | Ac-227       | 0.0804 U   | 0.195  | 0.0617 | 0.217  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Am-241       | 0.027      | 0.0184 | 0.0089 | 0.0454 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Bi-212       | 0.758 J    | 0.132  | 0.0773 | 2.15   | 0.00 - 0.50             |
| 8S-00010        | 40298     | Bi-214       | 0.729      | 0.0295 | 0.0356 | 1.59   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00010        | 40298     | Cd-113m      | 23.8 U    | 135    | 47.1   | 3030   | 0.00 - 0.50             |
| 8S-00010        | 40298     | Cm-243/244   | -0.0082 U | 0.0322 | 0.0065 | 0.0443 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Co-60        | 0.0047 U  | 0.0178 | 0.0052 | 0.028  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Cs-134       | -0.0003 U | 0.0157 | 0.0054 | 0.0864 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Cs-137       | 0.266 J   | 0.0158 | 0.0169 | 0.207  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Eu-152       | 0.0215 U  | 0.0492 | 0.0208 | 0.0566 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Eu-154       | -0.0331 U | 0.093  | 0.0287 | 0.15   | 0.00 - 0.50             |
| 8S-00010        | 40298     | Eu-155       | 0.0518 JS | 0.0721 | 0.0244 | 0.231  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Ho-166m      | -0.0033 U | 0.0246 | 0.0074 | 0.0432 | 0.00 - 0.50             |
| 8S-00010        | 40298     | K-40         | 17        | 0.15   | 1.04   | 32.4   | 0.00 - 0.50             |
| 8S-00010        | 40298     | Na-22        | -0.0098 U | 0.0199 | 0.0065 | 0.037  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Nb-94        | 0.0009 U  | 0.0142 | 0.0042 | 0.0214 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Np-236       | 0.0177 U  | 0.0375 | 0.0118 | 0.047  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Np-239       | 0.0045 U  | 0.133  | 0.0405 | 0.139  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Pa-231       | -0.0007 U | 0.805  | 0.255  | 0.936  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Pb-212       | 1.29      | 0.0363 | 0.0799 | 2.69   | 0.00 - 0.50             |
| 8S-00010        | 40298     | Pb-214       | 0.819     | 0.0343 | 0.0417 | 1.7    | 0.00 - 0.50             |
| 8S-00010        | 40298     | Pu-238       | 0.0017 U  | 0.018  | 0.0043 | 0.0415 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Pu-239/240   | 0.0037 U  | 0.018  | 0.0047 | 0.0404 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Pu-244       | 0.008     | 0.0054 | 0.004  | 0.0313 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Sb-125       | 0.0026 U  | 0.0451 | 0.0132 | 0.354  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Sn-126       | 0.003 U   | 0.0166 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8S-00010        | 40298     | Sr-90        | 0.0145 U  | 0.154  | 0.0412 | 0.485  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Th-228       | 1.18      | 0.102  | 0.125  | 3.98   | 0.00 - 0.50             |
| 8S-00010        | 40298     | Th-229       | 0.0547    | 0.0575 | 0.0237 | 0.145  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Th-230       | 0.827     | 0.084  | 0.0962 | 2.2    | 0.00 - 0.50             |
| 8S-00010        | 40298     | Th-232       | 1.06      | 0.0211 | 0.111  | 3.1    | 0.00 - 0.50             |
| 8S-00010        | 40298     | Th-234       | 1.04 J    | 0.299  | 0.126  | 3.19   | 0.00 - 0.50             |
| 8S-00010        | 40298     | Tl-208       | 0.374     | 0.0182 | 0.0224 | 0.937  | 0.00 - 0.50             |
| 8S-00010        | 40298     | Tm-171       | -0.632 U  | 15.2   | 5.08   | 72.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00010        | 40298     | U-233/234    | 0.645      | 0.0437 | 0.0666 | 2.02   | 0.00 - 0.50             |
| 8S-00010        | 40298     | U-235/236    | 0.0497     | 0.0475 | 0.0186 | 0.151  | 0.00 - 0.50             |
| 8S-00010        | 40298     | U-238        | 0.762      | 0.046  | 0.0753 | 1.8    | 0.00 - 0.50             |
| 8S-00010        | 40299     | Ac-227       | -0.042 U   | 0.215  | 0.0645 | 0.217  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Am-241       | 0.0146     | 0.024  | 0.008  | 0.0454 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Bi-212       | 0.724 J    | 0.155  | 0.0968 | 2.15   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Bi-214       | 0.819      | 0.0342 | 0.0428 | 1.59   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Cd-113m      | 31.5 U     | 143    | 42.5   | 3030   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Cm-243/244   | 0.0082 U   | 0.0262 | 0.0075 | 0.0443 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Co-60        | 0.0061 U   | 0.0209 | 0.006  | 0.028  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Cs-134       | 0.0147 JS  | 0.0179 | 0.0065 | 0.0864 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Cs-137       | 0.0438     | 0.0225 | 0.0089 | 0.207  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Eu-152       | -0.0446 UJ | 0.0514 | 0.0205 | 0.0566 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Eu-154       | -0.0122 U  | 0.116  | 0.0335 | 0.15   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Eu-155       | 0.0135 U   | 0.075  | 0.0228 | 0.231  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Ho-166m      | -0.0101 U  | 0.0308 | 0.0096 | 0.0432 | 1.00 - 5.00             |
| 8S-00010        | 40299     | K-40         | 17.5       | 0.174  | 1.07   | 32.4   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Na-22        | -0.0009 U  | 0.0251 | 0.0073 | 0.037  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Nb-94        | 0.0087 U   | 0.0189 | 0.0058 | 0.0214 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Np-236       | -0.0109 U  | 0.0399 | 0.0125 | 0.047  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Np-239       | -0.0485 UJ | 0.139  | 0.0428 | 0.139  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Pa-231       | -0.105 U   | 0.887  | 0.264  | 0.936  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Pb-212       | 1.28       | 0.0372 | 0.0866 | 2.69   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Pb-214       | 0.916      | 0.0365 | 0.0511 | 1.7    | 1.00 - 5.00             |
| 8S-00010        | 40299     | Pu-238       | -0.001 U   | 0.0178 | 0.0032 | 0.0415 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Pu-239/240   | 0.0003 U   | 0.0226 | 0.0051 | 0.0404 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Pu-244       | -0.0016 U  | 0.0143 | 0.0028 | 0.0313 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Sb-125       | 0.0231 U   | 0.0521 | 0.0162 | 0.354  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Sn-126       | -0.0069 U  | 0.0198 | 0.0062 | 0.0237 | 1.00 - 5.00             |
| 8S-00010        | 40299     | Sr-90        | -0.0027 U  | 0.231  | 0.0636 | 0.485  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00010        | 40299     | Th-228       | 0.988     | 0.129  | 0.107  | 3.98   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Th-229       | 0.0342    | 0.0504 | 0.0182 | 0.145  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Th-230       | 0.854     | 0.0635 | 0.0921 | 2.2    | 1.00 - 5.00             |
| 8S-00010        | 40299     | Th-232       | 0.96      | 0.0185 | 0.0983 | 3.1    | 1.00 - 5.00             |
| 8S-00010        | 40299     | Th-234       | 1.43 J    | 0.327  | 0.167  | 3.19   | 1.00 - 5.00             |
| 8S-00010        | 40299     | Tl-208       | 0.394     | 0.0203 | 0.0252 | 0.937  | 1.00 - 5.00             |
| 8S-00010        | 40299     | Tm-171       | -0.983 U  | 16.4   | 5.47   | 72.4   | 1.00 - 5.00             |
| 8S-00010        | 40299     | U-233/234    | 0.747     | 0.0482 | 0.0841 | 2.02   | 1.00 - 5.00             |
| 8S-00010        | 40299     | U-235/236    | 0.0395    | 0.0178 | 0.0164 | 0.151  | 1.00 - 5.00             |
| 8S-00010        | 40299     | U-238        | 0.94      | 0.042  | 0.0991 | 1.8    | 1.00 - 5.00             |
| 8S-00011        | 40300     | Ac-227       | 0.0069 U  | 0.167  | 0.0489 | 0.217  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Am-241       | 0.0091    | 0.0202 | 0.0063 | 0.0454 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Bi-212       | 0.723     | 0.12   | 0.0639 | 2.15   | 0.00 - 0.50             |
| 8S-00011        | 40300     | Bi-214       | 0.752     | 0.0267 | 0.0371 | 1.59   | 0.00 - 0.50             |
| 8S-00011        | 40300     | Cd-113m      | -2.36 U   | 112    | 33.9   | 3030   | 0.00 - 0.50             |
| 8S-00011        | 40300     | Cm-243/244   | 0.0015 U  | 0.0204 | 0.0045 | 0.0443 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Co-60        | 0.004 U   | 0.0165 | 0.0047 | 0.028  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Cs-134       | 0.0011 U  | 0.0138 | 0.0048 | 0.0864 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Cs-137       | 0.212     | 0.0165 | 0.0137 | 0.207  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Eu-152       | -0.0017 U | 0.0403 | 0.0119 | 0.0566 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Eu-154       | -0.0513 U | 0.0884 | 0.0298 | 0.15   | 0.00 - 0.50             |
| 8S-00011        | 40300     | Eu-155       | 0.0728 JS | 0.0565 | 0.0235 | 0.231  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Ho-166m      | -0.0083 U | 0.0229 | 0.0071 | 0.0432 | 0.00 - 0.50             |
| 8S-00011        | 40300     | K-40         | 18.2      | 0.112  | 1.03   | 32.4   | 0.00 - 0.50             |
| 8S-00011        | 40300     | Na-22        | -0.0051 U | 0.0179 | 0.0056 | 0.037  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Nb-94        | 0.0026 U  | 0.0131 | 0.0038 | 0.0214 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Np-236       | -0.0006 U | 0.0302 | 0.0092 | 0.047  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Np-239       | 0.0028 U  | 0.111  | 0.0322 | 0.139  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Pa-231       | -0.263 U  | 0.67   | 0.209  | 0.936  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Pb-212       | 1.29      | 0.03   | 0.0778 | 2.69   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00011        | 40300     | Pb-214       | 0.813     | 0.0289 | 0.0409 | 1.7    | 0.00 - 0.50             |
| 8S-00011        | 40300     | Pu-238       | -0.0037 U | 0.0205 | 0.0037 | 0.0415 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Pu-239/240   | 0.0041 U  | 0.0205 | 0.0052 | 0.0404 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Pu-244       | 0.0007 U  | 0.0165 | 0.0032 | 0.0313 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Sb-125       | 0.0103 U  | 0.0399 | 0.012  | 0.354  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Sn-126       | 0.0097 J  | 0.0154 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8S-00011        | 40300     | Sr-90        | 0.191     | 0.285  | 0.0911 | 0.485  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Th-228       | 0.946     | 0.195  | 0.126  | 3.98   | 0.00 - 0.50             |
| 8S-00011        | 40300     | Th-229       | 0.0369    | 0.0679 | 0.0227 | 0.145  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Th-230       | 0.672     | 0.0249 | 0.0897 | 2.2    | 0.00 - 0.50             |
| 8S-00011        | 40300     | Th-232       | 0.973     | 0.0676 | 0.114  | 3.1    | 0.00 - 0.50             |
| 8S-00011        | 40300     | Th-234       | 1.23 J    | 0.235  | 0.133  | 3.19   | 0.00 - 0.50             |
| 8S-00011        | 40300     | Tl-208       | 0.394     | 0.0154 | 0.0227 | 0.937  | 0.00 - 0.50             |
| 8S-00011        | 40300     | Tm-171       | -5.4 U    | 9.8    | 3.58   | 72.4   | 0.00 - 0.50             |
| 8S-00011        | 40300     | U-233/234    | 0.619     | 0.038  | 0.0763 | 2.02   | 0.00 - 0.50             |
| 8S-00011        | 40300     | U-235/236    | 0.0737    | 0.02   | 0.0239 | 0.151  | 0.00 - 0.50             |
| 8S-00011        | 40300     | U-238        | 0.771     | 0.038  | 0.0888 | 1.8    | 0.00 - 0.50             |
| 8S-00011        | 40301     | Ac-227       | -0.0269 U | 0.192  | 0.0576 | 0.217  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Am-241       | 0.0132    | 0.0255 | 0.0086 | 0.0454 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Bi-212       | 0.613 J   | 0.129  | 0.0725 | 2.15   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Bi-214       | 0.594     | 0.0293 | 0.0319 | 1.59   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Cd-113m      | -35.3 U   | 124    | 38     | 3030   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Cm-243/244   | 0.0092    | 0.0256 | 0.0076 | 0.0443 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Co-60        | 0.0012 U  | 0.018  | 0.0052 | 0.028  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Cs-134       | 0.0015 U  | 0.0152 | 0.0051 | 0.0864 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Cs-137       | 0.0196 J  | 0.0183 | 0.0065 | 0.207  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Eu-152       | -0.0065 U | 0.0479 | 0.0151 | 0.0566 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Eu-154       | -0.0548 U | 0.0945 | 0.0314 | 0.15   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Eu-155       | 0.0337 JS | 0.0676 | 0.0241 | 0.231  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Ho-166m      | -0.0013 U | 0.027  | 0.008  | 0.0432 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00011        | 40301     | K-40         | 14         | 0.133  | 0.88   | 32.4   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Na-22        | -0.0153 UJ | 0.0199 | 0.0072 | 0.037  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Nb-94        | 0.0001 U   | 0.0165 | 0.0049 | 0.0214 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Np-236       | 0.0102 U   | 0.036  | 0.0125 | 0.047  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Np-239       | -0.0053 U  | 0.126  | 0.0372 | 0.139  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Pa-231       | -0.0583 U  | 0.792  | 0.245  | 0.936  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Pb-212       | 1.04       | 0.0332 | 0.0684 | 2.69   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Pb-214       | 0.675      | 0.0332 | 0.0365 | 1.7    | 1.00 - 5.00             |
| 8S-00011        | 40301     | Pu-238       | -0.0018 U  | 0.0159 | 0.0031 | 0.0415 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Pu-239/240   | 0.0014 U   | 0.0197 | 0.0044 | 0.0404 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Pu-244       | 0.0025     | 0.0068 | 0.0025 | 0.0313 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Sb-125       | 0.0033 U   | 0.0448 | 0.0135 | 0.354  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Sn-126       | -0.0032 U  | 0.0178 | 0.0054 | 0.0237 | 1.00 - 5.00             |
| 8S-00011        | 40301     | Sr-90        | 1.5        | 0.238  | 0.196  | 0.485  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Th-228       | 0.748      | 0.168  | 0.104  | 3.98   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Th-229       | 0.0601     | 0.0797 | 0.0287 | 0.145  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Th-230       | 0.591      | 0.0631 | 0.081  | 2.2    | 1.00 - 5.00             |
| 8S-00011        | 40301     | Th-232       | 0.743      | 0.0629 | 0.0929 | 3.1    | 1.00 - 5.00             |
| 8S-00011        | 40301     | Th-234       | 0.867 J    | 0.365  | 0.241  | 3.19   | 1.00 - 5.00             |
| 8S-00011        | 40301     | Tl-208       | 0.308      | 0.0172 | 0.0199 | 0.937  | 1.00 - 5.00             |
| 8S-00011        | 40301     | Tm-171       | -16.6 UJ   | 15.1   | 6.18   | 72.4   | 1.00 - 5.00             |
| 8S-00011        | 40301     | U-233/234    | 0.457      | 0.0401 | 0.0592 | 2.02   | 1.00 - 5.00             |
| 8S-00011        | 40301     | U-235/236    | 0.0377     | 0.017  | 0.0156 | 0.151  | 1.00 - 5.00             |
| 8S-00011        | 40301     | U-238        | 0.621      | 0.0324 | 0.0724 | 1.8    | 1.00 - 5.00             |
| 8S-00012        | 40302     | Ac-227       | 0.0453 U   | 0.178  | 0.0535 | 0.217  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Am-241       | 0.0048     | 0.0133 | 0.0039 | 0.0454 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Bi-212       | 0.906      | 0.13   | 0.0795 | 2.15   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Bi-214       | 0.646      | 0.0266 | 0.0362 | 1.59   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Cd-113m      | -3.99 U    | 117    | 36.1   | 3030   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Cm-243/244   | -0.0024 U  | 0.019  | 0.0034 | 0.0443 | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00012        | 40302     | Co-60        | 0.004 U    | 0.0164 | 0.0048 | 0.028  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Cs-134       | 0.0089 JS  | 0.0151 | 0.0052 | 0.0864 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Cs-137       | 0.0655     | 0.017  | 0.0097 | 0.207  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Eu-152       | -0.0244 U  | 0.0428 | 0.0154 | 0.0566 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Eu-154       | -0.0546 U  | 0.0855 | 0.0295 | 0.15   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Eu-155       | 0.0683 JS  | 0.0623 | 0.0221 | 0.231  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Ho-166m      | 0.003 U    | 0.0242 | 0.007  | 0.0432 | 0.00 - 0.50             |
| 8S-00012        | 40302     | K-40         | 17.8       | 0.121  | 1.03   | 32.4   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Na-22        | -0.0075 U  | 0.0197 | 0.0063 | 0.037  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Nb-94        | 0.0084 J   | 0.0143 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Np-236       | -0.0238 UJ | 0.0327 | 0.0112 | 0.047  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Np-239       | 0.0475 U   | 0.117  | 0.0359 | 0.139  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Pa-231       | -0.0286 U  | 0.721  | 0.215  | 0.936  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Pb-212       | 1.37       | 0.0322 | 0.087  | 2.69   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Pb-214       | 0.723      | 0.0299 | 0.0382 | 1.7    | 0.00 - 0.50             |
| 8S-00012        | 40302     | Pu-238       | 0.0036 U   | 0.0179 | 0.0045 | 0.0415 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Pu-239/240   | 0.0036 U   | 0.0179 | 0.0045 | 0.0404 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Pu-244       | 0.0028     | 0.0076 | 0.0028 | 0.0313 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Sb-125       | 0.0124 U   | 0.043  | 0.0131 | 0.354  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Sn-126       | -0.0003 U  | 0.0154 | 0.0045 | 0.0237 | 0.00 - 0.50             |
| 8S-00012        | 40302     | Sr-90        | 0.903      | 0.22   | 0.141  | 0.485  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Th-228       | 1.18       | 0.0833 | 0.12   | 3.98   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Th-229       | 0.0214 U   | 0.077  | 0.0215 | 0.145  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Th-230       | 0.777      | 0.0193 | 0.0875 | 2.2    | 0.00 - 0.50             |
| 8S-00012        | 40302     | Th-232       | 1.07       | 0.0193 | 0.108  | 3.1    | 0.00 - 0.50             |
| 8S-00012        | 40302     | Th-234       | 1.27 J     | 0.263  | 0.135  | 3.19   | 0.00 - 0.50             |
| 8S-00012        | 40302     | Tl-208       | 0.432      | 0.0162 | 0.0254 | 0.937  | 0.00 - 0.50             |
| 8S-00012        | 40302     | Tm-171       | 0.211 U    | 11.8   | 4.09   | 72.4   | 0.00 - 0.50             |
| 8S-00012        | 40302     | U-233/234    | 0.626      | 0.0453 | 0.0761 | 2.02   | 0.00 - 0.50             |
| 8S-00012        | 40302     | U-235/236    | 0.0374     | 0.0452 | 0.0183 | 0.151  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00012        | 40302     | U-238        | 0.806      | 0.0453 | 0.0907 | 1.8    | 0.00 - 0.50             |
| 8S-00012        | 40303     | Ac-227       | -0.138 U   | 0.194  | 0.0699 | 0.217  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Am-241       | 0.0245     | 0.033  | 0.0114 | 0.0454 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Bi-212       | 0.615 J    | 0.141  | 0.0685 | 2.15   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Bi-214       | 0.692      | 0.0304 | 0.036  | 1.59   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Cd-113m      | -22.9 U    | 134    | 43.3   | 3030   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Cm-243/244   | 0.0011 U   | 0.0309 | 0.0073 | 0.0443 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Co-60        | -0.0008 U  | 0.0188 | 0.0055 | 0.028  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Cs-134       | -0.0042 U  | 0.0153 | 0.0053 | 0.0864 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Cs-137       | -0.0078 UJ | 0.0176 | 0.0056 | 0.207  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Eu-152       | -0.0218 U  | 0.0468 | 0.0171 | 0.0566 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Eu-154       | -0.0239 U  | 0.0967 | 0.0298 | 0.15   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Eu-155       | 0.0101 U   | 0.0742 | 0.022  | 0.231  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Ho-166m      | 0.0017 U   | 0.0268 | 0.0078 | 0.0432 | 1.00 - 5.00             |
| 8S-00012        | 40303     | K-40         | 14.5       | 0.135  | 0.915  | 32.4   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Na-22        | -0.0066 U  | 0.0226 | 0.0069 | 0.037  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Nb-94        | -0.0004 U  | 0.0151 | 0.0044 | 0.0214 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Np-236       | -0.0046 U  | 0.0395 | 0.0118 | 0.047  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Np-239       | -0.0435 U  | 0.132  | 0.0422 | 0.139  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Pa-231       | 0.0198 U   | 0.839  | 0.281  | 0.936  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Pb-212       | 1.13       | 0.0343 | 0.0756 | 2.69   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Pb-214       | 0.774      | 0.035  | 0.0414 | 1.7    | 1.00 - 5.00             |
| 8S-00012        | 40303     | Pu-238       | -0.0015 U  | 0.0135 | 0.0026 | 0.0415 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Pu-239/240   | 0.0039 U   | 0.0192 | 0.005  | 0.0404 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Pu-244       | 0          | 0.0057 | 0.0021 | 0.0313 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Sb-125       | -0.0008 U  | 0.0454 | 0.0135 | 0.354  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Sn-126       | 0.0029 U   | 0.0176 | 0.0051 | 0.0237 | 1.00 - 5.00             |
| 8S-00012        | 40303     | Sr-90        | -0.0021 U  | 0.168  | 0.0449 | 0.485  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Th-228       | 1.05       | 0.0907 | 0.123  | 3.98   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Th-229       | 0.0658     | 0.0692 | 0.0285 | 0.145  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00012        | 40303     | Th-230       | 0.563     | 0.0872 | 0.0831 | 2.2    | 1.00 - 5.00             |
| 8S-00012        | 40303     | Th-232       | 0.963     | 0.0253 | 0.113  | 3.1    | 1.00 - 5.00             |
| 8S-00012        | 40303     | Th-234       | 1.08 J    | 0.345  | 0.143  | 3.19   | 1.00 - 5.00             |
| 8S-00012        | 40303     | Tl-208       | 0.336     | 0.0169 | 0.0207 | 0.937  | 1.00 - 5.00             |
| 8S-00012        | 40303     | Tm-171       | -10.5 U   | 19.2   | 6.92   | 72.4   | 1.00 - 5.00             |
| 8S-00012        | 40303     | U-233/234    | 0.628     | 0.0289 | 0.0629 | 2.02   | 1.00 - 5.00             |
| 8S-00012        | 40303     | U-235/236    | 0.0485    | 0.0252 | 0.0149 | 0.151  | 1.00 - 5.00             |
| 8S-00012        | 40303     | U-238        | 0.677     | 0.0289 | 0.0665 | 1.8    | 1.00 - 5.00             |
| 8S-00013        | 40304     | Ac-227       | -0.0176 U | 0.15   | 0.0466 | 0.217  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Am-241       | 0.0003 U  | 0.023  | 0.0052 | 0.0454 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Bi-212       | 0.978     | 0.131  | 0.0904 | 2.15   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Bi-214       | 0.838     | 0.028  | 0.0405 | 1.59   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Cd-113m      | 30.5 U    | 102    | 32     | 3030   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Cm-243/244   | -0.0037 U | 0.0252 | 0.005  | 0.0443 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Co-60        | 0.0017 U  | 0.0177 | 0.005  | 0.028  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Cs-134       | 0.0053 U  | 0.0151 | 0.0052 | 0.0864 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Cs-137       | 0.083     | 0.0179 | 0.0087 | 0.207  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Eu-152       | -0.0272 U | 0.0391 | 0.0137 | 0.0566 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Eu-154       | 0.0033 UJ | 0.0964 | 0.0284 | 0.15   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Eu-155       | 0.0743 SJ | 0.0438 | 0.02   | 0.231  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Ho-166m      | -0.0071 U | 0.0251 | 0.0075 | 0.0432 | 0.00 - 0.50             |
| 8S-00013        | 40304     | K-40         | 19.5      | 0.128  | 1.07   | 32.4   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Na-22        | -0.0063 U | 0.0215 | 0.0065 | 0.037  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Nb-94        | 0.0033 U  | 0.0153 | 0.0045 | 0.0214 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Np-236       | -0.0058 U | 0.024  | 0.0072 | 0.047  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Np-239       | 0.0147 UJ | 0.0991 | 0.0304 | 0.139  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Pa-231       | 0.0036 U  | 0.615  | 0.19   | 0.936  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Pb-212       | 1.3       | 0.0266 | 0.0725 | 2.69   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Pb-214       | 0.89      | 0.0291 | 0.042  | 1.7    | 0.00 - 0.50             |
| 8S-00013        | 40304     | Pu-238       | -0.0015 U | 0.0134 | 0.0026 | 0.0415 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00013        | 40304     | Pu-239/240   | 0.0006 U   | 0.0134 | 0.0026 | 0.0404 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Pu-244       | 0.0012 U   | 0.0166 | 0.0037 | 0.0313 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Sb-125       | -0.0005 U  | 0.0417 | 0.0123 | 0.354  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Sn-126       | -0.0036 U  | 0.0166 | 0.0049 | 0.0237 | 0.00 - 0.50             |
| 8S-00013        | 40304     | Sr-90        | 0.0228 U   | 0.14   | 0.0388 | 0.485  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Th-228       | 1.25       | 0.0651 | 0.13   | 3.98   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Th-229       | 0.008 U    | 0.074  | 0.0178 | 0.145  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Th-230       | 0.875      | 0.0739 | 0.1    | 2.2    | 0.00 - 0.50             |
| 8S-00013        | 40304     | Th-232       | 0.975      | 0.0215 | 0.106  | 3.1    | 0.00 - 0.50             |
| 8S-00013        | 40304     | Th-234       | 1.16       | 0.179  | 0.102  | 3.19   | 0.00 - 0.50             |
| 8S-00013        | 40304     | Tl-208       | 0.438      | 0.0164 | 0.0256 | 0.937  | 0.00 - 0.50             |
| 8S-00013        | 40304     | Tm-171       | 2.66 U     | 6.02   | 2.01   | 72.4   | 0.00 - 0.50             |
| 8S-00013        | 40304     | U-233/234    | 0.58       | 0.0847 | 0.0731 | 2.02   | 0.00 - 0.50             |
| 8S-00013        | 40304     | U-235/236    | 0.0647     | 0.0596 | 0.0247 | 0.151  | 0.00 - 0.50             |
| 8S-00013        | 40304     | U-238        | 0.817      | 0.058  | 0.0899 | 1.8    | 0.00 - 0.50             |
| 8S-00013        | 40305     | Ac-227       | -0.0113 U  | 0.164  | 0.0504 | 0.217  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Am-241       | 0          | 0.0083 | 0.0031 | 0.0454 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Bi-212       | 0.761      | 0.122  | 0.0728 | 2.15   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Bi-214       | 0.783      | 0.0259 | 0.0388 | 1.59   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Cd-113m      | 36.9 U     | 112    | 35     | 3030   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Cm-243/244   | -0.0102 UJ | 0.036  | 0.0063 | 0.0443 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Co-60        | 0.0043 U   | 0.0172 | 0.0051 | 0.028  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Cs-134       | -0.0002 U  | 0.0136 | 0.0047 | 0.0864 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Cs-137       | -0.0114 UJ | 0.0156 | 0.0056 | 0.207  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Eu-152       | -0.0117 U  | 0.0406 | 0.0122 | 0.0566 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Eu-154       | -0.0653 UJ | 0.0844 | 0.0304 | 0.15   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Eu-155       | 0.0782 JS  | 0.0571 | 0.0236 | 0.231  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Ho-166m      | -0.0035 U  | 0.0237 | 0.0073 | 0.0432 | 1.00 - 5.00             |
| 8S-00013        | 40305     | K-40         | 18.7       | 0.121  | 1.07   | 32.4   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Na-22        | 0.0026 U   | 0.0193 | 0.0057 | 0.037  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00013        | 40305     | Nb-94        | 0.0022 U  | 0.0138 | 0.0042 | 0.0214 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Np-236       | 0.0033 U  | 0.0314 | 0.0092 | 0.047  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Np-239       | 0.0004 U  | 0.112  | 0.0341 | 0.139  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Pa-231       | -0.271 U  | 0.676  | 0.221  | 0.936  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Pb-212       | 1.26      | 0.0295 | 0.0756 | 2.69   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Pb-214       | 0.894     | 0.0297 | 0.0439 | 1.7    | 1.00 - 5.00             |
| 8S-00013        | 40305     | Pu-238       | 0.0031 U  | 0.0155 | 0.0039 | 0.0415 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Pu-239/240   | 0.0104    | 0.0155 | 0.0057 | 0.0404 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Pu-244       | 0.0024    | 0.0066 | 0.0024 | 0.0313 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Sb-125       | 0.0021 U  | 0.0391 | 0.0114 | 0.354  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Sn-126       | -0.0023 U | 0.0154 | 0.0047 | 0.0237 | 1.00 - 5.00             |
| 8S-00013        | 40305     | Sr-90        | 0.4       | 0.202  | 0.0906 | 0.485  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Th-228       | 1.01      | 0.131  | 0.118  | 3.98   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Th-229       | 0.0418    | 0.0777 | 0.0252 | 0.145  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Th-230       | 0.768     | 0.0614 | 0.094  | 2.2    | 1.00 - 5.00             |
| 8S-00013        | 40305     | Th-232       | 1.14      | 0.0612 | 0.121  | 3.1    | 1.00 - 5.00             |
| 8S-00013        | 40305     | Th-234       | 1.39 J    | 0.246  | 0.148  | 3.19   | 1.00 - 5.00             |
| 8S-00013        | 40305     | Tl-208       | 0.387     | 0.0148 | 0.0225 | 0.937  | 1.00 - 5.00             |
| 8S-00013        | 40305     | Tm-171       | -3.81 U   | 11.7   | 4.17   | 72.4   | 1.00 - 5.00             |
| 8S-00013        | 40305     | U-233/234    | 0.654     | 0.0375 | 0.0791 | 2.02   | 1.00 - 5.00             |
| 8S-00013        | 40305     | U-235/236    | 0.0364    | 0.0197 | 0.0165 | 0.151  | 1.00 - 5.00             |
| 8S-00013        | 40305     | U-238        | 0.805     | 0.0465 | 0.0916 | 1.8    | 1.00 - 5.00             |
| 8S-00013        | 40330     | Ac-227       | -0.02 U   | 0.197  | 0.0588 | 0.217  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Am-241       | 0.0012 U  | 0.0162 | 0.0036 | 0.0454 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Bi-212       | 0.825     | 0.136  | 0.0794 | 2.15   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Bi-214       | 0.905     | 0.0291 | 0.0441 | 1.59   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Cd-113m      | -3.77 U   | 129    | 39.9   | 3030   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Cm-243/244   | -0.0009 U | 0.0162 | 0.0029 | 0.0443 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Co-60        | -0.0045 U | 0.018  | 0.0054 | 0.028  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Cs-134       | -0.0021 U | 0.0149 | 0.0052 | 0.0864 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00013        | 40330     | Cs-137       | -0.0032 UJ | 0.0176 | 0.0054 | 0.207  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Eu-152       | -0.0311 U  | 0.0468 | 0.0174 | 0.0566 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Eu-154       | -0.0252 U  | 0.0987 | 0.03   | 0.15   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Eu-155       | 0.0354 JS  | 0.0704 | 0.0228 | 0.231  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Ho-166m      | 0.007 U    | 0.0273 | 0.0082 | 0.0432 | 1.00 - 5.00             |
| 8S-00013        | 40330     | K-40         | 19         | 0.143  | 1.21   | 32.4   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Na-22        | 0.0052 U   | 0.0219 | 0.0076 | 0.037  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Nb-94        | 0.0073 U   | 0.0155 | 0.0048 | 0.0214 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Np-236       | -0.0074 U  | 0.037  | 0.0115 | 0.047  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Np-239       | -0.0809 U  | 0.127  | 0.0428 | 0.139  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Pa-231       | -0.312 U   | 0.808  | 0.256  | 0.936  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Pb-212       | 1.34       | 0.0334 | 0.0816 | 2.69   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Pb-214       | 1.01       | 0.0347 | 0.0492 | 1.7    | 1.00 - 5.00             |
| 8S-00013        | 40330     | Pu-238       | 0.0006 U   | 0.0144 | 0.0028 | 0.0415 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Pu-239/240   | 0.0029 U   | 0.0144 | 0.0036 | 0.0404 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Pu-244       | 0          | 0.0061 | 0.0023 | 0.0313 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Sb-125       | -0.0094 U  | 0.0438 | 0.013  | 0.354  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Sn-126       | -0.0063 U  | 0.0167 | 0.0053 | 0.0237 | 1.00 - 5.00             |
| 8S-00013        | 40330     | Sr-90        | 0.0075 U   | 0.212  | 0.0589 | 0.485  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Th-228       | 0.986      | 0.128  | 0.11   | 3.98   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Th-229       | 0.0147 U   | 0.0963 | 0.0255 | 0.145  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Th-230       | 0.696      | 0.054  | 0.0834 | 2.2    | 1.00 - 5.00             |
| 8S-00013        | 40330     | Th-232       | 1.04       | 0.0198 | 0.107  | 3.1    | 1.00 - 5.00             |
| 8S-00013        | 40330     | Th-234       | 1.49 J     | 0.299  | 0.179  | 3.19   | 1.00 - 5.00             |
| 8S-00013        | 40330     | Tl-208       | 0.386      | 0.017  | 0.0232 | 0.937  | 1.00 - 5.00             |
| 8S-00013        | 40330     | Tm-171       | -3.61 U    | 15.6   | 5.3    | 72.4   | 1.00 - 5.00             |
| 8S-00013        | 40330     | U-233/234    | 0.685      | 0.0503 | 0.0805 | 2.02   | 1.00 - 5.00             |
| 8S-00013        | 40330     | U-235/236    | 0.0225     | 0.0437 | 0.0147 | 0.151  | 1.00 - 5.00             |
| 8S-00013        | 40330     | U-238        | 0.645      | 0.0557 | 0.0775 | 1.8    | 1.00 - 5.00             |
| 8S-00014        | 40306     | Ac-227       | -0.0322 U  | 0.141  | 0.0442 | 0.217  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00014        | 40306     | Am-241       | 0.0056     | 0.0156 | 0.0046 | 0.0454 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Bi-212       | 0.679 J    | 0.126  | 0.0825 | 2.15   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Bi-214       | 0.679      | 0.028  | 0.0379 | 1.59   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Cd-113m      | 9.66 U     | 96.3   | 30.9   | 3030   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Cm-243/244   | 0.0056     | 0.0157 | 0.0046 | 0.0443 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Co-60        | -0.0048 U  | 0.0155 | 0.0047 | 0.028  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Cs-134       | 0.0103 SJ  | 0.0147 | 0.0054 | 0.0864 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Cs-137       | 0.0566     | 0.0155 | 0.0098 | 0.207  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Eu-152       | -0.0026 U  | 0.0382 | 0.0126 | 0.0566 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Eu-154       | 0.0145 UJ  | 0.0934 | 0.0275 | 0.15   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Eu-155       | 0.0336 SJ  | 0.0449 | 0.015  | 0.231  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Ho-166m      | 0.0075 U   | 0.0246 | 0.0072 | 0.0432 | 0.00 - 0.50             |
| 8S-00014        | 40306     | K-40         | 15.1       | 0.119  | 0.82   | 32.4   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Na-22        | -0.0041 U  | 0.0195 | 0.0058 | 0.037  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Nb-94        | 0.0043 U   | 0.0142 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Np-236       | -0.0147 U  | 0.0229 | 0.0076 | 0.047  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Np-239       | -0.0029 UJ | 0.0918 | 0.0279 | 0.139  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Pa-231       | 0.111 U    | 0.594  | 0.183  | 0.936  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Pb-212       | 1.15       | 0.025  | 0.065  | 2.69   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Pb-214       | 0.724      | 0.027  | 0.0359 | 1.7    | 0.00 - 0.50             |
| 8S-00014        | 40306     | Pu-238       | 0.0047     | 0.0063 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Pu-239/240   | 0.0083     | 0.0183 | 0.0057 | 0.0404 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Pu-244       | 0.0123     | 0.0148 | 0.006  | 0.0313 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Sb-125       | 0.0149 U   | 0.0385 | 0.0116 | 0.354  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Sn-126       | 0.0027 U   | 0.0158 | 0.0046 | 0.0237 | 0.00 - 0.50             |
| 8S-00014        | 40306     | Sr-90        | 0.0003 U   | 0.158  | 0.0412 | 0.485  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Th-228       | 1.42       | 0.11   | 0.141  | 3.98   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Th-229       | 0.0151 U   | 0.0813 | 0.0214 | 0.145  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Th-230       | 0.776      | 0.0555 | 0.09   | 2.2    | 0.00 - 0.50             |
| 8S-00014        | 40306     | Th-232       | 1.13       | 0.0553 | 0.114  | 3.1    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00014        | 40306     | Th-234       | 0.575 J    | 0.188  | 0.0873 | 3.19   | 0.00 - 0.50             |
| 8S-00014        | 40306     | Tl-208       | 0.366      | 0.0154 | 0.0228 | 0.937  | 0.00 - 0.50             |
| 8S-00014        | 40306     | Tm-171       | 0.505 U    | 5.53   | 1.88   | 72.4   | 0.00 - 0.50             |
| 8S-00014        | 40306     | U-233/234    | 0.663      | 0.0534 | 0.0675 | 2.02   | 0.00 - 0.50             |
| 8S-00014        | 40306     | U-235/236    | 0.0426     | 0.0264 | 0.0144 | 0.151  | 0.00 - 0.50             |
| 8S-00014        | 40306     | U-238        | 0.816      | 0.0214 | 0.0776 | 1.8    | 0.00 - 0.50             |
| 8S-00014        | 40307     | Ac-227       | 0.0058 U   | 0.196  | 0.0581 | 0.217  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Am-241       | 0.0086     | 0.0128 | 0.0048 | 0.0454 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Bi-212       | 0.933      | 0.13   | 0.0808 | 2.15   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Bi-214       | 0.81       | 0.0297 | 0.0398 | 1.59   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Cd-113m      | 24.7 U     | 130    | 38.8   | 3030   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Cm-243/244   | -0.0073 U  | 0.0221 | 0.0038 | 0.0443 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Co-60        | -0.0087 U  | 0.018  | 0.0059 | 0.028  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Cs-134       | -0.0046 U  | 0.0154 | 0.0055 | 0.0864 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Cs-137       | 0.0037 UJ  | 0.018  | 0.0053 | 0.207  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Eu-152       | -0.0286 U  | 0.0464 | 0.017  | 0.0566 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Eu-154       | -0.0465 U  | 0.0899 | 0.0292 | 0.15   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Eu-155       | 0.0525 JS  | 0.0719 | 0.025  | 0.231  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Ho-166m      | 0.007 U    | 0.0271 | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8S-00014        | 40307     | K-40         | 16.9       | 0.132  | 1.05   | 32.4   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Na-22        | 0.0016 U   | 0.0214 | 0.0063 | 0.037  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Nb-94        | 0.0104 J   | 0.0158 | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Np-236       | 0.0021 U   | 0.0372 | 0.0114 | 0.047  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Np-239       | -0.0625 U  | 0.128  | 0.0414 | 0.139  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Pa-231       | 0.224 U    | 0.827  | 0.258  | 0.936  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Pb-212       | 1.26       | 0.035  | 0.0816 | 2.69   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Pb-214       | 0.94       | 0.0339 | 0.0472 | 1.7    | 1.00 - 5.00             |
| 8S-00014        | 40307     | Pu-238       | 0.0104     | 0.0094 | 0.006  | 0.0415 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Pu-239/240   | -0.0006 UJ | 0.0312 | 0.0065 | 0.0404 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Pu-244       | -0.0015 UJ | 0.0272 | 0.0049 | 0.0313 | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00014        | 40307     | Sb-125       | 0.0024 U  | 0.046  | 0.014  | 0.354  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Sn-126       | 0.0018 U  | 0.0175 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8S-00014        | 40307     | Sr-90        | 0.0178 U  | 0.251  | 0.0696 | 0.485  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Th-228       | 1.2       | 0.0853 | 0.122  | 3.98   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Th-229       | 0.0445    | 0.0799 | 0.0258 | 0.145  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Th-230       | 0.836     | 0.0797 | 0.0947 | 2.2    | 1.00 - 5.00             |
| 8S-00014        | 40307     | Th-232       | 1.12      | 0.02   | 0.113  | 3.1    | 1.00 - 5.00             |
| 8S-00014        | 40307     | Th-234       | 1.51 J    | 0.37   | 0.4    | 3.19   | 1.00 - 5.00             |
| 8S-00014        | 40307     | Tl-208       | 0.39      | 0.0175 | 0.0231 | 0.937  | 1.00 - 5.00             |
| 8S-00014        | 40307     | Tm-171       | -0.186 U  | 16.7   | 5.02   | 72.4   | 1.00 - 5.00             |
| 8S-00014        | 40307     | U-233/234    | 0.57      | 0.052  | 0.0602 | 2.02   | 1.00 - 5.00             |
| 8S-00014        | 40307     | U-235/236    | 0.0236    | 0.0366 | 0.0126 | 0.151  | 1.00 - 5.00             |
| 8S-00014        | 40307     | U-238        | 0.661     | 0.0356 | 0.066  | 1.8    | 1.00 - 5.00             |
| 8S-00015        | 40308     | Ac-227       | -0.111 U  | 0.199  | 0.0652 | 0.217  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Am-241       | 0.0163    | 0.0165 | 0.0072 | 0.0454 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Bi-212       | 0.915     | 0.154  | 0.0877 | 2.15   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Bi-214       | 0.864     | 0.0351 | 0.0445 | 1.59   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Cd-113m      | -1.41 U   | 134    | 40.7   | 3030   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Cm-243/244   | 0.0096 U  | 0.0305 | 0.0087 | 0.0443 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Co-60        | -0.0017 U | 0.0201 | 0.0059 | 0.028  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Cs-134       | 0.0144 JS | 0.0188 | 0.0068 | 0.0864 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Cs-137       | 0.0313    | 0.0177 | 0.0074 | 0.207  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Eu-152       | -0.0022 U | 0.05   | 0.0154 | 0.0566 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Eu-154       | -0.0685 U | 0.106  | 0.0358 | 0.15   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Eu-155       | 0.0385 JS | 0.0721 | 0.0233 | 0.231  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Ho-166m      | -0.0016 U | 0.03   | 0.0088 | 0.0432 | 0.00 - 0.50             |
| 8S-00015        | 40308     | K-40         | 19.6      | 0.155  | 1.08   | 32.4   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Na-22        | -0.0047 U | 0.0249 | 0.0075 | 0.037  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Nb-94        | -0.005 U  | 0.0174 | 0.0053 | 0.0214 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Np-236       | -0.0052 U | 0.0358 | 0.011  | 0.047  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00015        | 40308     | Np-239       | -0.0662 UJ | 0.13   | 0.0416 | 0.139  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Pa-231       | -0.43 U    | 0.799  | 0.262  | 0.936  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Pb-212       | 1.45       | 0.0353 | 0.0842 | 2.69   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Pb-214       | 0.998      | 0.0356 | 0.0502 | 1.7    | 0.00 - 0.50             |
| 8S-00015        | 40308     | Pu-238       | -0.0016 U  | 0.0139 | 0.0027 | 0.0415 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Pu-239/240   | -0.0025 U  | 0.0197 | 0.0035 | 0.0404 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Pu-244       | 0.0062 U   | 0.0197 | 0.0056 | 0.0313 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Sb-125       | 0.0066 U   | 0.0501 | 0.015  | 0.354  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Sn-126       | 0.0029 U   | 0.0205 | 0.006  | 0.0237 | 0.00 - 0.50             |
| 8S-00015        | 40308     | Sr-90        | 0.0673 U   | 0.211  | 0.0621 | 0.485  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Th-228       | 1.49       | 0.0988 | 0.138  | 3.98   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Th-229       | 0.0624     | 0.051  | 0.0233 | 0.145  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Th-230       | 0.961      | 0.0642 | 0.0996 | 2.2    | 0.00 - 0.50             |
| 8S-00015        | 40308     | Th-232       | 1.16       | 0.064  | 0.112  | 3.1    | 0.00 - 0.50             |
| 8S-00015        | 40308     | Th-234       | 1.46       | 0.294  | 0.146  | 3.19   | 0.00 - 0.50             |
| 8S-00015        | 40308     | Tl-208       | 0.467      | 0.0193 | 0.0284 | 0.937  | 0.00 - 0.50             |
| 8S-00015        | 40308     | Tm-171       | 2.38 U     | 12.6   | 4.2    | 72.4   | 0.00 - 0.50             |
| 8S-00015        | 40308     | U-233/234    | 0.711      | 0.059  | 0.0845 | 2.02   | 0.00 - 0.50             |
| 8S-00015        | 40308     | U-235/236    | 0.0716     | 0.0658 | 0.0273 | 0.151  | 0.00 - 0.50             |
| 8S-00015        | 40308     | U-238        | 0.761      | 0.0375 | 0.0878 | 1.8    | 0.00 - 0.50             |
| 8S-00015        | 40309     | Ac-227       | -0.088 U   | 0.189  | 0.0608 | 0.217  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Am-241       | 0.0061     | 0.0055 | 0.0035 | 0.0454 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Bi-212       | 0.84 J     | 0.145  | 0.0861 | 2.15   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Bi-214       | 0.8        | 0.0305 | 0.0399 | 1.59   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Cd-113m      | -2.5 U     | 131    | 44.4   | 3030   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Cm-243/244   | 0.0006 U   | 0.013  | 0.0025 | 0.0443 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Co-60        | 0.0014 U   | 0.018  | 0.0051 | 0.028  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Cs-134       | -0.0023 U  | 0.0154 | 0.0054 | 0.0864 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Cs-137       | 0.043 J    | 0.0187 | 0.0071 | 0.207  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Eu-152       | -0.0206 U  | 0.0467 | 0.0173 | 0.0566 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00015        | 40309     | Eu-154       | -0.0186 U  | 0.104  | 0.0312 | 0.15   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Eu-155       | 0.0504 JS  | 0.0682 | 0.0285 | 0.231  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Ho-166m      | -0.0184 U  | 0.0266 | 0.0094 | 0.0432 | 1.00 - 5.00             |
| 8S-00015        | 40309     | K-40         | 18.3       | 0.141  | 1.16   | 32.4   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Na-22        | -0.0032 U  | 0.0236 | 0.0072 | 0.037  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Nb-94        | 0.0085 J   | 0.0166 | 0.0052 | 0.0214 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Np-236       | -0.0263 UJ | 0.0357 | 0.0128 | 0.047  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Np-239       | 0.0182 U   | 0.132  | 0.039  | 0.139  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Pa-231       | -0.147 U   | 0.816  | 0.257  | 0.936  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Pb-212       | 1.29       | 0.0349 | 0.0792 | 2.69   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Pb-214       | 0.92       | 0.0338 | 0.0458 | 1.7    | 1.00 - 5.00             |
| 8S-00015        | 40309     | Pu-238       | 0.003      | 0.0081 | 0.003  | 0.0415 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Pu-239/240   | 0.0068     | 0.0189 | 0.0056 | 0.0404 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Pu-244       | 0.0038 UJ  | 0.0189 | 0.0047 | 0.0313 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Sb-125       | 0.0108 U   | 0.0463 | 0.0135 | 0.354  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Sn-126       | -0.001 U   | 0.0175 | 0.0053 | 0.0237 | 1.00 - 5.00             |
| 8S-00015        | 40309     | Sr-90        | 0.206      | 0.194  | 0.0705 | 0.485  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Th-228       | 1.4        | 0.0841 | 0.135  | 3.98   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Th-229       | 0.022 U    | 0.0788 | 0.022  | 0.145  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Th-230       | 0.971      | 0.0786 | 0.103  | 2.2    | 1.00 - 5.00             |
| 8S-00015        | 40309     | Th-232       | 1.19       | 0.0197 | 0.117  | 3.1    | 1.00 - 5.00             |
| 8S-00015        | 40309     | Th-234       | 1.37 J     | 0.376  | 0.357  | 3.19   | 1.00 - 5.00             |
| 8S-00015        | 40309     | Tl-208       | 0.416      | 0.017  | 0.0249 | 0.937  | 1.00 - 5.00             |
| 8S-00015        | 40309     | Tm-171       | -7.67 U    | 15.9   | 5.14   | 72.4   | 1.00 - 5.00             |
| 8S-00015        | 40309     | U-233/234    | 0.674      | 0.0556 | 0.0692 | 2.02   | 1.00 - 5.00             |
| 8S-00015        | 40309     | U-235/236    | 0.0358     | 0.0275 | 0.0136 | 0.151  | 1.00 - 5.00             |
| 8S-00015        | 40309     | U-238        | 0.77       | 0.0223 | 0.075  | 1.8    | 1.00 - 5.00             |
| 8S-00016        | 40310     | Ac-227       | -0.0097 U  | 0.14   | 0.0463 | 0.217  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Am-241       | 0.004 U    | 0.0199 | 0.0052 | 0.0454 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Bi-212       | 0.93       | 0.102  | 0.065  | 2.15   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00016        | 40310     | Bi-214       | 1.11       | 0.0222 | 0.0488 | 1.59   | 0.00 - 0.50             |
| 8S-00016        | 40310     | Cd-113m      | -3.29 U    | 90.9   | 32.2   | 3030   | 0.00 - 0.50             |
| 8S-00016        | 40310     | Cm-243/244   | -0.0004 U  | 0.02   | 0.0042 | 0.0443 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Co-60        | 0.0038 U   | 0.0133 | 0.004  | 0.028  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Cs-134       | 0.0085 JS  | 0.0121 | 0.0045 | 0.0864 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Cs-137       | 0.0922 J   | 0.012  | 0.0076 | 0.207  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Eu-152       | -0.0147 U  | 0.0342 | 0.0111 | 0.0566 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Eu-154       | -0.0531 UJ | 0.0716 | 0.0253 | 0.15   | 0.00 - 0.50             |
| 8S-00016        | 40310     | Eu-155       | 0.0775 JS  | 0.0477 | 0.0189 | 0.231  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Ho-166m      | -0.0022 U  | 0.0196 | 0.0061 | 0.0432 | 0.00 - 0.50             |
| 8S-00016        | 40310     | K-40         | 24.7       | 0.0928 | 1.37   | 32.4   | 0.00 - 0.50             |
| 8S-00016        | 40310     | Na-22        | -0.005 U   | 0.0154 | 0.0049 | 0.037  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Nb-94        | 0.0043 U   | 0.0111 | 0.0035 | 0.0214 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Np-236       | -0.0186 U  | 0.0255 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Np-239       | 0.0291 U   | 0.0947 | 0.0302 | 0.139  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Pa-231       | 0.141 U    | 0.581  | 0.178  | 0.936  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Pb-212       | 1.62       | 0.0247 | 0.0942 | 2.69   | 0.00 - 0.50             |
| 8S-00016        | 40310     | Pb-214       | 1.25       | 0.0243 | 0.0565 | 1.7    | 0.00 - 0.50             |
| 8S-00016        | 40310     | Pu-238       | -0.001 U   | 0.0184 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Pu-239/240   | 0.0096     | 0.0234 | 0.007  | 0.0404 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Pu-244       | 0          | 0.0063 | 0.0023 | 0.0313 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Sb-125       | 0.0095 U   | 0.034  | 0.0103 | 0.354  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Sn-126       | -0.0035 U  | 0.0122 | 0.0039 | 0.0237 | 0.00 - 0.50             |
| 8S-00016        | 40310     | Sr-90        | -0.084 U   | 0.209  | 0.0525 | 0.485  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Th-228       | 1.46       | 0.11   | 0.143  | 3.98   | 0.00 - 0.50             |
| 8S-00016        | 40310     | Th-229       | 0.0536     | 0.0712 | 0.0256 | 0.145  | 0.00 - 0.50             |
| 8S-00016        | 40310     | Th-230       | 1.08       | 0.0563 | 0.112  | 2.2    | 0.00 - 0.50             |
| 8S-00016        | 40310     | Th-232       | 1.51       | 0.0561 | 0.14   | 3.1    | 0.00 - 0.50             |
| 8S-00016        | 40310     | Th-234       | 1.41       | 0.195  | 0.124  | 3.19   | 0.00 - 0.50             |
| 8S-00016        | 40310     | Tl-208       | 0.477      | 0.0126 | 0.0261 | 0.937  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00016        | 40310     | Tm-171       | -4.95 U    | 9.33   | 3.35   | 72.4   | 0.00 - 0.50             |
| 8S-00016        | 40310     | U-233/234    | 0.665      | 0.0103 | 0.0688 | 2.02   | 0.00 - 0.50             |
| 8S-00016        | 40310     | U-235/236    | 0.0703     | 0.0127 | 0.0188 | 0.151  | 0.00 - 0.50             |
| 8S-00016        | 40310     | U-238        | 0.827      | 0.038  | 0.0814 | 1.8    | 0.00 - 0.50             |
| 8S-00016        | 40311     | Ac-227       | 0.0056 U   | 0.166  | 0.0494 | 0.217  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Am-241       | 0.004      | 0.0054 | 0.0028 | 0.0454 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Bi-212       | 0.883      | 0.114  | 0.0762 | 2.15   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Bi-214       | 0.782      | 0.0247 | 0.0404 | 1.59   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Cd-113m      | -56.7 U    | 108    | 36.5   | 3030   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Cm-243/244   | 0.006      | 0.0054 | 0.0035 | 0.0443 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Co-60        | 0.0081 J   | 0.0155 | 0.0048 | 0.028  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Cs-134       | -0.0014 U  | 0.0124 | 0.0042 | 0.0864 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Cs-137       | 0.0075 J   | 0.0144 | 0.005  | 0.207  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Eu-152       | 0.0208 J   | 0.0409 | 0.0154 | 0.0566 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Eu-154       | -0.0079 U  | 0.0812 | 0.0242 | 0.15   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Eu-155       | 0.053 JS   | 0.056  | 0.0234 | 0.231  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Ho-166m      | -0.0069 U  | 0.0214 | 0.0066 | 0.0432 | 1.00 - 5.00             |
| 8S-00016        | 40311     | K-40         | 20.3       | 0.092  | 1.16   | 32.4   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Na-22        | -0.0149 UJ | 0.0178 | 0.0067 | 0.037  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Nb-94        | 0.0036 U   | 0.013  | 0.0038 | 0.0214 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Np-236       | -0.0292 UJ | 0.0316 | 0.0119 | 0.047  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Np-239       | 0.0147 UJ  | 0.111  | 0.0331 | 0.139  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Pa-231       | -0.275 U   | 0.675  | 0.215  | 0.936  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Pb-212       | 1.34       | 0.0286 | 0.0844 | 2.69   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Pb-214       | 0.887      | 0.0278 | 0.0448 | 1.7    | 1.00 - 5.00             |
| 8S-00016        | 40311     | Pu-238       | 0.0139     | 0.0141 | 0.0061 | 0.0415 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Pu-239/240   | -0.0032 U  | 0.0174 | 0.0032 | 0.0404 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Pu-244       | 0.0006 U   | 0.0141 | 0.0027 | 0.0313 | 1.00 - 5.00             |
| 8S-00016        | 40311     | Sb-125       | 0.0056 U   | 0.0384 | 0.0116 | 0.354  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Sn-126       | 0.0035 U   | 0.0145 | 0.0042 | 0.0237 | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00016        | 40311     | Sr-90        | 0.0855 U   | 0.268  | 0.0782 | 0.485  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Th-228       | 1.49       | 0.108  | 0.137  | 3.98   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Th-229       | 0.0673     | 0.0625 | 0.0255 | 0.145  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Th-230       | 1.02       | 0.0494 | 0.102  | 2.2    | 1.00 - 5.00             |
| 8S-00016        | 40311     | Th-232       | 1.13       | 0.0721 | 0.11   | 3.1    | 1.00 - 5.00             |
| 8S-00016        | 40311     | Th-234       | 1.35 J     | 0.243  | 0.137  | 3.19   | 1.00 - 5.00             |
| 8S-00016        | 40311     | Tl-208       | 0.408      | 0.0146 | 0.024  | 0.937  | 1.00 - 5.00             |
| 8S-00016        | 40311     | Tm-171       | 2.37 U     | 10.8   | 3.78   | 72.4   | 1.00 - 5.00             |
| 8S-00016        | 40311     | U-233/234    | 0.807      | 0.0364 | 0.0848 | 2.02   | 1.00 - 5.00             |
| 8S-00016        | 40311     | U-235/236    | 0.0456     | 0.0155 | 0.0165 | 0.151  | 1.00 - 5.00             |
| 8S-00016        | 40311     | U-238        | 0.709      | 0.0364 | 0.0772 | 1.8    | 1.00 - 5.00             |
| 8S-00017        | 40312     | Ac-227       | 0.018 U    | 0.202  | 0.0615 | 0.217  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Am-241       | 0.0053     | 0.0148 | 0.0044 | 0.0454 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Bi-212       | 1.04       | 0.146  | 0.0856 | 2.15   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Bi-214       | 1.03       | 0.0315 | 0.049  | 1.59   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Cd-113m      | 24.3 U     | 131    | 40.1   | 3030   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Cm-243/244   | 0.0054     | 0.015  | 0.0044 | 0.0443 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Co-60        | -0.0014 U  | 0.0212 | 0.0064 | 0.028  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Cs-134       | -0.0005 U  | 0.0168 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Cs-137       | 0.159      | 0.0206 | 0.0128 | 0.207  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Eu-152       | -0.0128 U  | 0.0491 | 0.0147 | 0.0566 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Eu-154       | -0.0079 UJ | 0.104  | 0.0305 | 0.15   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Eu-155       | 0.112 SJ   | 0.068  | 0.028  | 0.231  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Ho-166m      | -0.0143 U  | 0.0274 | 0.0092 | 0.0432 | 0.00 - 0.50             |
| 8S-00017        | 40312     | K-40         | 23.8       | 0.135  | 1.36   | 32.4   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Na-22        | -0.0033 U  | 0.0242 | 0.0081 | 0.037  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Nb-94        | -0.0054 U  | 0.0158 | 0.005  | 0.0214 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Np-236       | -0.0103 U  | 0.0366 | 0.0111 | 0.047  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Np-239       | 0.0241 UJ  | 0.132  | 0.0401 | 0.139  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Pa-231       | -0.298 U   | 0.816  | 0.265  | 0.936  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00017        | 40312     | Pb-212       | 1.56       | 0.0378 | 0.094  | 2.69   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Pb-214       | 1.11       | 0.0353 | 0.0535 | 1.7    | 0.00 - 0.50             |
| 8S-00017        | 40312     | Pu-238       | 0          | 0.0059 | 0.0022 | 0.0415 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Pu-239/240   | 0.0094     | 0.0139 | 0.0052 | 0.0404 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Pu-244       | 0.005      | 0.0139 | 0.0041 | 0.0313 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Sb-125       | -0.0015 U  | 0.0484 | 0.0142 | 0.354  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Sn-126       | -0.0021 U  | 0.0177 | 0.0054 | 0.0237 | 0.00 - 0.50             |
| 8S-00017        | 40312     | Sr-90        | -0.0247 U  | 0.26   | 0.0708 | 0.485  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Th-228       | 1.1        | 0.084  | 0.115  | 3.98   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Th-229       | 0 U        | 0.0654 | 0.0141 | 0.145  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Th-230       | 0.779      | 0.0517 | 0.0875 | 2.2    | 0.00 - 0.50             |
| 8S-00017        | 40312     | Th-232       | 1.07       | 0.0515 | 0.107  | 3.1    | 0.00 - 0.50             |
| 8S-00017        | 40312     | Th-234       | 1.32 J     | 0.296  | 0.157  | 3.19   | 0.00 - 0.50             |
| 8S-00017        | 40312     | Tl-208       | 0.457      | 0.0187 | 0.0266 | 0.937  | 0.00 - 0.50             |
| 8S-00017        | 40312     | Tm-171       | 1.83 U     | 14.7   | 5.05   | 72.4   | 0.00 - 0.50             |
| 8S-00017        | 40312     | U-233/234    | 0.699      | 0.044  | 0.0777 | 2.02   | 0.00 - 0.50             |
| 8S-00017        | 40312     | U-235/236    | 0.0257     | 0.0382 | 0.0142 | 0.151  | 0.00 - 0.50             |
| 8S-00017        | 40312     | U-238        | 0.834      | 0.044  | 0.0882 | 1.8    | 0.00 - 0.50             |
| 8S-00017        | 40313     | Ac-227       | -0.0853 U  | 0.176  | 0.0565 | 0.217  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Am-241       | 0.0145     | 0.0283 | 0.009  | 0.0454 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Bi-212       | 0.969      | 0.136  | 0.084  | 2.15   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Bi-214       | 0.837      | 0.0302 | 0.0416 | 1.59   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Cd-113m      | 5.3 U      | 120    | 38.1   | 3030   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Cm-243/244   | -0.0107 UJ | 0.0371 | 0.0071 | 0.0443 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Co-60        | 0.0031 U   | 0.0178 | 0.0052 | 0.028  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Cs-134       | 0.0047 U   | 0.016  | 0.0054 | 0.0864 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Cs-137       | -0.0119 UJ | 0.0171 | 0.0059 | 0.207  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Eu-152       | 0.007 U    | 0.0452 | 0.0146 | 0.0566 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Eu-154       | 0.0083 U   | 0.104  | 0.0298 | 0.15   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Eu-155       | 0.0708 JS  | 0.0616 | 0.0259 | 0.231  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00017        | 40313     | Ho-166m      | -0.0073 U | 0.026  | 0.008  | 0.0432 | 1.00 - 5.00             |
| 8S-00017        | 40313     | K-40         | 20.3      | 0.138  | 1.11   | 32.4   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Na-22        | 0.0107 J  | 0.0219 | 0.0067 | 0.037  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Nb-94        | -0.0014 U | 0.0157 | 0.0047 | 0.0214 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Np-236       | -0.0127 U | 0.0331 | 0.0106 | 0.047  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Np-239       | -0.0393 U | 0.116  | 0.0357 | 0.139  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Pa-231       | -0.0277 U | 0.741  | 0.219  | 0.936  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Pb-212       | 1.36      | 0.0318 | 0.0787 | 2.69   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Pb-214       | 0.914     | 0.0316 | 0.0453 | 1.7    | 1.00 - 5.00             |
| 8S-00017        | 40313     | Pu-238       | 0.0072    | 0.014  | 0.0047 | 0.0415 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Pu-239/240   | -0.001 U  | 0.0173 | 0.0031 | 0.0404 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Pu-244       | 0         | 0.006  | 0.0022 | 0.0313 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Sb-125       | 0.0078 U  | 0.0433 | 0.0131 | 0.354  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Sn-126       | 0.0026 U  | 0.0178 | 0.0052 | 0.0237 | 1.00 - 5.00             |
| 8S-00017        | 40313     | Sr-90        | 0.0117 U  | 0.262  | 0.0728 | 0.485  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Th-228       | 1.66      | 0.0226 | 0.154  | 3.98   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Th-229       | 0.0234    | 0.0212 | 0.0136 | 0.145  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Th-230       | 1.04      | 0.0574 | 0.11   | 2.2    | 1.00 - 5.00             |
| 8S-00017        | 40313     | Th-232       | 1.14      | 0.0211 | 0.116  | 3.1    | 1.00 - 5.00             |
| 8S-00017        | 40313     | Th-234       | 1.49 J    | 0.264  | 0.151  | 3.19   | 1.00 - 5.00             |
| 8S-00017        | 40313     | Tl-208       | 0.426     | 0.0178 | 0.0255 | 0.937  | 1.00 - 5.00             |
| 8S-00017        | 40313     | Tm-171       | 1.92 U    | 11.2   | 3.72   | 72.4   | 1.00 - 5.00             |
| 8S-00017        | 40313     | U-233/234    | 0.817     | 0.0428 | 0.0817 | 2.02   | 1.00 - 5.00             |
| 8S-00017        | 40313     | U-235/236    | 0.0583    | 0.0132 | 0.0173 | 0.151  | 1.00 - 5.00             |
| 8S-00017        | 40313     | U-238        | 0.86      | 0.0356 | 0.0847 | 1.8    | 1.00 - 5.00             |
| 8S-00017        | 40329     | Ac-227       | -0.189 UJ | 0.248  | 0.0876 | 0.217  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Am-241       | 0.0127    | 0.0153 | 0.0059 | 0.0454 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Bi-212       | 1.14 J    | 0.199  | 0.126  | 2.15   | 1.00 - 5.00             |
| 8S-00017        | 40329     | Bi-214       | 1.16      | 0.0452 | 0.0594 | 1.59   | 1.00 - 5.00             |
| 8S-00017        | 40329     | Cd-113m      | 30.8 U    | 172    | 50.8   | 3030   | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00017        | 40329     | Cm-243/244   | -0.0144 U  | 0.0372 | 0.0081 | 0.0443 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Co-60        | -0.0054 U  | 0.0275 | 0.0082 | 0.028  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Cs-134       | 0.0082 U   | 0.0235 | 0.0078 | 0.0864 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Cs-137       | -0.0152 UJ | 0.0261 | 0.0087 | 0.207  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Eu-152       | -0.0344 U  | 0.0632 | 0.0237 | 0.0566 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Eu-154       | -0.0228 U  | 0.153  | 0.0465 | 0.15   | 1.00 - 5.00             |
| 8S-00017        | 40329     | Eu-155       | 0.0791 JS  | 0.0865 | 0.0318 | 0.231  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Ho-166m      | -0.0253 U  | 0.0396 | 0.0135 | 0.0432 | 1.00 - 5.00             |
| 8S-00017        | 40329     | K-40         | 20.8       | 0.199  | 1.21   | 32.4   | 1.00 - 5.00             |
| 8S-00017        | 40329     | Na-22        | -0.0188 U  | 0.0324 | 0.0108 | 0.037  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Nb-94        | 0.0029 U   | 0.0249 | 0.0073 | 0.0214 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Np-236       | 0.0012 U   | 0.0452 | 0.0138 | 0.047  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Np-239       | -0.0615 U  | 0.166  | 0.0514 | 0.139  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Pa-231       | 0.484 U    | 1.11   | 0.381  | 0.936  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Pb-212       | 1.56       | 0.0454 | 0.0926 | 2.69   | 1.00 - 5.00             |
| 8S-00017        | 40329     | Pb-214       | 1.16       | 0.0471 | 0.0587 | 1.7    | 1.00 - 5.00             |
| 8S-00017        | 40329     | Pu-238       | 0.0007 U   | 0.0148 | 0.0029 | 0.0415 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Pu-239/240   | -0.001 U   | 0.0183 | 0.0033 | 0.0404 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Pu-244       | 0.007      | 0.0063 | 0.004  | 0.0313 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Sb-125       | -0.0013 U  | 0.0668 | 0.0201 | 0.354  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Sn-126       | -0.0012 U  | 0.0273 | 0.008  | 0.0237 | 1.00 - 5.00             |
| 8S-00017        | 40329     | Sr-90        | 0.392      | 0.341  | 0.121  | 0.485  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Th-228       | 1.28       | 0.024  | 0.132  | 3.98   | 1.00 - 5.00             |
| 8S-00017        | 40329     | Th-229       | 0.0415     | 0.0611 | 0.0221 | 0.145  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Th-230       | 0.953      | 0.0225 | 0.106  | 2.2    | 1.00 - 5.00             |
| 8S-00017        | 40329     | Th-232       | 1.33       | 0.0608 | 0.133  | 3.1    | 1.00 - 5.00             |
| 8S-00017        | 40329     | Th-234       | 1.58 J     | 0.353  | 0.193  | 3.19   | 1.00 - 5.00             |
| 8S-00017        | 40329     | Tl-208       | 0.492      | 0.0248 | 0.0315 | 0.937  | 1.00 - 5.00             |
| 8S-00017        | 40329     | Tm-171       | -5.84 U    | 15.8   | 5.51   | 72.4   | 1.00 - 5.00             |
| 8S-00017        | 40329     | U-233/234    | 0.824      | 0.028  | 0.0795 | 2.02   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00017        | 40329     | U-235/236    | 0.0628     | 0.028  | 0.0179 | 0.151  | 1.00 - 5.00             |
| 8S-00017        | 40329     | U-238        | 0.853      | 0.0322 | 0.0817 | 1.8    | 1.00 - 5.00             |
| 8S-00018        | 40314     | Ac-227       | -0.035 U   | 0.138  | 0.0415 | 0.217  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Am-241       | -0.0009 U  | 0.0153 | 0.0028 | 0.0454 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Bi-212       | 0.865      | 0.102  | 0.0683 | 2.15   | 0.00 - 0.50             |
| 8S-00018        | 40314     | Bi-214       | 0.854      | 0.023  | 0.0391 | 1.59   | 0.00 - 0.50             |
| 8S-00018        | 40314     | Cd-113m      | -31.5 U    | 92     | 28.3   | 3030   | 0.00 - 0.50             |
| 8S-00018        | 40314     | Cm-243/244   | 0.005 U    | 0.0154 | 0.0044 | 0.0443 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Co-60        | 0.0015 U   | 0.0135 | 0.0039 | 0.028  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Cs-134       | 0.0035 U   | 0.012  | 0.0042 | 0.0864 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Cs-137       | 0.0522     | 0.013  | 0.0062 | 0.207  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Eu-152       | -0.0142 U  | 0.0341 | 0.0108 | 0.0566 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Eu-154       | -0.0366 UJ | 0.0725 | 0.0238 | 0.15   | 0.00 - 0.50             |
| 8S-00018        | 40314     | Eu-155       | 0.0647 SJ  | 0.0482 | 0.0183 | 0.231  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Ho-166m      | 0.0017 U   | 0.0197 | 0.0057 | 0.0432 | 0.00 - 0.50             |
| 8S-00018        | 40314     | K-40         | 22.2       | 0.0976 | 1.24   | 32.4   | 0.00 - 0.50             |
| 8S-00018        | 40314     | Na-22        | -0.0049 U  | 0.0159 | 0.0052 | 0.037  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Nb-94        | 0.0012 U   | 0.0111 | 0.0032 | 0.0214 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Np-236       | -0.0135 U  | 0.0256 | 0.0086 | 0.047  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Np-239       | 0.0186 UJ  | 0.093  | 0.0274 | 0.139  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Pa-231       | -0.395 UJ  | 0.555  | 0.197  | 0.936  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Pb-212       | 1.5        | 0.0255 | 0.0891 | 2.69   | 0.00 - 0.50             |
| 8S-00018        | 40314     | Pb-214       | 0.944      | 0.0242 | 0.0451 | 1.7    | 0.00 - 0.50             |
| 8S-00018        | 40314     | Pu-238       | -0.0018 U  | 0.0155 | 0.003  | 0.0415 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Pu-239/240   | 0.0055     | 0.0155 | 0.0046 | 0.0404 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Pu-244       | 0.0024     | 0.0066 | 0.0024 | 0.0313 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Sb-125       | -0.0067 U  | 0.0324 | 0.0099 | 0.354  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Sn-126       | 0.0046 U   | 0.0127 | 0.0038 | 0.0237 | 0.00 - 0.50             |
| 8S-00018        | 40314     | Sr-90        | -0.0268 U  | 0.216  | 0.0572 | 0.485  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Th-228       | 1.26       | 0.106  | 0.125  | 3.98   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00018        | 40314     | Th-229       | 0.0203 U   | 0.073  | 0.0204 | 0.145  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Th-230       | 0.839      | 0.0183 | 0.09   | 2.2    | 0.00 - 0.50             |
| 8S-00018        | 40314     | Th-232       | 1.27       | 0.0183 | 0.119  | 3.1    | 0.00 - 0.50             |
| 8S-00018        | 40314     | Th-234       | 1.35       | 0.193  | 0.118  | 3.19   | 0.00 - 0.50             |
| 8S-00018        | 40314     | Tl-208       | 0.422      | 0.0129 | 0.0235 | 0.937  | 0.00 - 0.50             |
| 8S-00018        | 40314     | Tm-171       | -1.73 U    | 8.4    | 2.86   | 72.4   | 0.00 - 0.50             |
| 8S-00018        | 40314     | U-233/234    | 0.716      | 0.0228 | 0.0715 | 2.02   | 0.00 - 0.50             |
| 8S-00018        | 40314     | U-235/236    | 0.0631     | 0.0282 | 0.018  | 0.151  | 0.00 - 0.50             |
| 8S-00018        | 40314     | U-238        | 0.751      | 0.0097 | 0.074  | 1.8    | 0.00 - 0.50             |
| 8S-00018        | 40315     | Ac-227       | -0.0702 U  | 0.202  | 0.0626 | 0.217  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Am-241       | 0.0206     | 0.0211 | 0.0083 | 0.0454 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Bi-212       | 0.942      | 0.15   | 0.0888 | 2.15   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Bi-214       | 0.989      | 0.0322 | 0.0476 | 1.59   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Cd-113m      | 16.4 U     | 136    | 41.6   | 3030   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Cm-243/244   | 0.0021 U   | 0.0456 | 0.0121 | 0.0443 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Co-60        | -0.0024 U  | 0.0198 | 0.0059 | 0.028  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Cs-134       | -0.0007 U  | 0.0162 | 0.0055 | 0.0864 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Cs-137       | -0.0099 UJ | 0.0184 | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Eu-152       | -0.029 U   | 0.05   | 0.018  | 0.0566 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Eu-154       | -0.0281 U  | 0.109  | 0.0327 | 0.15   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Eu-155       | 0.0517 JS  | 0.0744 | 0.0254 | 0.231  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Ho-166m      | -0.0041 U  | 0.0279 | 0.0084 | 0.0432 | 1.00 - 5.00             |
| 8S-00018        | 40315     | K-40         | 19.1       | 0.153  | 1.16   | 32.4   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Na-22        | -0.0078 U  | 0.0241 | 0.0075 | 0.037  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Nb-94        | 0.0078 U   | 0.0172 | 0.0053 | 0.0214 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Np-236       | 0.0024 U   | 0.0382 | 0.0116 | 0.047  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Np-239       | -0.0304 U  | 0.132  | 0.0396 | 0.139  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Pa-231       | 0.234 U    | 0.853  | 0.265  | 0.936  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Pb-212       | 1.49       | 0.0355 | 0.1    | 2.69   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Pb-214       | 1.01       | 0.0367 | 0.0542 | 1.7    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00018        | 40315     | Pu-238       | 0.0035 U   | 0.0175 | 0.0044 | 0.0415 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Pu-239/240   | 0.0051 U   | 0.0249 | 0.0065 | 0.0404 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Pu-244       | 0          | 0.0075 | 0.0028 | 0.0313 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Sb-125       | 0.0338 JS  | 0.0492 | 0.0164 | 0.354  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Sn-126       | -0.0033 U  | 0.0185 | 0.0056 | 0.0237 | 1.00 - 5.00             |
| 8S-00018        | 40315     | Sr-90        | -0.0332 U  | 0.313  | 0.084  | 0.485  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Th-228       | 1.39       | 0.0976 | 0.132  | 3.98   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Th-229       | 0.007 U    | 0.0513 | 0.0121 | 0.145  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Th-230       | 0.995      | 0.0512 | 0.102  | 2.2    | 1.00 - 5.00             |
| 8S-00018        | 40315     | Th-232       | 1.34       | 0.0511 | 0.125  | 3.1    | 1.00 - 5.00             |
| 8S-00018        | 40315     | Th-234       | 1.38 J     | 0.311  | 0.157  | 3.19   | 1.00 - 5.00             |
| 8S-00018        | 40315     | Tl-208       | 0.487      | 0.0184 | 0.0287 | 0.937  | 1.00 - 5.00             |
| 8S-00018        | 40315     | Tm-171       | -16.1 UJ   | 16.1   | 6.7    | 72.4   | 1.00 - 5.00             |
| 8S-00018        | 40315     | U-233/234    | 0.797      | 0.0305 | 0.0794 | 2.02   | 1.00 - 5.00             |
| 8S-00018        | 40315     | U-235/236    | 0.0718     | 0.013  | 0.0192 | 0.151  | 1.00 - 5.00             |
| 8S-00018        | 40315     | U-238        | 0.832      | 0.035  | 0.0821 | 1.8    | 1.00 - 5.00             |
| 8S-00019        | 40316     | Ac-227       | -0.123 UJ  | 0.169  | 0.0586 | 0.217  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Am-241       | 0.0003 U   | 0.0224 | 0.005  | 0.0454 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Bi-212       | 0.971      | 0.139  | 0.0822 | 2.15   | 0.00 - 0.50             |
| 8S-00019        | 40316     | Bi-214       | 0.717      | 0.0295 | 0.0369 | 1.59   | 0.00 - 0.50             |
| 8S-00019        | 40316     | Cd-113m      | -38.3 U    | 117    | 38.8   | 3030   | 0.00 - 0.50             |
| 8S-00019        | 40316     | Cm-243/244   | -0.003 U   | 0.0263 | 0.0056 | 0.0443 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Co-60        | 0.0057 U   | 0.0185 | 0.0054 | 0.028  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Cs-134       | 0.0048 U   | 0.0152 | 0.0051 | 0.0864 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Cs-137       | 0.0391     | 0.017  | 0.0095 | 0.207  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Eu-152       | -0.0435 UJ | 0.0417 | 0.0175 | 0.0566 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Eu-154       | -0.0181 UJ | 0.0951 | 0.028  | 0.15   | 0.00 - 0.50             |
| 8S-00019        | 40316     | Eu-155       | 0.0682 SJ  | 0.0615 | 0.0205 | 0.231  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Ho-166m      | 0.0004 U   | 0.0269 | 0.0079 | 0.0432 | 0.00 - 0.50             |
| 8S-00019        | 40316     | K-40         | 21.7       | 0.12   | 1.17   | 32.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00019        | 40316     | Na-22        | 0.0026 U  | 0.0219 | 0.0064 | 0.037  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Nb-94        | -0.0016 U | 0.0148 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Np-236       | -0.0113 U | 0.0319 | 0.0101 | 0.047  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Np-239       | 0.0128 UJ | 0.117  | 0.0343 | 0.139  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Pa-231       | -0.611 UJ | 0.692  | 0.263  | 0.936  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Pb-212       | 1.41      | 0.0309 | 0.0816 | 2.69   | 0.00 - 0.50             |
| 8S-00019        | 40316     | Pb-214       | 0.763     | 0.031  | 0.038  | 1.7    | 0.00 - 0.50             |
| 8S-00019        | 40316     | Pu-238       | 0.0006 U  | 0.0143 | 0.0028 | 0.0415 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Pu-239/240   | -0.001 U  | 0.0176 | 0.0032 | 0.0404 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Pu-244       | 0.0112    | 0.0061 | 0.005  | 0.0313 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Sb-125       | 0.0017 U  | 0.0434 | 0.0131 | 0.354  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Sn-126       | -0.0002 U | 0.0171 | 0.005  | 0.0237 | 0.00 - 0.50             |
| 8S-00019        | 40316     | Sr-90        | 0.128     | 0.182  | 0.0595 | 0.485  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Th-228       | 1.34      | 0.0912 | 0.129  | 3.98   | 0.00 - 0.50             |
| 8S-00019        | 40316     | Th-229       | 0.0137 U  | 0.0737 | 0.0194 | 0.145  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Th-230       | 0.806     | 0.0185 | 0.0879 | 2.2    | 0.00 - 0.50             |
| 8S-00019        | 40316     | Th-232       | 0.974     | 0.0501 | 0.0998 | 3.1    | 0.00 - 0.50             |
| 8S-00019        | 40316     | Th-234       | 1.38      | 0.247  | 0.135  | 3.19   | 0.00 - 0.50             |
| 8S-00019        | 40316     | Tl-208       | 0.458     | 0.0176 | 0.0263 | 0.937  | 0.00 - 0.50             |
| 8S-00019        | 40316     | Tm-171       | 4.6 U     | 11.3   | 3.88   | 72.4   | 0.00 - 0.50             |
| 8S-00019        | 40316     | U-233/234    | 0.673     | 0.0227 | 0.0682 | 2.02   | 0.00 - 0.50             |
| 8S-00019        | 40316     | U-235/236    | 0.0659    | 0.0119 | 0.0176 | 0.151  | 0.00 - 0.50             |
| 8S-00019        | 40316     | U-238        | 0.8       | 0.0096 | 0.0775 | 1.8    | 0.00 - 0.50             |
| 8S-00019        | 40317     | Ac-227       | 0.0471 U  | 0.167  | 0.0497 | 0.217  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Am-241       | 0.0007 U  | 0.0149 | 0.0029 | 0.0454 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Bi-212       | 0.699     | 0.121  | 0.0685 | 2.15   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Bi-214       | 0.585     | 0.0269 | 0.0315 | 1.59   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Cd-113m      | -30.6 U   | 108    | 32.9   | 3030   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Cm-243/244   | 0.003 U   | 0.0149 | 0.0037 | 0.0443 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Co-60        | 0.0011 U  | 0.018  | 0.0053 | 0.028  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00019        | 40317     | Cs-134       | -0.0033 U  | 0.0134 | 0.0047 | 0.0864 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Cs-137       | -0.0049 U  | 0.0153 | 0.0047 | 0.207  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Eu-152       | 0.0026 U   | 0.0417 | 0.0134 | 0.0566 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Eu-154       | -0.0591 UJ | 0.0954 | 0.032  | 0.15   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Eu-155       | 0.105 SJ   | 0.0576 | 0.028  | 0.231  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Ho-166m      | 0.0046 U   | 0.0248 | 0.0073 | 0.0432 | 1.00 - 5.00             |
| 8S-00019        | 40317     | K-40         | 21.4       | 0.12   | 1.31   | 32.4   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Na-22        | -0.0187 UJ | 0.0202 | 0.0078 | 0.037  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Nb-94        | 0.0009 U   | 0.0142 | 0.0042 | 0.0214 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Np-236       | -0.014 U   | 0.0312 | 0.0101 | 0.047  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Np-239       | -0.0126 UJ | 0.11   | 0.0323 | 0.139  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Pa-231       | 0.0585 U   | 0.696  | 0.205  | 0.936  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Pb-212       | 1.16       | 0.0285 | 0.0698 | 2.69   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Pb-214       | 0.651      | 0.0294 | 0.0344 | 1.7    | 1.00 - 5.00             |
| 8S-00019        | 40317     | Pu-238       | 0.009 U    | 0.0223 | 0.0067 | 0.0415 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Pu-239/240   | -0.0018 U  | 0.0205 | 0.0041 | 0.0404 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Pu-244       | 0.0102     | 0.0056 | 0.0046 | 0.0313 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Sb-125       | 0.0043 U   | 0.0398 | 0.012  | 0.354  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Sn-126       | -0.0001 U  | 0.0152 | 0.0045 | 0.0237 | 1.00 - 5.00             |
| 8S-00019        | 40317     | Sr-90        | 0.168      | 0.16   | 0.0577 | 0.485  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Th-228       | 1.24       | 0.109  | 0.129  | 3.98   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Th-229       | 0.0319     | 0.0587 | 0.0196 | 0.145  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Th-230       | 0.533      | 0.0216 | 0.0728 | 2.2    | 1.00 - 5.00             |
| 8S-00019        | 40317     | Th-232       | 1.21       | 0.0215 | 0.122  | 3.1    | 1.00 - 5.00             |
| 8S-00019        | 40317     | Th-234       | 1.12 J     | 0.26   | 0.137  | 3.19   | 1.00 - 5.00             |
| 8S-00019        | 40317     | Tl-208       | 0.382      | 0.0149 | 0.0226 | 0.937  | 1.00 - 5.00             |
| 8S-00019        | 40317     | Tm-171       | -0.382 U   | 12.6   | 4.13   | 72.4   | 1.00 - 5.00             |
| 8S-00019        | 40317     | U-233/234    | 0.56       | 0.056  | 0.0732 | 2.02   | 1.00 - 5.00             |
| 8S-00019        | 40317     | U-235/236    | 0.0251     | 0.0487 | 0.0164 | 0.151  | 1.00 - 5.00             |
| 8S-00019        | 40317     | U-238        | 0.613      | 0.062  | 0.0779 | 1.8    | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00020        | 40318     | Ac-227       | -0.0234 U  | 0.168  | 0.0506 | 0.217  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Am-241       | 0.002 U    | 0.022  | 0.0052 | 0.0454 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Bi-212       | 0.784 J    | 0.125  | 0.0802 | 2.15   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Bi-214       | 0.65       | 0.0265 | 0.0324 | 1.59   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Cd-113m      | 72.4 J     | 113    | 37.1   | 3030   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Cm-243/244   | 0.0007 U   | 0.0156 | 0.003  | 0.0443 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Co-60        | -0.0012 U  | 0.0163 | 0.0048 | 0.028  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Cs-134       | -0.0024 U  | 0.014  | 0.0048 | 0.0864 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Cs-137       | 0.0486     | 0.0164 | 0.0086 | 0.207  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Eu-152       | 0.0085 U   | 0.0438 | 0.0151 | 0.0566 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Eu-154       | -0.0353 UJ | 0.0905 | 0.0283 | 0.15   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Eu-155       | 0.0898 SJ  | 0.0593 | 0.025  | 0.231  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Ho-166m      | 0.0019 U   | 0.0234 | 0.0069 | 0.0432 | 0.00 - 0.50             |
| 8S-00020        | 40318     | K-40         | 17.2       | 0.111  | 1.06   | 32.4   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Na-22        | 0.0029 U   | 0.0199 | 0.0058 | 0.037  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Nb-94        | -0.0008 U  | 0.0136 | 0.0041 | 0.0214 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Np-236       | -0.0054 U  | 0.0315 | 0.0098 | 0.047  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Np-239       | -0.0445 UJ | 0.11   | 0.0345 | 0.139  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Pa-231       | 0.309 U    | 0.707  | 0.235  | 0.936  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Pb-212       | 1.28       | 0.0303 | 0.0827 | 2.69   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Pb-214       | 0.734      | 0.0301 | 0.0374 | 1.7    | 0.00 - 0.50             |
| 8S-00020        | 40318     | Pu-238       | 0.0006 U   | 0.0135 | 0.0026 | 0.0415 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Pu-239/240   | 0.0202     | 0.0167 | 0.0074 | 0.0404 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Pu-244       | 0.0127     | 0.0057 | 0.0052 | 0.0313 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Sb-125       | 0.0157 U   | 0.0415 | 0.0129 | 0.354  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Sn-126       | -0.001 U   | 0.0152 | 0.0045 | 0.0237 | 0.00 - 0.50             |
| 8S-00020        | 40318     | Sr-90        | 0.0951 U   | 0.263  | 0.0787 | 0.485  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Th-228       | 1.05       | 0.17   | 0.139  | 3.98   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Th-229       | 0.0652     | 0.101  | 0.0347 | 0.145  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Th-230       | 0.749      | 0.0294 | 0.103  | 2.2    | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00020        | 40318     | Th-232       | 0.973      | 0.0796 | 0.122  | 3.1    | 0.00 - 0.50             |
| 8S-00020        | 40318     | Th-234       | 1.29 J     | 0.257  | 0.16   | 3.19   | 0.00 - 0.50             |
| 8S-00020        | 40318     | Tl-208       | 0.372      | 0.0161 | 0.0212 | 0.937  | 0.00 - 0.50             |
| 8S-00020        | 40318     | Tm-171       | -10.2 U    | 14.5   | 5.56   | 72.4   | 0.00 - 0.50             |
| 8S-00020        | 40318     | U-233/234    | 0.685      | 0.0423 | 0.0688 | 2.02   | 0.00 - 0.50             |
| 8S-00020        | 40318     | U-235/236    | 0.027      | 0.0459 | 0.0151 | 0.151  | 0.00 - 0.50             |
| 8S-00020        | 40318     | U-238        | 0.765      | 0.0446 | 0.0748 | 1.8    | 0.00 - 0.50             |
| 8S-00020        | 40319     | Ac-227       | -0.0107 U  | 0.153  | 0.0456 | 0.217  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Am-241       | 0.0051     | 0.0143 | 0.0042 | 0.0454 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Bi-212       | 0.679      | 0.108  | 0.0637 | 2.15   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Bi-214       | 0.603      | 0.0241 | 0.0305 | 1.59   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Cd-113m      | -7.83 U    | 102    | 31.5   | 3030   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Cm-243/244   | 0.0035 U   | 0.0178 | 0.0045 | 0.0443 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Co-60        | -0.0021 U  | 0.0134 | 0.0041 | 0.028  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Cs-134       | 0.001 U    | 0.0117 | 0.0039 | 0.0864 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Cs-137       | -0.0033 U  | 0.0137 | 0.0047 | 0.207  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Eu-152       | -0.0373 UJ | 0.0359 | 0.0147 | 0.0566 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Eu-154       | -0.0519 UJ | 0.0741 | 0.0261 | 0.15   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Eu-155       | 0.0614 SJ  | 0.0539 | 0.0193 | 0.231  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Ho-166m      | -0.0081 U  | 0.0212 | 0.0066 | 0.0432 | 1.00 - 5.00             |
| 8S-00020        | 40319     | K-40         | 15.5       | 0.0984 | 0.895  | 32.4   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Na-22        | -0.0017 U  | 0.0158 | 0.0048 | 0.037  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Nb-94        | 0.0025 U   | 0.0126 | 0.0037 | 0.0214 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Np-236       | -0.0302 UJ | 0.0289 | 0.0112 | 0.047  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Np-239       | -0.0328 UJ | 0.104  | 0.0322 | 0.139  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Pa-231       | -0.0061 U  | 0.638  | 0.197  | 0.936  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Pb-212       | 1.13       | 0.0264 | 0.0715 | 2.69   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Pb-214       | 0.665      | 0.0266 | 0.0349 | 1.7    | 1.00 - 5.00             |
| 8S-00020        | 40319     | Pu-238       | -0.0016 U  | 0.0139 | 0.0027 | 0.0415 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Pu-239/240   | 0.0071     | 0.0138 | 0.0046 | 0.0404 | 1.00 - 5.00             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00020        | 40319     | Pu-244       | 0.0099     | 0.0171 | 0.0058 | 0.0313 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Sb-125       | -0.0198 U  | 0.0339 | 0.0116 | 0.354  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Sn-126       | 0.0043 U   | 0.0139 | 0.0041 | 0.0237 | 1.00 - 5.00             |
| 8S-00020        | 40319     | Sr-90        | -0.0153 U  | 0.185  | 0.0481 | 0.485  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Th-228       | 1.01       | 0.119  | 0.115  | 3.98   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Th-229       | 0.0161 U   | 0.0869 | 0.0228 | 0.145  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Th-230       | 0.724      | 0.0218 | 0.088  | 2.2    | 1.00 - 5.00             |
| 8S-00020        | 40319     | Th-232       | 1.1        | 0.0591 | 0.116  | 3.1    | 1.00 - 5.00             |
| 8S-00020        | 40319     | Th-234       | 1.07 J     | 0.233  | 0.127  | 3.19   | 1.00 - 5.00             |
| 8S-00020        | 40319     | Tl-208       | 0.336      | 0.0132 | 0.0197 | 0.937  | 1.00 - 5.00             |
| 8S-00020        | 40319     | Tm-171       | -2.11 U    | 9.72   | 3.43   | 72.4   | 1.00 - 5.00             |
| 8S-00020        | 40319     | U-233/234    | 0.666      | 0.0366 | 0.0793 | 2.02   | 1.00 - 5.00             |
| 8S-00020        | 40319     | U-235/236    | 0.0498     | 0.0193 | 0.0192 | 0.151  | 1.00 - 5.00             |
| 8S-00020        | 40319     | U-238        | 0.745      | 0.0454 | 0.0859 | 1.8    | 1.00 - 5.00             |
| 8S-00021        | 40320     | Ac-227       | -0.0332 U  | 0.198  | 0.0605 | 0.217  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Am-241       | 0.0098     | 0.0067 | 0.0049 | 0.0454 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Bi-212       | 0.917 J    | 0.149  | 0.0959 | 2.15   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Bi-214       | 0.887      | 0.0325 | 0.0438 | 1.59   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Cd-113m      | -71 U      | 132    | 45.2   | 3030   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Cm-243/244   | 0.0053 U   | 0.0248 | 0.0066 | 0.0443 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Co-60        | -0.0048 U  | 0.0181 | 0.0055 | 0.028  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Cs-134       | 0.0022 U   | 0.0172 | 0.0058 | 0.0864 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Cs-137       | 0.0307     | 0.0208 | 0.01   | 0.207  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Eu-152       | -0.0022 U  | 0.0498 | 0.0187 | 0.0566 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Eu-154       | -0.0013 UJ | 0.107  | 0.0308 | 0.15   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Eu-155       | 0.0609 SJ  | 0.0741 | 0.0257 | 0.231  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Ho-166m      | -0.0114 U  | 0.027  | 0.0087 | 0.0432 | 0.00 - 0.50             |
| 8S-00021        | 40320     | K-40         | 19.3       | 0.13   | 1.09   | 32.4   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Na-22        | -0.0151 U  | 0.0229 | 0.0079 | 0.037  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Nb-94        | -0.0068 U  | 0.0164 | 0.0052 | 0.0214 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00021        | 40320     | Np-236       | 0.0045 U   | 0.0381 | 0.0112 | 0.047  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Np-239       | -0.0008 UJ | 0.133  | 0.0398 | 0.139  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Pa-231       | -0.18 U    | 0.804  | 0.284  | 0.936  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Pb-212       | 1.4        | 0.0367 | 0.083  | 2.69   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Pb-214       | 1.03       | 0.0355 | 0.0499 | 1.7    | 0.00 - 0.50             |
| 8S-00021        | 40320     | Pu-238       | 0          | 0.0057 | 0.0021 | 0.0415 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Pu-239/240   | 0.0039 U   | 0.019  | 0.005  | 0.0404 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Pu-244       | 0.0054 U   | 0.0166 | 0.0047 | 0.0313 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Sb-125       | 0.0218 U   | 0.051  | 0.0154 | 0.354  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Sn-126       | 0.0031 U   | 0.0185 | 0.0055 | 0.0237 | 0.00 - 0.50             |
| 8S-00021        | 40320     | Sr-90        | -0.1 U     | 0.245  | 0.0608 | 0.485  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Th-228       | 1.11       | 0.128  | 0.125  | 3.98   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Th-229       | 0.0246 U   | 0.0883 | 0.0246 | 0.145  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Th-230       | 0.744      | 0.076  | 0.092  | 2.2    | 0.00 - 0.50             |
| 8S-00021        | 40320     | Th-232       | 1.04       | 0.0758 | 0.113  | 3.1    | 0.00 - 0.50             |
| 8S-00021        | 40320     | Th-234       | 1.49 J     | 0.293  | 0.165  | 3.19   | 0.00 - 0.50             |
| 8S-00021        | 40320     | Tl-208       | 0.434      | 0.019  | 0.0268 | 0.937  | 0.00 - 0.50             |
| 8S-00021        | 40320     | Tm-171       | -4.88 U    | 13.9   | 5.03   | 72.4   | 0.00 - 0.50             |
| 8S-00021        | 40320     | U-233/234    | 0.548      | 0.0101 | 0.0594 | 2.02   | 0.00 - 0.50             |
| 8S-00021        | 40320     | U-235/236    | 0.0552     | 0.0125 | 0.0164 | 0.151  | 0.00 - 0.50             |
| 8S-00021        | 40320     | U-238        | 0.648      | 0.0373 | 0.0676 | 1.8    | 0.00 - 0.50             |
| 8S-00021        | 40321     | Ac-227       | -0.009 U   | 0.175  | 0.0508 | 0.217  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Am-241       | 0.0085     | 0.0126 | 0.0047 | 0.0454 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Bi-212       | 0.847      | 0.123  | 0.0752 | 2.15   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Bi-214       | 0.794      | 0.0266 | 0.0383 | 1.59   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Cd-113m      | 15.3 U     | 116    | 34.8   | 3030   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Cm-243/244   | 0.0065     | 0.0126 | 0.0042 | 0.0443 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Co-60        | 0.0027 U   | 0.0154 | 0.0045 | 0.028  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Cs-134       | -0.002 U   | 0.0131 | 0.0046 | 0.0864 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Cs-137       | -0.0104 U  | 0.0153 | 0.0061 | 0.207  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00021        | 40321     | Eu-152       | 0.0026 U   | 0.0437 | 0.0132 | 0.0566 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Eu-154       | -0.0312 UJ | 0.0887 | 0.0276 | 0.15   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Eu-155       | 0.0588 SJ  | 0.0585 | 0.0224 | 0.231  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Ho-166m      | 0.0029 U   | 0.0254 | 0.0077 | 0.0432 | 1.00 - 5.00             |
| 8S-00021        | 40321     | K-40         | 17.2       | 0.125  | 0.976  | 32.4   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Na-22        | -0.0052 U  | 0.0187 | 0.0058 | 0.037  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Nb-94        | 0.0034 U   | 0.0146 | 0.0044 | 0.0214 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Np-236       | -0.0042 U  | 0.0325 | 0.0099 | 0.047  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Np-239       | -0.0238 UJ | 0.117  | 0.0369 | 0.139  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Pa-231       | 0.048 U    | 0.72   | 0.208  | 0.936  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Pb-212       | 1.25       | 0.0306 | 0.0741 | 2.69   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Pb-214       | 0.887      | 0.0307 | 0.0432 | 1.7    | 1.00 - 5.00             |
| 8S-00021        | 40321     | Pu-238       | 0          | 0.006  | 0.0022 | 0.0415 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Pu-239/240   | 0.0056 U   | 0.0174 | 0.005  | 0.0404 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Pu-244       | 0.0094     | 0.014  | 0.0052 | 0.0313 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Sb-125       | -0.0029 U  | 0.0404 | 0.012  | 0.354  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Sn-126       | 0.0047 U   | 0.0166 | 0.005  | 0.0237 | 1.00 - 5.00             |
| 8S-00021        | 40321     | Sr-90        | 0.0676 U   | 0.194  | 0.0578 | 0.485  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Th-228       | 1.06       | 0.14   | 0.116  | 3.98   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Th-229       | 0.0371     | 0.0891 | 0.0268 | 0.145  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Th-230       | 0.754      | 0.0545 | 0.0879 | 2.2    | 1.00 - 5.00             |
| 8S-00021        | 40321     | Th-232       | 0.988      | 0.02   | 0.104  | 3.1    | 1.00 - 5.00             |
| 8S-00021        | 40321     | Th-234       | 1.39 J     | 0.256  | 0.148  | 3.19   | 1.00 - 5.00             |
| 8S-00021        | 40321     | Tl-208       | 0.374      | 0.0151 | 0.0226 | 0.937  | 1.00 - 5.00             |
| 8S-00021        | 40321     | Tm-171       | 0.512 U    | 11.2   | 3.71   | 72.4   | 1.00 - 5.00             |
| 8S-00021        | 40321     | U-233/234    | 0.514      | 0.0773 | 0.074  | 2.02   | 1.00 - 5.00             |
| 8S-00021        | 40321     | U-235/236    | 0.02       | 0.0559 | 0.0165 | 0.151  | 1.00 - 5.00             |
| 8S-00021        | 40321     | U-238        | 0.795      | 0.0192 | 0.0962 | 1.8    | 1.00 - 5.00             |
| 8S-00022        | 40322     | Ac-227       | 0.0623 U   | 0.163  | 0.0507 | 0.217  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Am-241       | 0.0007 U   | 0.0153 | 0.003  | 0.0454 | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00022        | 40322     | Bi-212       | 0.698      | 0.116  | 0.0634 | 2.15   | 0.00 - 0.50             |
| 8S-00022        | 40322     | Bi-214       | 0.639      | 0.0255 | 0.0325 | 1.59   | 0.00 - 0.50             |
| 8S-00022        | 40322     | Cd-113m      | -9.19 U    | 104    | 36     | 3030   | 0.00 - 0.50             |
| 8S-00022        | 40322     | Cm-243/244   | 0.0055     | 0.0154 | 0.0046 | 0.0443 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Co-60        | 0.0002 U   | 0.0143 | 0.0042 | 0.028  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Cs-134       | 0.002 U    | 0.0133 | 0.0045 | 0.0864 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Cs-137       | 0.0827     | 0.0151 | 0.0084 | 0.207  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Eu-152       | -0.0317 UJ | 0.0392 | 0.015  | 0.0566 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Eu-154       | 0.0091 U   | 0.081  | 0.0233 | 0.15   | 0.00 - 0.50             |
| 8S-00022        | 40322     | Eu-155       | 0.0997 JS  | 0.0528 | 0.0253 | 0.231  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Ho-166m      | -0.005 U   | 0.0208 | 0.0064 | 0.0432 | 0.00 - 0.50             |
| 8S-00022        | 40322     | K-40         | 15.5       | 0.0997 | 0.932  | 32.4   | 0.00 - 0.50             |
| 8S-00022        | 40322     | Na-22        | -0.0116 U  | 0.0172 | 0.006  | 0.037  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Nb-94        | 0.0095 J   | 0.0133 | 0.0044 | 0.0214 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Np-236       | -0.0024 U  | 0.0292 | 0.0089 | 0.047  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Np-239       | 0.012 U    | 0.106  | 0.0319 | 0.139  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Pa-231       | 0.143 U    | 0.654  | 0.199  | 0.936  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Pb-212       | 1.08       | 0.0287 | 0.0667 | 2.69   | 0.00 - 0.50             |
| 8S-00022        | 40322     | Pb-214       | 0.725      | 0.0291 | 0.0368 | 1.7    | 0.00 - 0.50             |
| 8S-00022        | 40322     | Pu-238       | 0.0027 U   | 0.0132 | 0.0033 | 0.0415 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Pu-239/240   | 0.01       | 0.0187 | 0.0061 | 0.0404 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Pu-244       | 0          | 0.0056 | 0.0021 | 0.0313 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Sb-125       | 0.0226 JS  | 0.0394 | 0.0123 | 0.354  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Sn-126       | 0.0042 U   | 0.0144 | 0.0043 | 0.0237 | 0.00 - 0.50             |
| 8S-00022        | 40322     | Sr-90        | 1.53       | 0.211  | 0.192  | 0.485  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Th-228       | 0.94       | 0.121  | 0.111  | 3.98   | 0.00 - 0.50             |
| 8S-00022        | 40322     | Th-229       | 0.0159 U   | 0.0855 | 0.0225 | 0.145  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Th-230       | 0.681      | 0.0952 | 0.0875 | 2.2    | 0.00 - 0.50             |
| 8S-00022        | 40322     | Th-232       | 1          | 0.0214 | 0.108  | 3.1    | 0.00 - 0.50             |
| 8S-00022        | 40322     | Th-234       | 1.12 J     | 0.228  | 0.116  | 3.19   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00022        | 40322     | Tl-208       | 0.343      | 0.0141 | 0.0207 | 0.937  | 0.00 - 0.50             |
| 8S-00022        | 40322     | Tm-171       | -6.66 U    | 9.68   | 3.79   | 72.4   | 0.00 - 0.50             |
| 8S-00022        | 40322     | U-233/234    | 0.508      | 0.0413 | 0.0641 | 2.02   | 0.00 - 0.50             |
| 8S-00022        | 40322     | U-235/236    | 0.0231     | 0.0511 | 0.016  | 0.151  | 0.00 - 0.50             |
| 8S-00022        | 40322     | U-238        | 0.719      | 0.0334 | 0.0811 | 1.8    | 0.00 - 0.50             |
| 8S-00022        | 40323     | Ac-227       | 0.0047 U   | 0.179  | 0.0525 | 0.217  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Am-241       | -0.0003 U  | 0.0198 | 0.0041 | 0.0454 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Bi-212       | 0.669 J    | 0.203  | 0.172  | 2.15   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Bi-214       | 0.637      | 0.0272 | 0.0342 | 1.59   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Cd-113m      | -15.4 U    | 116    | 35.5   | 3030   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Cm-243/244   | 0.0028 U   | 0.0139 | 0.0035 | 0.0443 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Co-60        | 0.0037 U   | 0.0172 | 0.0049 | 0.028  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Cs-134       | 0.0035 U   | 0.0141 | 0.0047 | 0.0864 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Cs-137       | -0.0156 UJ | 0.016  | 0.0062 | 0.207  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Eu-152       | -0.0117 U  | 0.0438 | 0.0146 | 0.0566 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Eu-154       | -0.0529 U  | 0.0911 | 0.0301 | 0.15   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Eu-155       | 0.0382 JS  | 0.0641 | 0.0211 | 0.231  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Ho-166m      | -0.004 U   | 0.0251 | 0.0075 | 0.0432 | 1.00 - 5.00             |
| 8S-00022        | 40323     | K-40         | 13.8       | 0.144  | 0.846  | 32.4   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Na-22        | -0.0019 U  | 0.0202 | 0.0059 | 0.037  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Nb-94        | 0.0095 J   | 0.0159 | 0.005  | 0.0214 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Np-236       | 0.0023 U   | 0.0338 | 0.0103 | 0.047  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Np-239       | -0.0356 U  | 0.117  | 0.0357 | 0.139  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Pa-231       | 0.0817 U   | 0.744  | 0.227  | 0.936  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Pb-212       | 1.06       | 0.0296 | 0.0717 | 2.69   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Pb-214       | 0.738      | 0.0321 | 0.0408 | 1.7    | 1.00 - 5.00             |
| 8S-00022        | 40323     | Pu-238       | 0          | 0.0071 | 0.0026 | 0.0415 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Pu-239/240   | 0.0026     | 0.0071 | 0.0026 | 0.0404 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Pu-244       | 0.0026     | 0.0071 | 0.0026 | 0.0313 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Sb-125       | 0.0106 U   | 0.0427 | 0.0129 | 0.354  | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00022        | 40323     | Sn-126       | 0.0018 U  | 0.0173 | 0.0051 | 0.0237 | 1.00 - 5.00             |
| 8S-00022        | 40323     | Sr-90        | 0.0826 U  | 0.363  | 0.106  | 0.485  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Th-228       | 0.978     | 0.0798 | 0.111  | 3.98   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Th-229       | 0.0084 U  | 0.0779 | 0.0187 | 0.145  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Th-230       | 0.686     | 0.0616 | 0.0873 | 2.2    | 1.00 - 5.00             |
| 8S-00022        | 40323     | Th-232       | 0.975     | 0.0226 | 0.108  | 3.1    | 1.00 - 5.00             |
| 8S-00022        | 40323     | Th-234       | 1.11 J    | 0.337  | 0.296  | 3.19   | 1.00 - 5.00             |
| 8S-00022        | 40323     | Tl-208       | 0.312     | 0.0154 | 0.0201 | 0.937  | 1.00 - 5.00             |
| 8S-00022        | 40323     | Tm-171       | -3.29 U   | 13.8   | 4.2    | 72.4   | 1.00 - 5.00             |
| 8S-00022        | 40323     | U-233/234    | 0.508     | 0.0159 | 0.0664 | 2.02   | 1.00 - 5.00             |
| 8S-00022        | 40323     | U-235/236    | 0.029     | 0.0196 | 0.0147 | 0.151  | 1.00 - 5.00             |
| 8S-00022        | 40323     | U-238        | 0.647     | 0.0374 | 0.0783 | 1.8    | 1.00 - 5.00             |
| 8S-00023        | 40324     | Ac-227       | 0.0951 J  | 0.128  | 0.0445 | 0.217  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Am-241       | 0.0003 U  | 0.0209 | 0.0047 | 0.0454 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Bi-212       | 0.914 J   | 0.179  | 0.223  | 2.15   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Bi-214       | 0.815     | 0.0231 | 0.0396 | 1.59   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Cd-113m      | 5.59 U    | 81.6   | 26.3   | 3030   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Cm-243/244   | -0.0013 U | 0.0229 | 0.005  | 0.0443 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Co-60        | 0.0046 U  | 0.0145 | 0.0043 | 0.028  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Cs-134       | 0.0037 U  | 0.0123 | 0.0043 | 0.0864 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Cs-137       | 0.0647    | 0.0143 | 0.0083 | 0.207  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Eu-152       | 0.0032 U  | 0.0315 | 0.0111 | 0.0566 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Eu-154       | -0.0403 U | 0.0806 | 0.0266 | 0.15   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Eu-155       | 0.0691 JS | 0.037  | 0.0193 | 0.231  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Ho-166m      | -0.0004 U | 0.021  | 0.0061 | 0.0432 | 0.00 - 0.50             |
| 8S-00023        | 40324     | K-40         | 18.4      | 0.103  | 0.989  | 32.4   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Na-22        | -0.0067 U | 0.0178 | 0.0055 | 0.037  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Nb-94        | 0.0004 U  | 0.0117 | 0.0034 | 0.0214 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Np-236       | -0.0069 U | 0.0203 | 0.0062 | 0.047  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Np-239       | -0.0117 U | 0.08   | 0.0246 | 0.139  | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00023        | 40324     | Pa-231       | 0.0683 U  | 0.532  | 0.173  | 0.936  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Pb-212       | 1.32      | 0.0223 | 0.0727 | 2.69   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Pb-214       | 0.83      | 0.0233 | 0.0392 | 1.7    | 0.00 - 0.50             |
| 8S-00023        | 40324     | Pu-238       | 0.0111    | 0.006  | 0.005  | 0.0415 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Pu-239/240   | 0.0022    | 0.006  | 0.0022 | 0.0404 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Pu-244       | 0.0066    | 0.006  | 0.0038 | 0.0313 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Sb-125       | 0.002 U   | 0.0331 | 0.0098 | 0.354  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Sn-126       | 0.0027 U  | 0.0136 | 0.004  | 0.0237 | 0.00 - 0.50             |
| 8S-00023        | 40324     | Sr-90        | -0.004 U  | 0.237  | 0.0637 | 0.485  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Th-228       | 1.08      | 0.0955 | 0.116  | 3.98   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Th-229       | 0.0147 U  | 0.079  | 0.0208 | 0.145  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Th-230       | 0.703     | 0.0789 | 0.0853 | 2.2    | 0.00 - 0.50             |
| 8S-00023        | 40324     | Th-232       | 1.12      | 0.0198 | 0.113  | 3.1    | 0.00 - 0.50             |
| 8S-00023        | 40324     | Th-234       | 1.12      | 0.146  | 0.103  | 3.19   | 0.00 - 0.50             |
| 8S-00023        | 40324     | Tl-208       | 0.447     | 0.0135 | 0.0257 | 0.937  | 0.00 - 0.50             |
| 8S-00023        | 40324     | Tm-171       | 1.92 U    | 4.9    | 1.72   | 72.4   | 0.00 - 0.50             |
| 8S-00023        | 40324     | U-233/234    | 0.602     | 0.0581 | 0.0778 | 2.02   | 0.00 - 0.50             |
| 8S-00023        | 40324     | U-235/236    | 0.0397    | 0.0215 | 0.018  | 0.151  | 0.00 - 0.50             |
| 8S-00023        | 40324     | U-238        | 0.597     | 0.0174 | 0.0764 | 1.8    | 0.00 - 0.50             |
| 8S-00023        | 40325     | Ac-227       | -0.0082 U | 0.2    | 0.0586 | 0.217  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Am-241       | 0.0067 U  | 0.0216 | 0.0061 | 0.0454 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Bi-212       | 0.797 J   | 0.157  | 0.0856 | 2.15   | 1.00 - 5.00             |
| 8S-00023        | 40325     | Bi-214       | 0.867     | 0.0353 | 0.0447 | 1.59   | 1.00 - 5.00             |
| 8S-00023        | 40325     | Cd-113m      | -2.99 U   | 132    | 40     | 3030   | 1.00 - 5.00             |
| 8S-00023        | 40325     | Cm-243/244   | 0.0036 U  | 0.0252 | 0.0065 | 0.0443 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Co-60        | -0.0072 U | 0.0205 | 0.0064 | 0.028  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Cs-134       | -0.001 U  | 0.0168 | 0.0057 | 0.0864 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Cs-137       | 0.0064 UJ | 0.0205 | 0.0069 | 0.207  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Eu-152       | -0.0121 U | 0.052  | 0.0172 | 0.0566 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Eu-154       | -0.0344 U | 0.116  | 0.0353 | 0.15   | 1.00 - 5.00             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00023        | 40325     | Eu-155       | 0.0595 JS  | 0.0731 | 0.0256 | 0.231  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Ho-166m      | -0.0057 U  | 0.0315 | 0.0095 | 0.0432 | 1.00 - 5.00             |
| 8S-00023        | 40325     | K-40         | 19.3       | 0.156  | 1.19   | 32.4   | 1.00 - 5.00             |
| 8S-00023        | 40325     | Na-22        | -0.0055 U  | 0.0249 | 0.0076 | 0.037  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Nb-94        | -0.0014 U  | 0.0171 | 0.0051 | 0.0214 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Np-236       | -0.0095 U  | 0.0375 | 0.0116 | 0.047  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Np-239       | 0.0429 U   | 0.139  | 0.0412 | 0.139  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Pa-231       | -0.522 U   | 0.86   | 0.296  | 0.936  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Pb-212       | 1.41       | 0.0359 | 0.0847 | 2.69   | 1.00 - 5.00             |
| 8S-00023        | 40325     | Pb-214       | 0.964      | 0.0371 | 0.0486 | 1.7    | 1.00 - 5.00             |
| 8S-00023        | 40325     | Pu-238       | 0.003 U    | 0.0148 | 0.0037 | 0.0415 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Pu-239/240   | 0.0007 U   | 0.0148 | 0.0029 | 0.0404 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Pu-244       | 0.0013 U   | 0.0183 | 0.0041 | 0.0313 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Sb-125       | 0.0064 U   | 0.049  | 0.0147 | 0.354  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Sn-126       | -0.0167 UJ | 0.0184 | 0.007  | 0.0237 | 1.00 - 5.00             |
| 8S-00023        | 40325     | Sr-90        | 0.873      | 0.282  | 0.155  | 0.485  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Th-228       | 1.15       | 0.0813 | 0.117  | 3.98   | 1.00 - 5.00             |
| 8S-00023        | 40325     | Th-229       | -0.0074 U  | 0.104  | 0.0244 | 0.145  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Th-230       | 0.786      | 0.0791 | 0.0908 | 2.2    | 1.00 - 5.00             |
| 8S-00023        | 40325     | Th-232       | 1.13       | 0.0539 | 0.114  | 3.1    | 1.00 - 5.00             |
| 8S-00023        | 40325     | Th-234       | 1.8 J      | 0.309  | 0.187  | 3.19   | 1.00 - 5.00             |
| 8S-00023        | 40325     | Tl-208       | 0.435      | 0.0183 | 0.0266 | 0.937  | 1.00 - 5.00             |
| 8S-00023        | 40325     | Tm-171       | 1.18 U     | 15.4   | 5.01   | 72.4   | 1.00 - 5.00             |
| 8S-00023        | 40325     | U-233/234    | 0.771      | 0.0152 | 0.0871 | 2.02   | 1.00 - 5.00             |
| 8S-00023        | 40325     | U-235/236    | 0.0415     | 0.0188 | 0.0172 | 0.151  | 1.00 - 5.00             |
| 8S-00023        | 40325     | U-238        | 0.808      | 0.0357 | 0.0903 | 1.8    | 1.00 - 5.00             |
| 8S-00024        | 40326     | Ac-227       | -0.0639 U  | 0.171  | 0.0531 | 0.217  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Am-241       | 0.0074     | 0.0144 | 0.0048 | 0.0454 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Bi-212       | 0.611 J    | 0.148  | 0.0744 | 2.15   | 0.00 - 0.50             |
| 8S-00024        | 40326     | Bi-214       | 0.642      | 0.0319 | 0.0349 | 1.59   | 0.00 - 0.50             |



**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity   | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|------------|--------|--------|--------|-------------------------|
| 8S-00024        | 40326     | Cd-113m      | -28.1 U    | 117    | 35.3   | 3030   | 0.00 - 0.50             |
| 8S-00024        | 40326     | Cm-243/244   | 0.0019 U   | 0.0206 | 0.0049 | 0.0443 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Co-60        | 0.0005 U   | 0.0201 | 0.0058 | 0.028  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Cs-134       | 0.0026 U   | 0.0164 | 0.0054 | 0.0864 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Cs-137       | 0.0926     | 0.0175 | 0.0089 | 0.207  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Eu-152       | 0.0029 U   | 0.0435 | 0.0147 | 0.0566 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Eu-154       | -0.0391 UJ | 0.102  | 0.0328 | 0.15   | 0.00 - 0.50             |
| 8S-00024        | 40326     | Eu-155       | 0.0519 SJ  | 0.0576 | 0.0211 | 0.231  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Ho-166m      | -0.0082 U  | 0.0281 | 0.0086 | 0.0432 | 0.00 - 0.50             |
| 8S-00024        | 40326     | K-40         | 14.1       | 0.152  | 0.818  | 32.4   | 0.00 - 0.50             |
| 8S-00024        | 40326     | Na-22        | -0.0079 U  | 0.0217 | 0.0068 | 0.037  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Nb-94        | 0.0016 U   | 0.016  | 0.0047 | 0.0214 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Np-236       | -0.0096 U  | 0.0296 | 0.0094 | 0.047  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Np-239       | -0.0424 UJ | 0.111  | 0.0344 | 0.139  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Pa-231       | -0.0708 U  | 0.718  | 0.231  | 0.936  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Pb-212       | 1.12       | 0.0312 | 0.0662 | 2.69   | 0.00 - 0.50             |
| 8S-00024        | 40326     | Pb-214       | 0.708      | 0.0308 | 0.0357 | 1.7    | 0.00 - 0.50             |
| 8S-00024        | 40326     | Pu-238       | 0.0049     | 0.0067 | 0.0035 | 0.0415 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Pu-239/240   | 0.0105     | 0.0156 | 0.0058 | 0.0404 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Pu-244       | 0.0025     | 0.0066 | 0.0025 | 0.0313 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Sb-125       | -0.01 U    | 0.046  | 0.0142 | 0.354  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Sn-126       | -0.0109 U  | 0.0172 | 0.0059 | 0.0237 | 0.00 - 0.50             |
| 8S-00024        | 40326     | Sr-90        | -0.0487 U  | 0.134  | 0.0285 | 0.485  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Th-228       | 1.09       | 0.169  | 0.129  | 3.98   | 0.00 - 0.50             |
| 8S-00024        | 40326     | Th-229       | 0.0168 U   | 0.0903 | 0.0237 | 0.145  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Th-230       | 0.711      | 0.11   | 0.0924 | 2.2    | 0.00 - 0.50             |
| 8S-00024        | 40326     | Th-232       | 0.775      | 0.0614 | 0.0942 | 3.1    | 0.00 - 0.50             |
| 8S-00024        | 40326     | Th-234       | 1.03 J     | 0.238  | 0.122  | 3.19   | 0.00 - 0.50             |
| 8S-00024        | 40326     | Tl-208       | 0.363      | 0.0173 | 0.0235 | 0.937  | 0.00 - 0.50             |
| 8S-00024        | 40326     | Tm-171       | -3.88 U    | 10.5   | 3.68   | 72.4   | 0.00 - 0.50             |

**Table A.2**  
**Analytical Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity  | MDC    | TPU    | RTL    | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|-----------|--------|--------|--------|-------------------------|
| 8S-00024        | 40326     | U-233/234    | 0.667     | 0.0298 | 0.0691 | 2.02   | 0.00 - 0.50             |
| 8S-00024        | 40326     | U-235/236    | 0.0699    | 0.0126 | 0.0187 | 0.151  | 0.00 - 0.50             |
| 8S-00024        | 40326     | U-238        | 0.769     | 0.0341 | 0.0768 | 1.8    | 0.00 - 0.50             |
| 8S-00024        | 40327     | Ac-227       | -0.0536 U | 0.209  | 0.0639 | 0.217  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Am-241       | -0.0069 U | 0.0289 | 0.005  | 0.0454 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Bi-212       | 0.613 J   | 0.138  | 0.0704 | 2.15   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Bi-214       | 0.796     | 0.0313 | 0.0408 | 1.59   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Cd-113m      | -24.7 U   | 137    | 41.3   | 3030   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Cm-243/244   | -0.0016 U | 0.029  | 0.0063 | 0.0443 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Co-60        | 0.0062 U  | 0.0206 | 0.006  | 0.028  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Cs-134       | -0.0093 U | 0.0165 | 0.0063 | 0.0864 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Cs-137       | -0.0105 U | 0.018  | 0.0061 | 0.207  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Eu-152       | -0.0112 U | 0.0515 | 0.0171 | 0.0566 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Eu-154       | -0.0258 U | 0.103  | 0.0308 | 0.15   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Eu-155       | 0.0276 U  | 0.0742 | 0.0233 | 0.231  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Ho-166m      | 0.0142 U  | 0.0306 | 0.0093 | 0.0432 | 1.00 - 5.00             |
| 8S-00024        | 40327     | K-40         | 14.6      | 0.146  | 0.92   | 32.4   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Na-22        | -0.0067 U | 0.0234 | 0.0072 | 0.037  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Nb-94        | 0.0011 U  | 0.0167 | 0.0049 | 0.0214 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Np-236       | -0.02 U   | 0.0381 | 0.0128 | 0.047  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Np-239       | -0.02 UJ  | 0.136  | 0.0406 | 0.139  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Pa-231       | -0.0758 U | 0.864  | 0.268  | 0.936  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Pb-212       | 1.13      | 0.0361 | 0.0744 | 2.69   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Pb-214       | 0.887     | 0.0365 | 0.0451 | 1.7    | 1.00 - 5.00             |
| 8S-00024        | 40327     | Pu-238       | 0.0046    | 0.013  | 0.0038 | 0.0415 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Pu-239/240   | -0.005 U  | 0.0279 | 0.006  | 0.0404 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Pu-244       | 0.0046    | 0.013  | 0.0038 | 0.0313 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Sb-125       | -0.0159 U | 0.047  | 0.0151 | 0.354  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Sn-126       | 0.0138 J  | 0.0203 | 0.0066 | 0.0237 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Sr-90        | 0.0797 U  | 0.227  | 0.0673 | 0.485  | 1.00 - 5.00             |

**Table A.2  
Analytical Results Summary  
Subarea 8, Round 1**

| Sample Location | Sample ID | Analyte Name | Activity | MDC    | TPU    | RTL   | Sample Depth (feet bgs) |
|-----------------|-----------|--------------|----------|--------|--------|-------|-------------------------|
| 8S-00024        | 40327     | Th-228       | 1.08     | 0.0632 | 0.106  | 3.98  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Th-229       | 0.0394   | 0.0484 | 0.0187 | 0.145 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Th-230       | 0.799    | 0.0178 | 0.0857 | 2.2   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Th-232       | 0.862    | 0.0607 | 0.0908 | 3.1   | 1.00 - 5.00             |
| 8S-00024        | 40327     | Th-234       | 1.1 J    | 0.311  | 0.156  | 3.19  | 1.00 - 5.00             |
| 8S-00024        | 40327     | Tl-208       | 0.352    | 0.0188 | 0.0216 | 0.937 | 1.00 - 5.00             |
| 8S-00024        | 40327     | Tm-171       | -1.34 U  | 17.2   | 5.78   | 72.4  | 1.00 - 5.00             |
| 8S-00024        | 40327     | U-233/234    | 0.648    | 0.0409 | 0.0752 | 2.02  | 1.00 - 5.00             |
| 8S-00024        | 40327     | U-235/236    | 0.0641   | 0.0174 | 0.0208 | 0.151 | 1.00 - 5.00             |
| 8S-00024        | 40327     | U-238        | 0.705    | 0.0141 | 0.0794 | 1.8   | 1.00 - 5.00             |

**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 levels

TPU - total propagated uncertainty

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.

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 8, Round 1**

| Sample Location | Parent Sample |              |             |        |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|-------------|--------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity    | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00022        | 40044         | Ac-227       | -0.138 U    | 0.226  | 0.0761  | 40257                  | Ac-227       | -0.0957 U  | 0.181   | 0.0588  |
| 8N-00022        | 40044         | Ac-228       | 1.38        | 0.122  | 0.0703  | 40257                  | Ac-228       | 1.3        | 0.103   | 0.0631  |
| 8N-00022        | 40044         | Am-241       | 0.017       | 0.0297 | 0.0096  | 40257                  | Am-241       | 0.00621    | 0.00841 | 0.0044  |
| 8N-00022        | 40044         | Bi-212       | 1.2         | 0.18   | 0.12    | 40257                  | Bi-212       | 1.04 J     | 0.169   | 0.11    |
| 8N-00022        | 40044         | Bi-214       | 0.984       | 0.0359 | 0.0482  | 40257                  | Bi-214       | 0.905      | 0.0313  | 0.0437  |
| 8N-00022        | 40044         | Cd-113m      | -78.4 U     | 151    | 49.4    | 40257                  | Cd-113m      | 21.8 U     | 125     | 41.8    |
| 8N-00022        | 40044         | Cm-243/244   | 0.00291 U   | 0.0261 | 0.00641 | 40257                  | Cm-243/244   | 0.009 UJ   | 0.0287  | 0.00813 |
| 8N-00022        | 40044         | Co-60        | -0.00908 U  | 0.0222 | 0.0071  | 40257                  | Co-60        | 0.00326 U  | 0.0201  | 0.00582 |
| 8N-00022        | 40044         | Cs-134       | -0.00146 UJ | 0.0202 | 0.00688 | 40257                  | Cs-134       | 0.00369 U  | 0.0182  | 0.00607 |
| 8N-00022        | 40044         | Cs-137       | -0.00243 U  | 0.0199 | 0.00688 | 40257                  | Cs-137       | 0.0115     | 0.0178  | 0.00688 |
| 8N-00022        | 40044         | Eu-152       | -0.00074 U  | 0.0575 | 0.0213  | 40257                  | Eu-152       | -0.00103 U | 0.0465  | 0.015   |
| 8N-00022        | 40044         | Eu-154       | 0.00136 U   | 0.122  | 0.0351  | 40257                  | Eu-154       | -0.0631 U  | 0.104   | 0.0345  |
| 8N-00022        | 40044         | Eu-155       | 0.033 U     | 0.0864 | 0.0273  | 40257                  | Eu-155       | 0.0751 JS  | 0.0662  | 0.0251  |
| 8N-00022        | 40044         | Ho-166m      | -0.00127 U  | 0.0314 | 0.00933 | 40257                  | Ho-166m      | -0.0202 UJ | 0.0271  | 0.00961 |
| 8N-00022        | 40044         | K-40         | 19.4        | 0.162  | 1.21    | 40257                  | K-40         | 19.2       | 0.139   | 1.05    |
| 8N-00022        | 40044         | Na-22        | -0.0177 U   | 0.0284 | 0.00975 | 40257                  | Na-22        | -0.00337 U | 0.0247  | 0.00735 |
| 8N-00022        | 40044         | Nb-94        | 0.00603 U   | 0.0182 | 0.00546 | 40257                  | Nb-94        | -0.00088 U | 0.0159  | 0.0047  |
| 8N-00022        | 40044         | Np-236       | 0.00703 U   | 0.0426 | 0.0131  | 40257                  | Np-236       | -0.0174 U  | 0.0343  | 0.0113  |
| 8N-00022        | 40044         | Np-239       | -0.0852 U   | 0.148  | 0.0491  | 40257                  | Np-239       | 0.0252 U   | 0.124   | 0.0366  |
| 8N-00022        | 40044         | Pa-231       | -0.231 U    | 0.93   | 0.286   | 40257                  | Pa-231       | -0.323 U   | 0.752   | 0.256   |
| 8N-00022        | 40044         | Pb-212       | 1.72        | 0.0458 | 0.112   | 40257                  | Pb-212       | 1.64       | 0.0381  | 0.095   |
| 8N-00022        | 40044         | Pb-214       | 1.06        | 0.0389 | 0.0536  | 40257                  | Pb-214       | 1.03       | 0.0334  | 0.0486  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |           |         |         | Field Duplicate Sample |              |             |        |         |
|-----------------|---------------|--------------|-----------|---------|---------|------------------------|--------------|-------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity  | MDC     | TPU     | Sample ID              | Analyte Name | Activity    | MDC    | TPU     |
| 8N-00022        | 40044         | Pu-238       | 0.0028 U  | 0.0139  | 0.00347 | 40257                  | Pu-238       | 0.00943     | 0.014  | 0.0052  |
| 8N-00022        | 40044         | Pu-239/240   | 0.00278 U | 0.0139  | 0.00346 | 40257                  | Pu-239/240   | 0.005       | 0.014  | 0.00412 |
| 8N-00022        | 40044         | Pu-244       | 0.00435   | 0.00589 | 0.00309 | 40257                  | Pu-244       | 0.0138      | 0.014  | 0.00606 |
| 8N-00022        | 40044         | Sb-125       | 0.0136 U  | 0.0593  | 0.0181  | 40257                  | Sb-125       | -0.00343 U  | 0.0498 | 0.0151  |
| 8N-00022        | 40044         | Sn-126       | 0.00358 U | 0.02    | 0.00591 | 40257                  | Sn-126       | 8.54E-05 U  | 0.0178 | 0.00522 |
| 8N-00022        | 40044         | Sr-90        | 0.173     | 0.135   | 0.0521  | 40257                  | Sr-90        | 0.277       | 0.206  | 0.079   |
| 8N-00022        | 40044         | Th-228       | 1.85      | 0.0904  | 0.165   | 40257                  | Th-228       | 1.2         | 0.0828 | 0.139   |
| 8N-00022        | 40044         | Th-229       | 0.0615    | 0.0503  | 0.0229  | 40257                  | Th-229       | -0.00913 UJ | 0.0848 | 0.0158  |
| 8N-00022        | 40044         | Th-230       | 1.04      | 0.0633  | 0.104   | 40257                  | Th-230       | 0.874       | 0.0247 | 0.105   |
| 8N-00022        | 40044         | Th-232       | 1.35      | 0.0501  | 0.123   | 40257                  | Th-232       | 1.19        | 0.0246 | 0.128   |
| 8N-00022        | 40044         | Tl-208       | 0.579     | 0.0235  | 0.0338  | 40257                  | Tl-208       | 0.548       | 0.0209 | 0.0315  |
| 8N-00022        | 40044         | Tm-171       | 1.45 U    | 22.2    | 6.67    | 40257                  | Tm-171       | -7.65 U     | 13.1   | 4.78    |
| 8N-00022        | 40044         | U-233/234    | 0.748     | 0.0314  | 0.0763  | 40257                  | U-233/234    | 0.7         | 0.0507 | 0.0771  |
| 8N-00022        | 40044         | U-235/236    | 0.113     | 0.0133  | 0.0249  | 40257                  | U-235/236    | 0.0393      | 0.0521 | 0.0189  |
| 8N-00022        | 40044         | U-238        | 0.808     | 0.0253  | 0.0808  | 40257                  | U-238        | 0.89        | 0.0296 | 0.0911  |
| 8N-00025        | 40050         | Ac-227       | 0.0159 U  | 0.206   | 0.0616  | 40256                  | Ac-227       | -0.0535 U   | 0.219  | 0.0691  |
| 8N-00025        | 40050         | Ac-228       | 1.39      | 0.112   | 0.0682  | 40256                  | Ac-228       | 1.37        | 0.109  | 0.0676  |
| 8N-00025        | 40050         | Am-241       | 0.00811   | 0.0121  | 0.00447 | 40256                  | Am-241       | 0.00298 U   | 0.0151 | 0.00384 |
| 8N-00025        | 40050         | Bi-212       | 1.08      | 0.192   | 0.0997  | 40256                  | Bi-212       | 1.04 J      | 0.19   | 0.114   |
| 8N-00025        | 40050         | Bi-214       | 0.747     | 0.0332  | 0.0389  | 40256                  | Bi-214       | 0.756       | 0.0329 | 0.0392  |
| 8N-00025        | 40050         | Cd-113m      | 38.6 U    | 142     | 46.3    | 40256                  | Cd-113m      | -131 UJ     | 143    | 57      |
| 8N-00025        | 40050         | Cm-243/244   | 0.00969   | 0.00525 | 0.00436 | 40256                  | Cm-243/244   | 0.0025 U    | 0.0125 | 0.00311 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00025        | 40050         | Co-60        | -0.00168 U | 0.0198  | 0.00578 | 40256                  | Co-60        | -0.00202 U | 0.0203  | 0.00595 |
| 8N-00025        | 40050         | Cs-134       | -0.0101 U  | 0.0194  | 0.00726 | 40256                  | Cs-134       | -0.00038 U | 0.0197  | 0.00658 |
| 8N-00025        | 40050         | Cs-137       | 0.00172 U  | 0.0188  | 0.00632 | 40256                  | Cs-137       | -0.00292 U | 0.0191  | 0.00563 |
| 8N-00025        | 40050         | Eu-152       | -0.0137 U  | 0.0522  | 0.0177  | 40256                  | Eu-152       | -0.0507 UJ | 0.0533  | 0.0236  |
| 8N-00025        | 40050         | Eu-154       | -0.0254 U  | 0.108   | 0.0322  | 40256                  | Eu-154       | 0.0116 U   | 0.108   | 0.0371  |
| 8N-00025        | 40050         | Eu-155       | 0.0573 JS  | 0.081   | 0.0269  | 40256                  | Eu-155       | 0.0478 JS  | 0.088   | 0.0281  |
| 8N-00025        | 40050         | Ho-166m      | 0.00911 U  | 0.0311  | 0.00924 | 40256                  | Ho-166m      | 0.00407 U  | 0.0299  | 0.00869 |
| 8N-00025        | 40050         | K-40         | 16         | 0.129   | 0.908   | 40256                  | K-40         | 15.4       | 0.14    | 0.971   |
| 8N-00025        | 40050         | Na-22        | -0.00754 U | 0.0257  | 0.00786 | 40256                  | Na-22        | -0.0237 UJ | 0.0262  | 0.00994 |
| 8N-00025        | 40050         | Nb-94        | 0.00859 J  | 0.0177  | 0.00543 | 40256                  | Nb-94        | 0.00259 U  | 0.0171  | 0.00498 |
| 8N-00025        | 40050         | Np-236       | -0.00427 U | 0.0393  | 0.0116  | 40256                  | Np-236       | -0.00588 U | 0.0424  | 0.0127  |
| 8N-00025        | 40050         | Np-239       | -0.0443 U  | 0.141   | 0.0439  | 40256                  | Np-239       | 0.0627 U   | 0.148   | 0.047   |
| 8N-00025        | 40050         | Pa-231       | 0.204 U    | 0.871   | 0.285   | 40256                  | Pa-231       | -0.295 U   | 0.884   | 0.286   |
| 8N-00025        | 40050         | Pb-212       | 1.85       | 0.0432  | 0.109   | 40256                  | Pb-212       | 1.73       | 0.0451  | 0.115   |
| 8N-00025        | 40050         | Pb-214       | 0.884      | 0.0368  | 0.0445  | 40256                  | Pb-214       | 0.808      | 0.0385  | 0.0445  |
| 8N-00025        | 40050         | Pu-238       | 0.000553 U | 0.0126  | 0.00244 | 40256                  | Pu-238       | 0.00182 U  | 0.0235  | 0.00589 |
| 8N-00025        | 40050         | Pu-239/240   | 0.00362 U  | 0.0178  | 0.00464 | 40256                  | Pu-239/240   | 0.00242 U  | 0.012   | 0.003   |
| 8N-00025        | 40050         | Pu-244       | 0.0118     | 0.00533 | 0.00485 | 40256                  | Pu-244       | 0.0151 J   | 0.00512 | 0.00539 |
| 8N-00025        | 40050         | Sb-125       | 0.0153 U   | 0.056   | 0.0163  | 40256                  | Sb-125       | 0.00872 U  | 0.0574  | 0.017   |
| 8N-00025        | 40050         | Sn-126       | 0.00478 U  | 0.0196  | 0.00579 | 40256                  | Sn-126       | -0.00757 U | 0.0187  | 0.00586 |
| 8N-00025        | 40050         | Sr-90        | 0.108 U    | 0.191   | 0.0597  | 40256                  | Sr-90        | 0.12 U     | 0.21    | 0.0658  |
| 8N-00025        | 40050         | Th-228       | 1.18       | 0.131   | 0.128   | 40256                  | Th-228       | 1.36       | 0.144   | 0.132   |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |           |        |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|-----------|--------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity  | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00025        | 40050         | Th-229       | 0.028     | 0.0515 | 0.0172  | 40256                  | Th-229       | -5.7E-09 U | 0.0807  | 0.0198  |
| 8N-00025        | 40050         | Th-230       | 0.621     | 0.0514 | 0.0761  | 40256                  | Th-230       | 0.707      | 0.053   | 0.0767  |
| 8N-00025        | 40050         | Th-232       | 1.19      | 0.0749 | 0.116   | 40256                  | Th-232       | 1.11       | 0.0419  | 0.103   |
| 8N-00025        | 40050         | Tl-208       | 0.553     | 0.0229 | 0.0333  | 40256                  | Tl-208       | 0.517      | 0.0235  | 0.03    |
| 8N-00025        | 40050         | Tm-171       | 2.7 U     | 16.5   | 5.75    | 40256                  | Tm-171       | -10.2 U    | 25.4    | 8.82    |
| 8N-00025        | 40050         | U-233/234    | 0.654     | 0.0424 | 0.0732  | 40256                  | U-233/234    | 0.588      | 0.0271  | 0.0655  |
| 8N-00025        | 40050         | U-235/236    | 0.0347    | 0.0157 | 0.0144  | 40256                  | U-235/236    | 0.0474     | 0.0143  | 0.0161  |
| 8N-00025        | 40050         | U-238        | 0.677     | 0.0369 | 0.0748  | 40256                  | U-238        | 0.661      | 0.0271  | 0.0712  |
| 8N-00050        | 40091         | Am-241       | 0.00219 U | 0.0236 | 0.00557 | 40259                  | Am-241       | 0.0101     | 0.0237  | 0.00722 |
| 8N-00050        | 40091         | Cm-243/244   | 0.0102    | 0.0241 | 0.00735 | 40259                  | Cm-243/244   | 0.013      | 0.0242  | 0.00786 |
| 8N-00050        | 40091         | Pu-238       | 0.00118 U | 0.0167 | 0.00369 | 40259                  | Pu-238       | 0.00506    | 0.00685 | 0.00359 |
| 8N-00050        | 40091         | Pu-239/240   | 0.0021    | 0.0057 | 0.00211 | 40259                  | Pu-239/240   | 0.00141 U  | 0.0198  | 0.00439 |
| 8N-00050        | 40091         | Pu-244       | 0.0021    | 0.0057 | 0.00211 | 40259                  | Pu-244       | 0.00503    | 0.00682 | 0.00357 |
| 8N-00050        | 40091         | Sr-90        | 0.0614 U  | 0.244  | 0.0713  | 40259                  | Sr-90        | 0.178      | 0.282   | 0.0899  |
| 8N-00050        | 40091         | Th-228       | 1.52 J    | 0.154  | 0.163   | 40259                  | Th-228       | 1.39 J     | 0.12    | 0.153   |
| 8N-00050        | 40091         | Th-229       | 0.0968    | 0.0238 | 0.0298  | 40259                  | Th-229       | 0.0361     | 0.0664  | 0.0222  |
| 8N-00050        | 40091         | Th-230       | 0.834     | 0.0238 | 0.0998  | 40259                  | Th-230       | 0.756      | 0.108   | 0.098   |
| 8N-00050        | 40091         | Th-232       | 1.22      | 0.0644 | 0.128   | 40259                  | Th-232       | 0.969      | 0.0243  | 0.111   |
| 8N-00050        | 40091         | U-233/234    | 0.692     | 0.0462 | 0.0886  | 40259                  | U-233/234    | 0.584      | 0.0446  | 0.0724  |
| 8N-00050        | 40091         | U-235/236    | 0.0538    | 0.0243 | 0.0223  | 40259                  | U-235/236    | 0.0159     | 0.0445  | 0.0132  |
| 8N-00050        | 40091         | U-238        | 0.916     | 0.0462 | 0.108   | 40259                  | U-238        | 0.758      | 0.0567  | 0.0871  |
| 8N-00130        | 40093         | Ac-227       | 0.0468 U  | 0.171  | 0.053   | 40255                  | Ac-227       | -0.103 U   | 0.168   | 0.0558  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |        |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|--------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00130        | 40093         | Ac-228       | 1.23       | 0.0922 | 0.0591  | 40255                  | Ac-228       | 1.22       | 0.0914  | 0.0576  |
| 8N-00130        | 40093         | Am-241       | -0.00434 U | 0.02   | 0.00348 | 40255                  | Am-241       | -0.00147 U | 0.0145  | 0.00285 |
| 8N-00130        | 40093         | Bi-212       | 1.01       | 0.135  | 0.0859  | 40255                  | Bi-212       | 1.05       | 0.138   | 0.0875  |
| 8N-00130        | 40093         | Bi-214       | 0.91       | 0.0257 | 0.0468  | 40255                  | Bi-214       | 0.947      | 0.0263  | 0.0447  |
| 8N-00130        | 40093         | Cd-113m      | 69.4 J     | 114    | 39.4    | 40255                  | Cd-113m      | -60.1 U    | 112     | 36.3    |
| 8N-00130        | 40093         | Cm-243/244   | 0.00345 U  | 0.0146 | 0.00379 | 40255                  | Cm-243/244   | 0.000999 U | 0.0148  | 0.00292 |
| 8N-00130        | 40093         | Co-60        | 0.00602 U  | 0.0178 | 0.00534 | 40255                  | Co-60        | -0.00306 U | 0.0165  | 0.00484 |
| 8N-00130        | 40093         | Cs-134       | 0.00943 JS | 0.0151 | 0.00536 | 40255                  | Cs-134       | 0.00852 JS | 0.0155  | 0.00555 |
| 8N-00130        | 40093         | Cs-137       | 0.0307     | 0.0149 | 0.00631 | 40255                  | Cs-137       | 0.0354     | 0.0165  | 0.00652 |
| 8N-00130        | 40093         | Eu-152       | -0.0155 U  | 0.0422 | 0.0133  | 40255                  | Eu-152       | -0.0149 U  | 0.0418  | 0.0135  |
| 8N-00130        | 40093         | Eu-154       | -0.0428 U  | 0.0906 | 0.0293  | 40255                  | Eu-154       | -0.0366 U  | 0.0905  | 0.0288  |
| 8N-00130        | 40093         | Eu-155       | 0.0519 JS  | 0.0617 | 0.025   | 40255                  | Eu-155       | 0.0711 JS  | 0.0613  | 0.0285  |
| 8N-00130        | 40093         | Ho-166m      | 0.00602 U  | 0.024  | 0.00728 | 40255                  | Ho-166m      | -0.00227 U | 0.0236  | 0.00689 |
| 8N-00130        | 40093         | K-40         | 19.7       | 0.115  | 1.12    | 40255                  | K-40         | 21.2       | 0.122   | 1.19    |
| 8N-00130        | 40093         | Na-22        | -0.00156 U | 0.0206 | 0.00718 | 40255                  | Na-22        | -0.00299 U | 0.0204  | 0.00621 |
| 8N-00130        | 40093         | Nb-94        | 0.00294 U  | 0.0138 | 0.00416 | 40255                  | Nb-94        | -0.00458 U | 0.0135  | 0.00413 |
| 8N-00130        | 40093         | Np-236       | -0.00936 U | 0.0311 | 0.00943 | 40255                  | Np-236       | -0.0137 U  | 0.0311  | 0.0101  |
| 8N-00130        | 40093         | Np-239       | 0.0638 J   | 0.113  | 0.037   | 40255                  | Np-239       | -0.0167 U  | 0.112   | 0.0329  |
| 8N-00130        | 40093         | Pa-231       | 0.236 U    | 0.696  | 0.218   | 40255                  | Pa-231       | 0.229 U    | 0.699   | 0.225   |
| 8N-00130        | 40093         | Pb-212       | 1.57       | 0.0341 | 0.0939  | 40255                  | Pb-212       | 1.58       | 0.0349  | 0.095   |
| 8N-00130        | 40093         | Pb-214       | 1.04       | 0.0274 | 0.0489  | 40255                  | Pb-214       | 1.02       | 0.0292  | 0.0489  |
| 8N-00130        | 40093         | Pu-238       | 0.00309 U  | 0.0154 | 0.00384 | 40255                  | Pu-238       | 0.00678    | 0.00613 | 0.00393 |



**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00130        | 40093         | Pu-239/240   | 0.00135 U  | 0.019   | 0.00419 | 40255                  | Pu-239/240   | 0.00927    | 0.0226 | 0.00679 |
| 8N-00130        | 40093         | Pu-244       | 0.0103     | 0.0153  | 0.00568 | 40255                  | Pu-244       | 0.00225    | 0.0061 | 0.00225 |
| 8N-00130        | 40093         | Sb-125       | -0.0107 U  | 0.0428  | 0.0129  | 40255                  | Sb-125       | 0.00347 U  | 0.044  | 0.0131  |
| 8N-00130        | 40093         | Sn-126       | -0.00083 U | 0.0152  | 0.00463 | 40255                  | Sn-126       | -0.00677 U | 0.0147 | 0.00467 |
| 8N-00130        | 40093         | Sr-90        | 0.131 U    | 0.23    | 0.0726  | 40255                  | Sr-90        | 0.466      | 0.182  | 0.0914  |
| 8N-00130        | 40093         | Th-228       | 1.72       | 0.104   | 0.16    | 40255                  | Th-228       | 1.34       | 0.106  | 0.136   |
| 8N-00130        | 40093         | Th-229       | 0.0138 U   | 0.0641  | 0.0169  | 40255                  | Th-229       | 0.0492     | 0.0653 | 0.0235  |
| 8N-00130        | 40093         | Th-230       | 0.915      | 0.0186  | 0.0958  | 40255                  | Th-230       | 1.06       | 0.0516 | 0.107   |
| 8N-00130        | 40093         | Th-232       | 1.3        | 0.0186  | 0.121   | 40255                  | Th-232       | 1.2        | 0.0515 | 0.116   |
| 8N-00130        | 40093         | Tl-208       | 0.497      | 0.018   | 0.0281  | 40255                  | Tl-208       | 0.485      | 0.0181 | 0.028   |
| 8N-00130        | 40093         | Tm-171       | -8.81 U    | 13.5    | 5.21    | 40255                  | Tm-171       | -4.5 U     | 11.4   | 3.99    |
| 8N-00130        | 40093         | U-233/234    | 0.894      | 0.00988 | 0.085   | 40255                  | U-233/234    | 0.85       | 0.0366 | 0.0804  |
| 8N-00130        | 40093         | U-235/236    | 0.0406     | 0.0122  | 0.0138  | 40255                  | U-235/236    | 0.0604     | 0.0327 | 0.0176  |
| 8N-00130        | 40093         | U-238        | 0.831      | 0.033   | 0.0807  | 40255                  | U-238        | 0.714      | 0.0304 | 0.0702  |
| 8N-00054        | 40102         | Ac-227       | -0.0326 U  | 0.158   | 0.0478  | 40269                  | Ac-227       | 0.0339 U   | 0.198  | 0.0608  |
| 8N-00054        | 40102         | Ac-228       | 1.05       | 0.077   | 0.0513  | 40269                  | Ac-228       | 1.14       | 0.0927 | 0.0574  |
| 8N-00054        | 40102         | Am-241       | 0.0122     | 0.0174  | 0.00627 | 40269                  | Am-241       | 0.00849    | 0.0188 | 0.00588 |
| 8N-00054        | 40102         | Bi-212       | 0.858      | 0.125   | 0.0817  | 40269                  | Bi-212       | 0.935      | 0.139  | 0.0929  |
| 8N-00054        | 40102         | Bi-214       | 0.717      | 0.0237  | 0.0349  | 40269                  | Bi-214       | 0.798      | 0.0299 | 0.0386  |
| 8N-00054        | 40102         | Cd-113m      | -24.2 U    | 104     | 32.8    | 40269                  | Cd-113m      | -107 UJ    | 123    | 46.4    |
| 8N-00054        | 40102         | Cm-243/244   | 0.00251 U  | 0.0225  | 0.00553 | 40269                  | Cm-243/244   | -0.00281 U | 0.022  | 0.00388 |
| 8N-00054        | 40102         | Co-60        | -0.00122 U | 0.0148  | 0.00445 | 40269                  | Co-60        | -0.00192 U | 0.0168 | 0.00497 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00054        | 40102         | Cs-134       | -0.00357 U | 0.0136  | 0.00469 | 40269                  | Cs-134       | -0.00107 U | 0.0163  | 0.00564 |
| 8N-00054        | 40102         | Cs-137       | -0.00077 U | 0.0141  | 0.0041  | 40269                  | Cs-137       | 0.00117 U  | 0.0162  | 0.00557 |
| 8N-00054        | 40102         | Eu-152       | -0.0227 U  | 0.0386  | 0.0135  | 40269                  | Eu-152       | -0.00338 U | 0.0465  | 0.0198  |
| 8N-00054        | 40102         | Eu-154       | -0.046 U   | 0.0762  | 0.0259  | 40269                  | Eu-154       | -0.0123 U  | 0.087   | 0.0297  |
| 8N-00054        | 40102         | Eu-155       | 0.0415     | 0.0611  | 0.0212  | 40269                  | Eu-155       | 0.0346 U   | 0.0739  | 0.0233  |
| 8N-00054        | 40102         | Ho-166m      | 0.00771 U  | 0.0221  | 0.00651 | 40269                  | Ho-166m      | 0.00108 U  | 0.0246  | 0.00734 |
| 8N-00054        | 40102         | K-40         | 15.3       | 0.0877  | 0.881   | 40269                  | K-40         | 17.3       | 0.147   | 1.06    |
| 8N-00054        | 40102         | Na-22        | 0.00221 U  | 0.0187  | 0.00553 | 40269                  | Na-22        | -0.00419 U | 0.0206  | 0.00623 |
| 8N-00054        | 40102         | Nb-94        | 0.000263 U | 0.0126  | 0.00364 | 40269                  | Nb-94        | 0.000305 U | 0.0142  | 0.00424 |
| 8N-00054        | 40102         | Ni-59        | -5.94 U    | 4.23    | 2       | 40269                  | Ni-59        | -0.965 UJ  | 4.42    | 1.3     |
| 8N-00054        | 40102         | Ni-63        | -0.278 U   | 1.6     | 0.471   | 40269                  | Ni-63        | -0.251 U   | 1.04    | 0.309   |
| 8N-00054        | 40102         | Np-236       | -0.02 U    | 0.0296  | 0.00997 | 40269                  | Np-236       | 0.000583 U | 0.0371  | 0.0111  |
| 8N-00054        | 40102         | Np-239       | 0.0217 U   | 0.106   | 0.0317  | 40269                  | Np-239       | -0.0281 U  | 0.129   | 0.0401  |
| 8N-00054        | 40102         | Pa-231       | 0.0542 U   | 0.654   | 0.194   | 40269                  | Pa-231       | -0.0405 U  | 0.789   | 0.263   |
| 8N-00054        | 40102         | Pb-212       | 1.33       | 0.031   | 0.0841  | 40269                  | Pb-212       | 1.47       | 0.0389  | 0.091   |
| 8N-00054        | 40102         | Pb-214       | 0.761      | 0.0269  | 0.0396  | 40269                  | Pb-214       | 0.945      | 0.0324  | 0.0467  |
| 8N-00054        | 40102         | Pm-147       | -0.599 U   | 6.13    | 1.77    | 40269                  | Pm-147       | -2.83 U    | 8.1     | 2.33    |
| 8N-00054        | 40102         | Pu-238       | 0.0009 U   | 0.0205  | 0.00397 | 40269                  | Pu-238       | 0.00269    | 0.00729 | 0.00269 |
| 8N-00054        | 40102         | Pu-239/240   | 0.00589 U  | 0.029   | 0.00755 | 40269                  | Pu-239/240   | 0.00075 U  | 0.0171  | 0.00331 |
| 8N-00054        | 40102         | Pu-244       | 0.0256     | 0.00868 | 0.00916 | 40269                  | Pu-244       | 0.00804    | 0.00726 | 0.00466 |
| 8N-00054        | 40102         | Sb-125       | -0.00701 U | 0.0391  | 0.012   | 40269                  | Sb-125       | 0.00679 U  | 0.0478  | 0.014   |
| 8N-00054        | 40102         | Sn-126       | -0.00386 U | 0.0135  | 0.00409 | 40269                  | Sn-126       | -0.00853 U | 0.0155  | 0.00519 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00054        | 40102         | Sr-90        | -0.0704 U  | 0.216   | 0.056   | 40269                  | Sr-90        | 0.126      | 0.142  | 0.0491  |
| 8N-00054        | 40102         | Tc-99        | -0.156 U   | 1.58    | 0.459   | 40269                  | Tc-99        | -0.232 U   | 1.15   | 0.333   |
| 8N-00054        | 40102         | Th-228       | 1.17       | 0.138   | 0.141   | 40269                  | Th-228       | 1.45       | 0.103  | 0.148   |
| 8N-00054        | 40102         | Th-229       | 0 U        | 0.115   | 0.0271  | 40269                  | Th-229       | 0 U        | 0.0743 | 0.016   |
| 8N-00054        | 40102         | Th-230       | 0.545      | 0.0704  | 0.081   | 40269                  | Th-230       | 0.902      | 0.0742 | 0.102   |
| 8N-00054        | 40102         | Th-232       | 0.962      | 0.0258  | 0.113   | 40269                  | Th-232       | 1.19       | 0.0216 | 0.121   |
| 8N-00054        | 40102         | Tl-208       | 0.392      | 0.0163  | 0.023   | 40269                  | Tl-208       | 0.463      | 0.0179 | 0.0268  |
| 8N-00054        | 40102         | Tm-171       | -5.48 U    | 11.5    | 4.26    | 40269                  | Tm-171       | -8.81 U    | 16.5   | 6       |
| 8N-00054        | 40102         | U-233/234    | 0.676      | 0.0411  | 0.0776  | 40269                  | U-233/234    | 0.606      | 0.0775 | 0.0761  |
| 8N-00054        | 40102         | U-235/236    | 0.0515     | 0.0174  | 0.0186  | 40269                  | U-235/236    | 0.049      | 0.019  | 0.0189  |
| 8N-00054        | 40102         | U-238        | 0.747      | 0.0411  | 0.0833  | 40269                  | U-238        | 0.845      | 0.0361 | 0.0934  |
| 8N-00058        | 40109         | Ac-227       | 0.0295 U   | 0.2     | 0.0613  | 40260                  | Ac-227       | -0.0604 U  | 0.137  | 0.0451  |
| 8N-00058        | 40109         | Ac-228       | 1.28       | 0.133   | 0.0631  | 40260                  | Ac-228       | 1.21       | 0.0863 | 0.0557  |
| 8N-00058        | 40109         | Am-241       | 0.00408    | 0.00553 | 0.0029  | 40260                  | Am-241       | 0.00923    | 0.0137 | 0.00509 |
| 8N-00058        | 40109         | Bi-212       | 0.964 J    | 0.2     | 0.128   | 40260                  | Bi-212       | 0.946      | 0.142  | 0.0899  |
| 8N-00058        | 40109         | Bi-214       | 0.976      | 0.0383  | 0.0496  | 40260                  | Bi-214       | 0.978      | 0.0246 | 0.0454  |
| 8N-00058        | 40109         | Cd-113m      | -25.8 U    | 136     | 42.6    | 40260                  | Cd-113m      | 4.41 U     | 95.1   | 29.2    |
| 8N-00058        | 40109         | Cm-243/244   | 0.0125     | 0.00565 | 0.00515 | 40260                  | Cm-243/244   | 0.000264 U | 0.0221 | 0.00496 |
| 8N-00058        | 40109         | Co-60        | 0.00141 U  | 0.0253  | 0.00717 | 40260                  | Co-60        | -0.00252 U | 0.0174 | 0.00516 |
| 8N-00058        | 40109         | Cs-134       | -0.0207 UJ | 0.022   | 0.00953 | 40260                  | Cs-134       | 0.00351 U  | 0.0147 | 0.0051  |
| 8N-00058        | 40109         | Cs-137       | 0.00768 U  | 0.0235  | 0.00811 | 40260                  | Cs-137       | 0.0204     | 0.0151 | 0.00652 |
| 8N-00058        | 40109         | Eu-152       | -0.0197 U  | 0.0517  | 0.016   | 40260                  | Eu-152       | -0.018 U   | 0.036  | 0.0123  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |             |         |         | Field Duplicate Sample |              |             |         |         |
|-----------------|---------------|--------------|-------------|---------|---------|------------------------|--------------|-------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity    | MDC     | TPU     | Sample ID              | Analyte Name | Activity    | MDC     | TPU     |
| 8N-00058        | 40109         | Eu-154       | -0.0242 U   | 0.131   | 0.0395  | 40260                  | Eu-154       | -0.00165 U  | 0.0915  | 0.0273  |
| 8N-00058        | 40109         | Eu-155       | 0.126 JS    | 0.0594  | 0.0271  | 40260                  | Eu-155       | 0.0748 JS   | 0.0425  | 0.0205  |
| 8N-00058        | 40109         | Ho-166m      | 0.00499 U   | 0.0353  | 0.0101  | 40260                  | Ho-166m      | -0.00629 U  | 0.0228  | 0.00687 |
| 8N-00058        | 40109         | K-40         | 19.3        | 0.189   | 1.07    | 40260                  | K-40         | 19.7        | 0.107   | 1.06    |
| 8N-00058        | 40109         | Na-22        | -0.0116 U   | 0.0313  | 0.00962 | 40260                  | Na-22        | 0.00125 U   | 0.0215  | 0.00624 |
| 8N-00058        | 40109         | Nb-94        | -0.00046 U  | 0.0199  | 0.00572 | 40260                  | Nb-94        | 0.00364 U   | 0.0133  | 0.0039  |
| 8N-00058        | 40109         | Ni-59        | -4.08 U     | 6.54    | 2.27    | 40260                  | Ni-59        | 1.16 U      | 5.82    | 1.51    |
| 8N-00058        | 40109         | Ni-63        | -0.463 U    | 1.36    | 0.403   | 40260                  | Ni-63        | -0.187 U    | 1.45    | 0.431   |
| 8N-00058        | 40109         | Np-236       | -0.00318 UJ | 0.0314  | 0.00929 | 40260                  | Np-236       | -0.00118 UJ | 0.0224  | 0.00727 |
| 8N-00058        | 40109         | Np-239       | -0.0698 U   | 0.124   | 0.042   | 40260                  | Np-239       | 0.0204 U    | 0.0902  | 0.0277  |
| 8N-00058        | 40109         | Pa-231       | 0.0459 U    | 0.827   | 0.255   | 40260                  | Pa-231       | -0.0211 U   | 0.572   | 0.177   |
| 8N-00058        | 40109         | Pb-212       | 1.55        | 0.0406  | 0.088   | 40260                  | Pb-212       | 1.52        | 0.0285  | 0.0839  |
| 8N-00058        | 40109         | Pb-214       | 1.08        | 0.0364  | 0.052   | 40260                  | Pb-214       | 1.02        | 0.0255  | 0.0466  |
| 8N-00058        | 40109         | Pm-147       | 0.998 U     | 5.77    | 1.72    | 40260                  | Pm-147       | 0.608 U     | 6.53    | 1.93    |
| 8N-00058        | 40109         | Pu-238       | -0.001 U    | 0.0179  | 0.00325 | 40260                  | Pu-238       | -0.00104 U  | 0.0186  | 0.00336 |
| 8N-00058        | 40109         | Pu-239/240   | 0.0029 U    | 0.0144  | 0.00359 | 40260                  | Pu-239/240   | 0.00769     | 0.0149  | 0.005   |
| 8N-00058        | 40109         | Pu-244       | 0           | 0.00613 | 0.00227 | 40260                  | Pu-244       | 0.00234     | 0.00635 | 0.00235 |
| 8N-00058        | 40109         | Sb-125       | -0.0256 U   | 0.0561  | 0.018   | 40260                  | Sb-125       | 0.00625 U   | 0.0406  | 0.012   |
| 8N-00058        | 40109         | Sn-126       | -0.00041 U  | 0.0221  | 0.00634 | 40260                  | Sn-126       | 0.00359 U   | 0.0149  | 0.00435 |
| 8N-00058        | 40109         | Sr-90        | 0.19        | 0.162   | 0.0605  | 40260                  | Sr-90        | 0.00564 U   | 0.138   | 0.0366  |
| 8N-00058        | 40109         | Tc-99        | -0.365 U    | 1.95    | 0.567   | 40260                  | Tc-99        | -0.787 U    | 1.57    | 0.453   |
| 8N-00058        | 40109         | Th-228       | 1.4         | 0.101   | 0.137   | 40260                  | Th-228       | 1.22        | 0.104   | 0.127   |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |        |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|--------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00058        | 40109         | Th-229       | 0.0204 U   | 0.0816 | 0.0226  | 40260                  | Th-229       | 0.0208     | 0.0511 | 0.0156  |
| 8N-00058        | 40109         | Th-230       | 0.732      | 0.0499 | 0.0825  | 40260                  | Th-230       | 0.754      | 0.0188 | 0.0848  |
| 8N-00058        | 40109         | Th-232       | 1.04       | 0.0497 | 0.103   | 40260                  | Th-232       | 0.918      | 0.0187 | 0.0962  |
| 8N-00058        | 40109         | Tl-208       | 0.493      | 0.0256 | 0.0306  | 40260                  | Tl-208       | 0.518      | 0.0156 | 0.0302  |
| 8N-00058        | 40109         | Tm-171       | 4.23 U     | 8.79   | 2.94    | 40260                  | Tm-171       | 2.85 U     | 6.09   | 2.16    |
| 8N-00058        | 40109         | U-233/234    | 0.749      | 0.0562 | 0.086   | 40260                  | U-233/234    | 0.791      | 0.0382 | 0.0907  |
| 8N-00058        | 40109         | U-235/236    | 0.0346     | 0.0188 | 0.0157  | 40260                  | U-235/236    | 0.0338     | 0.0584 | 0.0198  |
| 8N-00058        | 40109         | U-238        | 0.848      | 0.0357 | 0.0932  | 40260                  | U-238        | 0.875      | 0.0162 | 0.0972  |
| 8N-00065        | 40124         | Ac-227       | 0.0433 U   | 0.255  | 0.0753  | 40262                  | Ac-227       | -0.0929 U  | 0.19   | 0.0622  |
| 8N-00065        | 40124         | Ac-228       | 1.05       | 0.142  | 0.0608  | 40262                  | Ac-228       | 1.19       | 0.107  | 0.0594  |
| 8N-00065        | 40124         | Am-241       | 0.00118 U  | 0.0268 | 0.00519 | 40262                  | Am-241       | 0.00645 U  | 0.0281 | 0.00766 |
| 8N-00065        | 40124         | Bi-212       | 0.994 J    | 0.268  | 0.259   | 40262                  | Bi-212       | 0.903      | 0.161  | 0.0868  |
| 8N-00065        | 40124         | Bi-214       | 0.693      | 0.0358 | 0.0394  | 40262                  | Bi-214       | 0.802      | 0.0311 | 0.0405  |
| 8N-00065        | 40124         | Cd-113m      | -68.6 U    | 174    | 62.9    | 40262                  | Cd-113m      | -19.7 U    | 127    | 40.2    |
| 8N-00065        | 40124         | Cm-243/244   | 0.000516 U | 0.0431 | 0.00969 | 40262                  | Cm-243/244   | 0.000983 U | 0.0268 | 0.00631 |
| 8N-00065        | 40124         | Co-60        | -0.00335 U | 0.0212 | 0.00623 | 40262                  | Co-60        | -0.0075 U  | 0.0192 | 0.00605 |
| 8N-00065        | 40124         | Cs-134       | 0.0518 SJ  | 0.0259 | 0.0146  | 40262                  | Cs-134       | 0.0043 U   | 0.0183 | 0.00615 |
| 8N-00065        | 40124         | Cs-137       | -0.00071 U | 0.0207 | 0.00614 | 40262                  | Cs-137       | -0.00692 U | 0.0177 | 0.00561 |
| 8N-00065        | 40124         | Eu-152       | 0.0226 U   | 0.0619 | 0.0357  | 40262                  | Eu-152       | -0.00099 U | 0.0468 | 0.0163  |
| 8N-00065        | 40124         | Eu-154       | 0.0356 U   | 0.121  | 0.042   | 40262                  | Eu-154       | -0.046 U   | 0.101  | 0.032   |
| 8N-00065        | 40124         | Eu-155       | 0.00334 U  | 0.101  | 0.0305  | 40262                  | Eu-155       | 0.0963 SJ  | 0.0689 | 0.0302  |
| 8N-00065        | 40124         | Ho-166m      | -0.00568 U | 0.0311 | 0.0094  | 40262                  | Ho-166m      | 0.0138 U   | 0.0289 | 0.00887 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |        |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|--------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00065        | 40124         | K-40         | 15.7       | 0.16   | 1.03    | 40262                  | K-40         | 16.2       | 0.133  | 0.916   |
| 8N-00065        | 40124         | Na-22        | -0.0326 LU | 0.0258 | 0.0113  | 40262                  | Na-22        | 0.00719 U  | 0.0255 | 0.00744 |
| 8N-00065        | 40124         | Nb-94        | 0.0107 SK  | 0.0186 | 0.00589 | 40262                  | Nb-94        | -0.00037 U | 0.016  | 0.00474 |
| 8N-00065        | 40124         | Ni-59        | -4.34 UJ   | 3.03   | 1.46    | 40262                  | Ni-59        | -2.19 U    | 3.57   | 1.18    |
| 8N-00065        | 40124         | Ni-63        | 0.356 U    | 1.03   | 0.312   | 40262                  | Ni-63        | 0.0982 U   | 0.885  | 0.265   |
| 8N-00065        | 40124         | Np-236       | 0.00995 U  | 0.0509 | 0.0156  | 40262                  | Np-236       | 0.00517 U  | 0.0359 | 0.0109  |
| 8N-00065        | 40124         | Np-239       | -0.09 U    | 0.171  | 0.0616  | 40262                  | Np-239       | 0.0132 U   | 0.127  | 0.0379  |
| 8N-00065        | 40124         | Pa-231       | -0.469 U   | 1.03   | 0.392   | 40262                  | Pa-231       | 0.266 U    | 0.82   | 0.26    |
| 8N-00065        | 40124         | Pb-212       | 1.75       | 0.0516 | 0.131   | 40262                  | Pb-212       | 1.45       | 0.0383 | 0.0857  |
| 8N-00065        | 40124         | Pb-214       | 0.797      | 0.0427 | 0.0484  | 40262                  | Pb-214       | 0.861      | 0.0342 | 0.0429  |
| 8N-00065        | 40124         | Pm-147       | -0.624 U   | 5.77   | 1.68    | 40262                  | Pm-147       | 1.75 U     | 5.72   | 1.72    |
| 8N-00065        | 40124         | Pu-238       | 0.0142     | 0.0276 | 0.00925 | 40262                  | Pu-238       | -0.0019 U  | 0.034  | 0.00616 |
| 8N-00065        | 40124         | Pu-239/240   | -0.00621 U | 0.034  | 0.00616 | 40262                  | Pu-239/240   | 0.0129     | 0.0116 | 0.00747 |
| 8N-00065        | 40124         | Pu-244       | -0.00311 U | 0.0275 | 0.00532 | 40262                  | Pu-244       | 0.0129     | 0.0116 | 0.00747 |
| 8N-00065        | 40124         | Sb-125       | -0.00685 U | 0.0625 | 0.0186  | 40262                  | Sb-125       | 0.0122 U   | 0.0519 | 0.0151  |
| 8N-00065        | 40124         | Sn-126       | -0.00727 U | 0.0198 | 0.00625 | 40262                  | Sn-126       | 0.000105 U | 0.0177 | 0.00522 |
| 8N-00065        | 40124         | Sr-90        | 0.0899     | 0.134  | 0.0437  | 40262                  | Sr-90        | 0.0248 U   | 0.178  | 0.051   |
| 8N-00065        | 40124         | Tc-99        | -0.259 U   | 1.46   | 0.428   | 40262                  | Tc-99        | -0.259 U   | 1.46   | 0.428   |
| 8N-00065        | 40124         | Th-228       | 1.06       | 0.106  | 0.121   | 40262                  | Th-228       | 1.54       | 0.0949 | 0.149   |
| 8N-00065        | 40124         | Th-229       | -0.0024 U  | 0.1    | 0.0239  | 40262                  | Th-229       | -0.0142 U  | 0.0855 | 0.0174  |
| 8N-00065        | 40124         | Th-230       | 0.945      | 0.0663 | 0.102   | 40262                  | Th-230       | 0.682      | 0.0523 | 0.0809  |
| 8N-00065        | 40124         | Th-232       | 0.841      | 0.0202 | 0.094   | 40262                  | Th-232       | 0.977      | 0.0192 | 0.101   |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00065        | 40124         | Tl-208       | 0.445      | 0.0235  | 0.0291  | 40262                  | Tl-208       | 0.425      | 0.0212  | 0.0267  |
| 8N-00065        | 40124         | Tm-171       | 7.52 U     | 29.8    | 9.84    | 40262                  | Tm-171       | -7.1 U     | 14.8    | 5.5     |
| 8N-00065        | 40124         | U-233/234    | 0.702      | 0.0335  | 0.0797  | 40262                  | U-233/234    | 0.23       | 0.0949  | 0.0513  |
| 8N-00065        | 40124         | U-235/236    | 0.0455     | 0.0176  | 0.0175  | 40262                  | U-235/236    | 0.0587     | 0.0909  | 0.0313  |
| 8N-00065        | 40124         | U-238        | 0.758      | 0.0335  | 0.0842  | 40262                  | U-238        | 0.291      | 0.0735  | 0.0552  |
| 8N-00076        | 40146         | Ac-227       | 0.0135 U   | 0.167   | 0.0511  | 40265                  | Ac-227       | 0.024 U    | 0.169   | 0.0512  |
| 8N-00076        | 40146         | Ac-228       | 1.34       | 0.109   | 0.066   | 40265                  | Ac-228       | 1.28       | 0.0837  | 0.0618  |
| 8N-00076        | 40146         | Am-241       | 0.0128     | 0.00497 | 0.00489 | 40265                  | Am-241       | 0.00824    | 0.00559 | 0.00414 |
| 8N-00076        | 40146         | Bi-212       | 1.27       | 0.258   | 0.319   | 40265                  | Bi-212       | 1.02       | 0.13    | 0.0799  |
| 8N-00076        | 40146         | Bi-214       | 0.979      | 0.0281  | 0.0474  | 40265                  | Bi-214       | 0.955      | 0.0258  | 0.0436  |
| 8N-00076        | 40146         | Cd-113m      | -25.5 U    | 110     | 34.7    | 40265                  | Cd-113m      | -9.57 U    | 113     | 35.7    |
| 8N-00076        | 40146         | Cm-243/244   | 0.00187    | 0.00507 | 0.00187 | 40265                  | Cm-243/244   | 0.00269 U  | 0.0134  | 0.00334 |
| 8N-00076        | 40146         | Co-60        | 0.00995    | 0.0206  | 0.00617 | 40265                  | Co-60        | 0.0102     | 0.0167  | 0.0053  |
| 8N-00076        | 40146         | Cs-134       | -0.00442 U | 0.0164  | 0.00589 | 40265                  | Cs-134       | 0.00557 U  | 0.0152  | 0.00529 |
| 8N-00076        | 40146         | Cs-137       | -0.0161 U  | 0.0182  | 0.00663 | 40265                  | Cs-137       | 0.00668 U  | 0.0146  | 0.00513 |
| 8N-00076        | 40146         | Eu-152       | -0.00043 U | 0.0421  | 0.0139  | 40265                  | Eu-152       | -0.0207 U  | 0.0408  | 0.0155  |
| 8N-00076        | 40146         | Eu-154       | -0.121 U   | 0.0992  | 0.0431  | 40265                  | Eu-154       | -0.0349 U  | 0.0883  | 0.0277  |
| 8N-00076        | 40146         | Eu-155       | 0.0869     | 0.056   | 0.0258  | 40265                  | Eu-155       | 0.0595     | 0.0611  | 0.0239  |
| 8N-00076        | 40146         | Ho-166m      | -0.0173 U  | 0.0251  | 0.00861 | 40265                  | Ho-166m      | -0.00488 U | 0.0215  | 0.00664 |
| 8N-00076        | 40146         | K-40         | 19.6       | 0.127   | 1.06    | 40265                  | K-40         | 20         | 0.108   | 1.19    |
| 8N-00076        | 40146         | Na-22        | -0.00301 U | 0.0249  | 0.00731 | 40265                  | Na-22        | -0.00904 U | 0.0192  | 0.00625 |
| 8N-00076        | 40146         | Nb-94        | -0.00112 U | 0.0148  | 0.00431 | 40265                  | Nb-94        | 0.00336 U  | 0.0132  | 0.004   |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00076        | 40146         | Ni-59        | -4.97 U    | 4.56    | 1.88    | 40265                  | Ni-59        | 0.183 U    | 3.19    | 0.847   |
| 8N-00076        | 40146         | Ni-63        | -0.0502 U  | 1.56    | 0.462   | 40265                  | Ni-63        | -0.374 U   | 1.19    | 0.348   |
| 8N-00076        | 40146         | Np-236       | -0.00058 U | 0.0277  | 0.00805 | 40265                  | Np-236       | -0.00861 U | 0.0316  | 0.00986 |
| 8N-00076        | 40146         | Np-239       | 0.058      | 0.11    | 0.0355  | 40265                  | Np-239       | 0.0264 U   | 0.113   | 0.0344  |
| 8N-00076        | 40146         | Pa-231       | 0.308 U    | 0.684   | 0.219   | 40265                  | Pa-231       | 0.14 U     | 0.683   | 0.209   |
| 8N-00076        | 40146         | Pb-212       | 1.6        | 0.0322  | 0.0893  | 40265                  | Pb-212       | 1.64       | 0.0338  | 0.1     |
| 8N-00076        | 40146         | Pb-214       | 0.974      | 0.0303  | 0.0465  | 40265                  | Pb-214       | 0.968      | 0.0296  | 0.0479  |
| 8N-00076        | 40146         | Pm-147       | 3.72       | 6.54    | 2.03    | 40265                  | Pm-147       | 4.51       | 6.42    | 2.02    |
| 8N-00076        | 40146         | Pu-238       | 0.00439    | 0.00595 | 0.00312 | 40265                  | Pu-238       | -0.00325 U | 0.0178  | 0.00322 |
| 8N-00076        | 40146         | Pu-239/240   | 0.00717    | 0.0139  | 0.00466 | 40265                  | Pu-239/240   | 0.00674    | 0.00609 | 0.00391 |
| 8N-00076        | 40146         | Pu-244       | 0.0056 U   | 0.0173  | 0.00492 | 40265                  | Pu-244       | 0.0109     | 0.0203  | 0.00659 |
| 8N-00076        | 40146         | Sb-125       | 0.0193 U   | 0.0459  | 0.014   | 40265                  | Sb-125       | 0.0206 U   | 0.0423  | 0.0131  |
| 8N-00076        | 40146         | Sn-126       | 0.00937    | 0.0178  | 0.00545 | 40265                  | Sn-126       | -0.00297 U | 0.0143  | 0.00438 |
| 8N-00076        | 40146         | Sr-90        | 0.0245 U   | 0.21    | 0.0589  | 40265                  | Sr-90        | -0.0389 U  | 0.131   | 0.0292  |
| 8N-00076        | 40146         | Tc-99        | -0.878 U   | 1.66    | 0.464   | 40265                  | Tc-99        | -0.831 U   | 1.61    | 0.451   |
| 8N-00076        | 40146         | Th-228       | 1.34       | 0.122   | 0.134   | 40265                  | Th-228       | 0.429      | 0.137   | 0.0757  |
| 8N-00076        | 40146         | Th-229       | 0.0201 U   | 0.0623  | 0.0178  | 40265                  | Th-229       | -0.00752 U | 0.0904  | 0.0199  |
| 8N-00076        | 40146         | Th-230       | 0.857      | 0.0181  | 0.0911  | 40265                  | Th-230       | 0.24       | 0.0203  | 0.0448  |
| 8N-00076        | 40146         | Th-232       | 1.09       | 0.0491  | 0.108   | 40265                  | Th-232       | 0.382      | 0.0203  | 0.0581  |
| 8N-00076        | 40146         | Tl-208       | 0.514      | 0.0193  | 0.0314  | 40265                  | Tl-208       | 0.497      | 0.0167  | 0.0279  |
| 8N-00076        | 40146         | Tm-171       | -2.27 U    | 7.28    | 2.56    | 40265                  | Tm-171       | 1.09 U     | 11.8    | 4.12    |
| 8N-00076        | 40146         | U-233/234    | 1.33       | 0.054   | 0.149   | 40265                  | U-233/234    | 0.239      | 0.0878  | 0.0516  |



**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00076        | 40146         | U-235/236    | 0.0629     | 0.0284  | 0.0261  | 40265                  | U-235/236    | 0.0127 U   | 0.0634 | 0.0158  |
| 8N-00076        | 40146         | U-238        | 1.15       | 0.0669  | 0.134   | 40265                  | U-238        | 0.234      | 0.0218 | 0.047   |
| 8N-00100        | 40185         | Ac-227       | -0.0632 U  | 0.149   | 0.0463  | 40263                  | Ac-227       | -0.0414 U  | 0.228  | 0.0714  |
| 8N-00100        | 40185         | Ac-228       | 1.22       | 0.076   | 0.0594  | 40263                  | Ac-228       | 1.33       | 0.118  | 0.0659  |
| 8N-00100        | 40185         | Am-241       | 0.00388    | 0.00526 | 0.00276 | 40263                  | Am-241       | 0.0335     | 0.0287 | 0.0113  |
| 8N-00100        | 40185         | Am-243       | 0.00932    | 0.0161  | 0.00546 | 40263                  | Am-243       | 0.0129     | 0.0191 | 0.00651 |
| 8N-00100        | 40185         | Bi-212       | 1.04       | 0.117   | 0.0912  | 40263                  | Bi-212       | 0.992      | 0.185  | 0.0976  |
| 8N-00100        | 40185         | Bi-214       | 0.702      | 0.0231  | 0.0345  | 40263                  | Bi-214       | 0.979      | 0.0339 | 0.0481  |
| 8N-00100        | 40185         | C-14         | 0.124 U    | 0.747   | 0.224   | 40263                  | C-14         | 0.0155 U   | 0.79   | 0.236   |
| 8N-00100        | 40185         | Cd-113m      | 33.8 U     | 102     | 30.4    | 40263                  | Cd-113m      | -6.35 U    | 156    | 48.2    |
| 8N-00100        | 40185         | Cm-243/244   | 0.00397    | 0.00537 | 0.00282 | 40263                  | Cm-243/244   | 0.0199     | 0.0204 | 0.00809 |
| 8N-00100        | 40185         | Co-60        | -0.00058 U | 0.0149  | 0.00443 | 40263                  | Co-60        | 0.00517 U  | 0.0225 | 0.00656 |
| 8N-00100        | 40185         | Cs-134       | -0.0059 U  | 0.0132  | 0.00492 | 40263                  | Cs-134       | -0.00807 U | 0.0196 | 0.00703 |
| 8N-00100        | 40185         | Cs-137       | -0.00805 U | 0.0131  | 0.00453 | 40263                  | Cs-137       | -0.00298 U | 0.0198 | 0.00585 |
| 8N-00100        | 40185         | Eu-152       | 0.0176 U   | 0.0374  | 0.0129  | 40263                  | Eu-152       | -0.0519 UJ | 0.0554 | 0.0219  |
| 8N-00100        | 40185         | Eu-154       | -0.0367 U  | 0.0799  | 0.0257  | 40263                  | Eu-154       | 0.0257 U   | 0.118  | 0.0354  |
| 8N-00100        | 40185         | Eu-155       | 0.111 JS   | 0.0577  | 0.0246  | 40263                  | Eu-155       | 0.105 JS   | 0.0907 | 0.035   |
| 8N-00100        | 40185         | H-3          | 0.329 U    | 6.81    | 2.02    | 40263                  | H-3          | -2.93 U    | 6.91   | 1.99    |
| 8N-00100        | 40185         | Ho-166m      | -0.00281 U | 0.0204  | 0.00628 | 40263                  | Ho-166m      | -0.00399 U | 0.0299 | 0.00888 |
| 8N-00100        | 40185         | K-40         | 19.6       | 0.0975  | 1.12    | 40263                  | K-40         | 22.4       | 0.158  | 1.4     |
| 8N-00100        | 40185         | Na-22        | -0.0153 UJ | 0.0171  | 0.00654 | 40263                  | Na-22        | -0.0134 U  | 0.0275 | 0.0103  |
| 8N-00100        | 40185         | Nb-94        | 0.00216 U  | 0.012   | 0.00364 | 40263                  | Nb-94        | 0.00662 U  | 0.0173 | 0.0052  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00100        | 40185         | Ni-63        | 0.188 U    | 1.1     | 0.33    | 40263                  | Ni-63        | 0.317 U    | 1.03    | 0.312   |
| 8N-00100        | 40185         | Np-236       | -0.00369 U | 0.0292  | 0.00889 | 40263                  | Np-236       | -0.0347 UJ | 0.0436  | 0.016   |
| 8N-00100        | 40185         | Np-239       | -0.0315 UJ | 0.0983  | 0.0318  | 40263                  | Np-239       | 0.00611 U  | 0.151   | 0.0463  |
| 8N-00100        | 40185         | Pa-231       | 0.136 U    | 0.627   | 0.184   | 40263                  | Pa-231       | -0.275 U   | 0.926   | 0.297   |
| 8N-00100        | 40185         | Pb-212       | 1.47       | 0.0317  | 0.0877  | 40263                  | Pb-212       | 1.77       | 0.0462  | 0.118   |
| 8N-00100        | 40185         | Pb-214       | 0.742      | 0.0256  | 0.037   | 40263                  | Pb-214       | 1.13       | 0.0389  | 0.0579  |
| 8N-00100        | 40185         | Pu-238       | 0.00283 U  | 0.0141  | 0.00352 | 40263                  | Pu-238       | 0.00232    | 0.00629 | 0.00233 |
| 8N-00100        | 40185         | Pu-239/240   | 0.0022     | 0.00597 | 0.00221 | 40263                  | Pu-239/240   | 0.0139     | 0.00626 | 0.00571 |
| 8N-00100        | 40185         | Pu-244       | 0.00722    | 0.014   | 0.0047  | 40263                  | Pu-244       | 0 J        | 0.00626 | 0.00231 |
| 8N-00100        | 40185         | Sb-125       | 0.00866 U  | 0.0391  | 0.0116  | 40263                  | Sb-125       | 0.0102 UJ  | 0.0585  | 0.0174  |
| 8N-00100        | 40185         | Sn-126       | 0.000643 U | 0.0133  | 0.00402 | 40263                  | Sn-126       | -0.00604 U | 0.019   | 0.00583 |
| 8N-00100        | 40185         | Sr-90        | 1.26       | 0.169   | 0.157   | 40263                  | Sr-90        | -0.00877 U | 0.11    | 0.0275  |
| 8N-00100        | 40185         | Tc-99        | -0.192 U   | 0.988   | 0.288   | 40263                  | Tc-99        | 0.123 U    | 1.5     | 0.44    |
| 8N-00100        | 40185         | Th-228       | 0.874      | 0.125   | 0.106   | 40263                  | Th-228       | 1.33 J     | 0.126   | 0.153   |
| 8N-00100        | 40185         | Th-229       | 0.0143 U   | 0.0662  | 0.0175  | 40263                  | Th-229       | 0.0188 UJ  | 0.0693  | 0.0189  |
| 8N-00100        | 40185         | Th-230       | 0.526      | 0.0193  | 0.0687  | 40263                  | Th-230       | 0.817      | 0.0691  | 0.102   |
| 8N-00100        | 40185         | Th-232       | 0.837      | 0.0522  | 0.0921  | 40263                  | Th-232       | 1.24       | 0.0254  | 0.132   |
| 8N-00100        | 40185         | Tl-208       | 0.444      | 0.0152  | 0.0258  | 40263                  | Tl-208       | 0.507      | 0.0229  | 0.0304  |
| 8N-00100        | 40185         | Tm-171       | -0.713 U   | 11.8    | 3.93    | 40263                  | Tm-171       | -24.4 UJ   | 26.5    | 10.7    |
| 8N-00100        | 40185         | U-233/234    | 0.606      | 0.0469  | 0.0816  | 40263                  | U-233/234    | 0.776      | 0.021   | 0.0978  |
| 8N-00100        | 40185         | U-235/236    | 0.0298     | 0.0579  | 0.0195  | 40263                  | U-235/236    | 0.0287     | 0.0259  | 0.0167  |
| 8N-00100        | 40185         | U-238        | 0.581      | 0.0199  | 0.079   | 40263                  | U-238        | 0.792      | 0.0494  | 0.0996  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |        |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|--------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00107        | 40194         | Ac-227       | -0.0275 U  | 0.203  | 0.0627  | 40266                  | Ac-227       | -0.00486 U | 0.189   | 0.0572  |
| 8N-00107        | 40194         | Ac-228       | 1.22       | 0.099  | 0.0611  | 40266                  | Ac-228       | 1.18       | 0.104   | 0.0584  |
| 8N-00107        | 40194         | Am-241       | 0.0038 U   | 0.0296 | 0.00748 | 40266                  | Am-241       | 0.00838    | 0.00568 | 0.00423 |
| 8N-00107        | 40194         | Am-243       | 0.00652    | 0.0127 | 0.00425 | 40266                  | Am-243       | 0.0137     | 0.00531 | 0.00527 |
| 8N-00107        | 40194         | Bi-212       | 1.02 J     | 0.155  | 0.104   | 40266                  | Bi-212       | 1.07       | 0.159   | 0.0904  |
| 8N-00107        | 40194         | Bi-214       | 0.793      | 0.0309 | 0.0388  | 40266                  | Bi-214       | 1          | 0.0303  | 0.0472  |
| 8N-00107        | 40194         | C-14         | 0.0699 U   | 0.638  | 0.191   | 40266                  | C-14         | -0.347 U   | 0.945   | 0.279   |
| 8N-00107        | 40194         | Cd-113m      | -5.93 U    | 137    | 45.5    | 40266                  | Cd-113m      | -6.02 U    | 129     | 42.4    |
| 8N-00107        | 40194         | Cm-243/244   | -0.00333 U | 0.0397 | 0.00929 | 40266                  | Cm-243/244   | -0.00094 U | 0.0169  | 0.00306 |
| 8N-00107        | 40194         | Co-60        | -0.00431 U | 0.0179 | 0.00544 | 40266                  | Co-60        | -0.00708 U | 0.0189  | 0.006   |
| 8N-00107        | 40194         | Cs-134       | 0.0158 JS  | 0.0192 | 0.00727 | 40266                  | Cs-134       | 0.00705 U  | 0.0191  | 0.00663 |
| 8N-00107        | 40194         | Cs-137       | 0.0969     | 0.0159 | 0.00957 | 40266                  | Cs-137       | 0.111      | 0.0148  | 0.0105  |
| 8N-00107        | 40194         | Eu-152       | -0.00959 U | 0.0484 | 0.0209  | 40266                  | Eu-152       | -0.0435 UJ | 0.0466  | 0.0181  |
| 8N-00107        | 40194         | Eu-154       | 0.0139 U   | 0.0975 | 0.0326  | 40266                  | Eu-154       | -0.083 UJ  | 0.0981  | 0.0361  |
| 8N-00107        | 40194         | Eu-155       | 0.0382 U   | 0.0788 | 0.0257  | 40266                  | Eu-155       | 0.0731 JS  | 0.0672  | 0.0237  |
| 8N-00107        | 40194         | H-3          | 0.0461 U   | 6.36   | 1.78    | 40266                  | H-3          | -0.447 U   | 6.35    | 1.76    |
| 8N-00107        | 40194         | Ho-166m      | 0.00594 U  | 0.0259 | 0.00778 | 40266                  | Ho-166m      | -0.0149 U  | 0.0244  | 0.00836 |
| 8N-00107        | 40194         | K-40         | 21.6       | 0.149  | 1.32    | 40266                  | K-40         | 21.7       | 0.122   | 1.3     |
| 8N-00107        | 40194         | Na-22        | -0.0139 U  | 0.0217 | 0.00743 | 40266                  | Na-22        | -0.00636 U | 0.0245  | 0.00755 |
| 8N-00107        | 40194         | Nb-94        | 0.00614 U  | 0.0156 | 0.0048  | 40266                  | Nb-94        | 0.00319 U  | 0.0148  | 0.00443 |
| 8N-00107        | 40194         | Ni-59        | 0.232 U    | 3.77   | 1.03    | 40266                  | Ni-59        | -2.79 U    | 5.26    | 1.69    |
| 8N-00107        | 40194         | Ni-63        | 0.438 U    | 1.33   | 0.403   | 40266                  | Ni-63        | -0.571 U   | 1.22    | 0.354   |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00107        | 40194         | Np-236       | 0.0051 U   | 0.0387  | 0.0116  | 40266                  | Np-236       | -0.0128 U  | 0.0334  | 0.0104  |
| 8N-00107        | 40194         | Np-239       | -0.041 U   | 0.134   | 0.0423  | 40266                  | Np-239       | 0.0708 J   | 0.128   | 0.0416  |
| 8N-00107        | 40194         | Pa-231       | 0.279 U    | 0.85    | 0.275   | 40266                  | Pa-231       | -0.178 U   | 0.768   | 0.239   |
| 8N-00107        | 40194         | Pb-212       | 1.57       | 0.0425  | 0.097   | 40266                  | Pb-212       | 1.56       | 0.0397  | 0.0959  |
| 8N-00107        | 40194         | Pb-214       | 0.966      | 0.0334  | 0.0474  | 40266                  | Pb-214       | 1.11       | 0.0323  | 0.054   |
| 8N-00107        | 40194         | Pu-238       | 0.000545 U | 0.0124  | 0.0024  | 40266                  | Pu-238       | -0.00297 U | 0.0163  | 0.00295 |
| 8N-00107        | 40194         | Pu-239/240   | 0.0122     | 0.0123  | 0.00535 | 40266                  | Pu-239/240   | 0.00411    | 0.00556 | 0.00291 |
| 8N-00107        | 40194         | Pu-244       | 0.00387    | 0.00525 | 0.00275 | 40266                  | Pu-244       | 0.00411    | 0.00556 | 0.00291 |
| 8N-00107        | 40194         | Sb-125       | -0.00992 U | 0.0504  | 0.0151  | 40266                  | Sb-125       | 0.0233 U   | 0.0509  | 0.0156  |
| 8N-00107        | 40194         | Sn-126       | 0.00196 U  | 0.0166  | 0.00495 | 40266                  | Sn-126       | 0.00374 U  | 0.0163  | 0.00489 |
| 8N-00107        | 40194         | Sr-90        | 0.0352 U   | 0.219   | 0.0632  | 40266                  | Sr-90        | 0.0548 U   | 0.207   | 0.0607  |
| 8N-00107        | 40194         | Tc-99        | -0.385 U   | 1.22    | 0.359   | 40266                  | Tc-99        | -0.029 U   | 1.75    | 0.515   |
| 8N-00107        | 40194         | Th-228       | 1.28       | 0.106   | 0.148   | 40266                  | Th-228       | 1.35       | 0.158   | 0.142   |
| 8N-00107        | 40194         | Th-229       | 0.0517     | 0.0733  | 0.0265  | 40266                  | Th-229       | 0.0434     | 0.0532  | 0.0206  |
| 8N-00107        | 40194         | Th-230       | 0.886      | 0.0731  | 0.107   | 40266                  | Th-230       | 0.902      | 0.0531  | 0.0973  |
| 8N-00107        | 40194         | Th-232       | 0.989      | 0.025   | 0.114   | 40266                  | Th-232       | 1.01       | 0.053   | 0.105   |
| 8N-00107        | 40194         | Tl-208       | 0.45       | 0.0198  | 0.0265  | 40266                  | Tl-208       | 0.476      | 0.0192  | 0.0274  |
| 8N-00107        | 40194         | Tm-171       | -2.73 U    | 18.5    | 6.26    | 40266                  | Tm-171       | -0.877 U   | 13.6    | 4.78    |
| 8N-00107        | 40194         | U-233/234    | 0.782      | 0.0223  | 0.076   | 40266                  | U-233/234    | 0.811      | 0.0389  | 0.0929  |
| 8N-00107        | 40194         | U-235/236    | 0.0346     | 0.0117  | 0.0125  | 40266                  | U-235/236    | 0.0452     | 0.0204  | 0.0188  |
| 8N-00107        | 40194         | U-238        | 0.732      | 0.00949 | 0.0722  | 40266                  | U-238        | 0.869      | 0.0481  | 0.0978  |
| 8N-00109        | 40196         | Ac-227       | 0.0606 U   | 0.24    | 0.0714  | 40267                  | Ac-227       | -0.07 U    | 0.204   | 0.0637  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |        |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|--------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00109        | 40196         | Ac-228       | 1.39       | 0.144  | 0.0714  | 40267                  | Ac-228       | 1.41       | 0.107  | 0.0682  |
| 8N-00109        | 40196         | Am-241       | 0.00247 U  | 0.0222 | 0.00545 | 40267                  | Am-241       | -0.00034 U | 0.0191 | 0.00399 |
| 8N-00109        | 40196         | Am-243       | -0.00138 U | 0.0251 | 0.00545 | 40267                  | Am-243       | 0.0153     | 0.0159 | 0.00648 |
| 8N-00109        | 40196         | Bi-212       | 1.17       | 0.235  | 0.131   | 40267                  | Bi-212       | 1.21       | 0.165  | 0.111   |
| 8N-00109        | 40196         | Bi-214       | 0.869      | 0.0405 | 0.0466  | 40267                  | Bi-214       | 0.893      | 0.0315 | 0.0479  |
| 8N-00109        | 40196         | C-14         | -0.0602 U  | 0.773  | 0.23    | 40267                  | C-14         | -0.19 U    | 0.756  | 0.223   |
| 8N-00109        | 40196         | Cd-113m      | -26.7 U    | 162    | 48.3    | 40267                  | Cd-113m      | -79.8 U    | 138    | 45.9    |
| 8N-00109        | 40196         | Cm-243/244   | -0.00072 U | 0.0263 | 0.00601 | 40267                  | Cm-243/244   | 0.00276 U  | 0.0137 | 0.00343 |
| 8N-00109        | 40196         | Co-60        | 0.00904 U  | 0.0273 | 0.00784 | 40267                  | Co-60        | -0.00756 U | 0.0206 | 0.00635 |
| 8N-00109        | 40196         | Cs-134       | -0.00455 U | 0.0243 | 0.00829 | 40267                  | Cs-134       | -0.00251 U | 0.0192 | 0.00665 |
| 8N-00109        | 40196         | Cs-137       | -0.00711 U | 0.0237 | 0.00723 | 40267                  | Cs-137       | -0.00724 U | 0.0192 | 0.0061  |
| 8N-00109        | 40196         | Eu-152       | -0.0237 U  | 0.0653 | 0.0222  | 40267                  | Eu-152       | -0.0274 U  | 0.0506 | 0.0182  |
| 8N-00109        | 40196         | Eu-154       | -0.0197 U  | 0.148  | 0.0449  | 40267                  | Eu-154       | -0.0713 U  | 0.107  | 0.0367  |
| 8N-00109        | 40196         | Eu-155       | 0.0761     | 0.0814 | 0.0309  | 40267                  | Eu-155       | 0.105      | 0.0807 | 0.0346  |
| 8N-00109        | 40196         | H-3          | -2.04 U    | 6.78   | 1.96    | 40267                  | H-3          | 1.46 U     | 6.81   | 2.04    |
| 8N-00109        | 40196         | Ho-166m      | -0.00315 U | 0.0374 | 0.011   | 40267                  | Ho-166m      | 0.0145     | 0.0285 | 0.00894 |
| 8N-00109        | 40196         | K-40         | 18.3       | 0.2    | 1.06    | 40267                  | K-40         | 21.3       | 0.131  | 1.34    |
| 8N-00109        | 40196         | Na-22        | -0.00927 U | 0.0332 | 0.0101  | 40267                  | Na-22        | -0.0175 U  | 0.0253 | 0.00896 |
| 8N-00109        | 40196         | Nb-94        | 0.00124 U  | 0.0214 | 0.00623 | 40267                  | Nb-94        | 0.00217 U  | 0.016  | 0.00477 |
| 8N-00109        | 40196         | Ni-59        | -2.92 U    | 3.89   | 1.38    | 40267                  | Ni-59        | 0.125 U    | 4.19   | 1.15    |
| 8N-00109        | 40196         | Ni-63        | 0.288 U    | 1.36   | 0.409   | 40267                  | Ni-63        | -0.0684 U  | 1.43   | 0.424   |
| 8N-00109        | 40196         | Np-236       | 0.00583 U  | 0.0422 | 0.0129  | 40267                  | Np-236       | -0.00197 U | 0.0394 | 0.0121  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00109        | 40196         | Np-239       | -0.0516 U  | 0.152   | 0.0466  | 40267                  | Np-239       | 0.0596 U   | 0.14    | 0.0434  |
| 8N-00109        | 40196         | Pa-231       | -0.294 U   | 0.962   | 0.306   | 40267                  | Pa-231       | -0.313 U   | 0.833   | 0.272   |
| 8N-00109        | 40196         | Pb-212       | 1.7        | 0.0484  | 0.101   | 40267                  | Pb-212       | 1.82       | 0.0416  | 0.11    |
| 8N-00109        | 40196         | Pb-214       | 0.949      | 0.0443  | 0.0485  | 40267                  | Pb-214       | 0.996      | 0.0353  | 0.0492  |
| 8N-00109        | 40196         | Pu-238       | 0.00247 U  | 0.0123  | 0.00307 | 40267                  | Pu-238       | 0.0021     | 0.0057  | 0.00211 |
| 8N-00109        | 40196         | Pu-239/240   | 0.00108 U  | 0.0152  | 0.00335 | 40267                  | Pu-239/240   | -0.00452 U | 0.0189  | 0.00335 |
| 8N-00109        | 40196         | Pu-244       | 0.0135     | 0.00521 | 0.00513 | 40267                  | Pu-244       | 0.00327 U  | 0.0165  | 0.00421 |
| 8N-00109        | 40196         | Sb-125       | 0.0317 U   | 0.0679  | 0.0212  | 40267                  | Sb-125       | 0.0113 U   | 0.0538  | 0.0157  |
| 8N-00109        | 40196         | Sn-126       | -0.00394 U | 0.0238  | 0.00708 | 40267                  | Sn-126       | 0.0127     | 0.0191  | 0.00625 |
| 8N-00109        | 40196         | Sr-90        | 0.295      | 0.294   | 0.1     | 40267                  | Sr-90        | 0.0778 U   | 0.146   | 0.0458  |
| 8N-00109        | 40196         | Tc-99        | -0.527 U   | 1.49    | 0.425   | 40267                  | Tc-99        | -0.849 U   | 1.56    | 0.436   |
| 8N-00109        | 40196         | Th-228       | 1.3        | 0.102   | 0.136   | 40267                  | Th-228       | 1.65       | 0.0693  | 0.16    |
| 8N-00109        | 40196         | Th-229       | 0.0334     | 0.065   | 0.0209  | 40267                  | Th-229       | 0.0233     | 0.0572  | 0.0174  |
| 8N-00109        | 40196         | Th-230       | 0.647      | 0.0648  | 0.0804  | 40267                  | Th-230       | 0.628      | 0.021   | 0.0793  |
| 8N-00109        | 40196         | Th-232       | 0.995      | 0.0647  | 0.105   | 40267                  | Th-232       | 1.24       | 0.0569  | 0.123   |
| 8N-00109        | 40196         | Tl-208       | 0.561      | 0.0271  | 0.0352  | 40267                  | Tl-208       | 0.537      | 0.021   | 0.0313  |
| 8N-00109        | 40196         | Tm-171       | -5.03 U    | 16.6    | 5.73    | 40267                  | Tm-171       | -3.46 U    | 19.5    | 5.9     |
| 8N-00109        | 40196         | U-233/234    | 0.742      | 0.0401  | 0.0823  | 40267                  | U-233/234    | 0.623      | 0.0213  | 0.0632  |
| 8N-00109        | 40196         | U-235/236    | 0.0314     | 0.017   | 0.0142  | 40267                  | U-235/236    | 0.0414     | 0.0112  | 0.0134  |
| 8N-00109        | 40196         | U-238        | 0.661      | 0.0138  | 0.0754  | 40267                  | U-238        | 0.626      | 0.00907 | 0.0633  |
| 8N-00140        | 40213         | Ac-227       | 0.0396 U   | 0.179   | 0.0527  | 40261                  | Ac-227       | -0.104 U   | 0.167   | 0.0557  |
| 8N-00140        | 40213         | Ac-228       | 1.3        | 0.0996  | 0.0613  | 40261                  | Ac-228       | 1.23       | 0.0932  | 0.0588  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00140        | 40213         | Am-241       | 0.00738    | 0.0163  | 0.00511 | 40261                  | Am-241       | 0.0071     | 0.0157 | 0.00491 |
| 8N-00140        | 40213         | Bi-212       | 1.08       | 0.148   | 0.0977  | 40261                  | Bi-212       | 1          | 0.142  | 0.0889  |
| 8N-00140        | 40213         | Bi-214       | 0.85 J     | 0.0276  | 0.0408  | 40261                  | Bi-214       | 0.836 J    | 0.0272 | 0.0395  |
| 8N-00140        | 40213         | Cd-113m      | 66.6 J     | 122     | 39.5    | 40261                  | Cd-113m      | -22.8 U    | 113    | 33.6    |
| 8N-00140        | 40213         | Cm-243/244   | 0.00424    | 0.00575 | 0.00301 | 40261                  | Cm-243/244   | 0.000572 U | 0.013  | 0.00252 |
| 8N-00140        | 40213         | Co-60        | -0.0088 U  | 0.0175  | 0.00561 | 40261                  | Co-60        | -0.0081 U  | 0.0162 | 0.00517 |
| 8N-00140        | 40213         | Cs-134       | 0.0114 JS  | 0.0172  | 0.00631 | 40261                  | Cs-134       | 0.01 JS    | 0.0166 | 0.00603 |
| 8N-00140        | 40213         | Cs-137       | 0.0873     | 0.0166  | 0.00875 | 40261                  | Cs-137       | 0.0948     | 0.0161 | 0.0088  |
| 8N-00140        | 40213         | Eu-152       | 0.0197 U   | 0.0447  | 0.0142  | 40261                  | Eu-152       | 0.0242 J   | 0.0433 | 0.0147  |
| 8N-00140        | 40213         | Eu-154       | -0.0572 U  | 0.0972  | 0.0328  | 40261                  | Eu-154       | -0.0441 U  | 0.0905 | 0.0296  |
| 8N-00140        | 40213         | Eu-155       | 0.0954 JS  | 0.0629  | 0.0268  | 40261                  | Eu-155       | 0.11 JS    | 0.0612 | 0.0263  |
| 8N-00140        | 40213         | Ho-166m      | -0.00345 U | 0.0242  | 0.00711 | 40261                  | Ho-166m      | -0.00185 U | 0.0232 | 0.00678 |
| 8N-00140        | 40213         | K-40         | 22.8       | 0.135   | 1.29    | 40261                  | K-40         | 23.3       | 0.117  | 1.31    |
| 8N-00140        | 40213         | Na-22        | -0.0003 U  | 0.0236  | 0.00709 | 40261                  | Na-22        | -0.00025 U | 0.0222 | 0.00668 |
| 8N-00140        | 40213         | Nb-94        | 0.00667 U  | 0.0143  | 0.00433 | 40261                  | Nb-94        | 0.00034 U  | 0.0135 | 0.00391 |
| 8N-00140        | 40213         | Ni-59        | -0.556 U   | 4.66    | 1.29    | 40261                  | Ni-59        | -0.135 U   | 4.44   | 1.24    |
| 8N-00140        | 40213         | Ni-63        | 0.505 U    | 1.12    | 0.344   | 40261                  | Ni-63        | 0.461 U    | 1.23   | 0.374   |
| 8N-00140        | 40213         | Np-236       | 0.00448 U  | 0.0325  | 0.00993 | 40261                  | Np-236       | 0.00745 U  | 0.0315 | 0.00972 |
| 8N-00140        | 40213         | Np-239       | -0.00997 U | 0.116   | 0.0341  | 40261                  | Np-239       | -0.0269 U  | 0.111  | 0.0333  |
| 8N-00140        | 40213         | Pa-231       | -0.0479 U  | 0.713   | 0.21    | 40261                  | Pa-231       | -0.0249 U  | 0.679  | 0.207   |
| 8N-00140        | 40213         | Pb-212       | 1.62       | 0.0415  | 0.0976  | 40261                  | Pb-212       | 1.66       | 0.0364 | 0.0998  |
| 8N-00140        | 40213         | Pb-214       | 0.932      | 0.03    | 0.0463  | 40261                  | Pb-214       | 0.952      | 0.0283 | 0.0458  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00140        | 40213         | Pu-238       | 0.000315 U | 0.0263  | 0.00591 | 40261                  | Pu-238       | 0.00285 U  | 0.0142 | 0.00353 |
| 8N-00140        | 40213         | Pu-239/240   | 0.00292 U  | 0.0262  | 0.00643 | 40261                  | Pu-239/240   | 0.0145     | 0.0175 | 0.00669 |
| 8N-00140        | 40213         | Pu-244       | 0.00783    | 0.00707 | 0.00454 | 40261                  | Pu-244       | 0.00221    | 0.006  | 0.00222 |
| 8N-00140        | 40213         | Sb-125       | 0.00416 U  | 0.0471  | 0.014   | 40261                  | Sb-125       | 0.0115 U   | 0.0476 | 0.0143  |
| 8N-00140        | 40213         | Sn-126       | 0.00719 U  | 0.0159  | 0.00477 | 40261                  | Sn-126       | -0.00218 U | 0.0151 | 0.00444 |
| 8N-00140        | 40213         | Sr-90        | 0.0582 U   | 0.237   | 0.0679  | 40261                  | Sr-90        | -0.0823 U  | 0.256  | 0.0616  |
| 8N-00140        | 40213         | Tc-99        | -0.348 U   | 1.37    | 0.374   | 40261                  | Tc-99        | -0.0447 U  | 1.28   | 0.362   |
| 8N-00140        | 40213         | Th-228       | 1.51       | 0.124   | 0.149   | 40261                  | Th-228       | 1.67 J     | 0.16   | 0.182   |
| 8N-00140        | 40213         | Th-229       | 0.0069 U   | 0.0743  | 0.0183  | 40261                  | Th-229       | 0.00962 UJ | 0.0893 | 0.0215  |
| 8N-00140        | 40213         | Th-230       | 0.937      | 0.0828  | 0.0996  | 40261                  | Th-230       | 0.854      | 0.0706 | 0.106   |
| 8N-00140        | 40213         | Th-232       | 1.08       | 0.0186  | 0.107   | 40261                  | Th-232       | 1.12       | 0.0704 | 0.126   |
| 8N-00140        | 40213         | Tl-208       | 0.492      | 0.0186  | 0.0285  | 40261                  | Tl-208       | 0.482      | 0.0178 | 0.028   |
| 8N-00140        | 40213         | Tm-171       | 1.16 U     | 12.3    | 4.11    | 40261                  | Tm-171       | -7.82 U    | 12     | 4.49    |
| 8N-00140        | 40213         | U-233/234    | 0.721      | 0.0851  | 0.0913  | 40261                  | U-233/234    | 0.854      | 0.0483 | 0.0969  |
| 8N-00140        | 40213         | U-235/236    | 0.00849    | 0.023   | 0.00851 | 40261                  | U-235/236    | 0.053      | 0.0205 | 0.0204  |
| 8N-00140        | 40213         | U-238        | 0.987      | 0.0621  | 0.112   | 40261                  | U-238        | 0.827      | 0.0166 | 0.0943  |
| 8N-00121        | 40238         | Ac-227       | 0.0341 U   | 0.214   | 0.0635  | 40264                  | Ac-227       | 0.0156 U   | 0.187  | 0.0551  |
| 8N-00121        | 40238         | Ac-228       | 1.32       | 0.12    | 0.0653  | 40264                  | Ac-228       | 1.29       | 0.0975 | 0.0614  |
| 8N-00121        | 40238         | Am-241       | -0.00221 U | 0.0173  | 0.00305 | 40264                  | Am-241       | 0.000571 U | 0.013  | 0.00251 |
| 8N-00121        | 40238         | Bi-212       | 1.05       | 0.183   | 0.0955  | 40264                  | Bi-212       | 1.04       | 0.157  | 0.0992  |
| 8N-00121        | 40238         | Bi-214       | 1.03       | 0.0337  | 0.0506  | 40264                  | Bi-214       | 0.991      | 0.0297 | 0.0473  |
| 8N-00121        | 40238         | Cd-113m      | 30.9 U     | 142     | 43.7    | 40264                  | Cd-113m      | -22.3 U    | 122    | 37.8    |



**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8N-00121        | 40238         | Cm-243/244   | 0.00163 U  | 0.0176  | 0.00415 | 40264                  | Cm-243/244   | 0.00416    | 0.00564 | 0.00295 |
| 8N-00121        | 40238         | Co-60        | -0.00377 U | 0.0218  | 0.00654 | 40264                  | Co-60        | 0.00208 U  | 0.0191  | 0.00557 |
| 8N-00121        | 40238         | Cs-134       | -0.0021 U  | 0.0193  | 0.00658 | 40264                  | Cs-134       | 0.00311 U  | 0.0174  | 0.00582 |
| 8N-00121        | 40238         | Cs-137       | 0.0142     | 0.0212  | 0.00764 | 40264                  | Cs-137       | 0.0115     | 0.0181  | 0.00606 |
| 8N-00121        | 40238         | Eu-152       | -0.0227 U  | 0.0529  | 0.017   | 40264                  | Eu-152       | -0.0296 U  | 0.0455  | 0.0161  |
| 8N-00121        | 40238         | Eu-154       | -0.0409 U  | 0.117   | 0.0358  | 40264                  | Eu-154       | -0.0198 U  | 0.1     | 0.0296  |
| 8N-00121        | 40238         | Eu-155       | 0.0857     | 0.083   | 0.0319  | 40264                  | Eu-155       | 0.0452     | 0.068   | 0.0229  |
| 8N-00121        | 40238         | Ho-166m      | -0.0156 U  | 0.0285  | 0.00946 | 40264                  | Ho-166m      | -0.00645 U | 0.0263  | 0.00801 |
| 8N-00121        | 40238         | K-40         | 21.6       | 0.157   | 1.31    | 40264                  | K-40         | 20.8       | 0.127   | 1.13    |
| 8N-00121        | 40238         | Na-22        | -0.0175 U  | 0.0258  | 0.0103  | 40264                  | Na-22        | 0.0143     | 0.025   | 0.0083  |
| 8N-00121        | 40238         | Nb-94        | -0.00089 U | 0.0176  | 0.00521 | 40264                  | Nb-94        | -0.00063 U | 0.0155  | 0.00457 |
| 8N-00121        | 40238         | Ni-59        | -5.1 U     | 3.6     | 1.72    | 40264                  | Ni-59        | 0.575 U    | 5.31    | 1.47    |
| 8N-00121        | 40238         | Ni-63        | -0.128 U   | 1.37    | 0.407   | 40264                  | Ni-63        | 0.0622 U   | 1.54    | 0.459   |
| 8N-00121        | 40238         | Np-236       | -0.00215 U | 0.0397  | 0.0121  | 40264                  | Np-236       | -0.0203 U  | 0.0335  | 0.0114  |
| 8N-00121        | 40238         | Np-239       | -0.0378 U  | 0.137   | 0.0415  | 40264                  | Np-239       | -0.00115 U | 0.118   | 0.0346  |
| 8N-00121        | 40238         | Pa-231       | -0.316 U   | 0.854   | 0.268   | 40264                  | Pa-231       | -0.437 U   | 0.714   | 0.246   |
| 8N-00121        | 40238         | Pb-212       | 1.67       | 0.0407  | 0.112   | 40264                  | Pb-212       | 1.63       | 0.0362  | 0.0942  |
| 8N-00121        | 40238         | Pb-214       | 1.12       | 0.0359  | 0.0591  | 40264                  | Pb-214       | 1.09       | 0.0325  | 0.0512  |
| 8N-00121        | 40238         | Pm-147       | 3.01 U     | 7.27    | 2.21    | 40264                  | Pm-147       | -0.384 U   | 6.65    | 1.93    |
| 8N-00121        | 40238         | Pu-238       | 0.00371 U  | 0.0289  | 0.0073  | 40264                  | Pu-238       | 0.000601 U | 0.0137  | 0.00265 |
| 8N-00121        | 40238         | Pu-239/240   | 0.00485 U  | 0.0239  | 0.00622 | 40264                  | Pu-239/240   | 0.0161     | 0.0168  | 0.00682 |
| 8N-00121        | 40238         | Pu-244       | 0.00527    | 0.00714 | 0.00374 | 40264                  | Pu-244       | 0.00974    | 0.0168  | 0.00569 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |        |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|--------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00121        | 40238         | Sb-125       | -0.0133 U  | 0.0545 | 0.017   | 40264                  | Sb-125       | 0.0156 U   | 0.0486 | 0.0149  |
| 8N-00121        | 40238         | Sn-126       | -0.00876 U | 0.0185 | 0.00599 | 40264                  | Sn-126       | -0.00345 U | 0.0165 | 0.00498 |
| 8N-00121        | 40238         | Sr-90        | 0.204      | 0.218  | 0.0744  | 40264                  | Sr-90        | 0.0497 U   | 0.205  | 0.0596  |
| 8N-00121        | 40238         | Tc-99        | -0.464 U   | 1.53   | 0.437   | 40264                  | Tc-99        | -0.342 U   | 1.62   | 0.467   |
| 8N-00121        | 40238         | Th-228       | 1.3        | 0.0976 | 0.136   | 40264                  | Th-228       | 1.58       | 0.0915 | 0.15    |
| 8N-00121        | 40238         | Th-229       | 0 U        | 0.0804 | 0.0183  | 40264                  | Th-229       | 0.0417     | 0.0512 | 0.0198  |
| 8N-00121        | 40238         | Th-230       | 0.812      | 0.0202 | 0.0918  | 40264                  | Th-230       | 1.05       | 0.0747 | 0.107   |
| 8N-00121        | 40238         | Th-232       | 1.04       | 0.0201 | 0.108   | 40264                  | Th-232       | 1.28       | 0.0187 | 0.12    |
| 8N-00121        | 40238         | Tl-208       | 0.535      | 0.0218 | 0.0316  | 40264                  | Tl-208       | 0.52       | 0.0195 | 0.03    |
| 8N-00121        | 40238         | Tm-171       | 2.31 U     | 19.5   | 5.8     | 40264                  | Tm-171       | 2.01 U     | 12.8   | 4.25    |
| 8N-00121        | 40238         | U-233/234    | 0.818      | 0.0518 | 0.089   | 40264                  | U-233/234    | 1.11       | 0.0159 | 0.115   |
| 8N-00121        | 40238         | U-235/236    | 0.0529     | 0.0407 | 0.0201  | 40264                  | U-235/236    | 0.058      | 0.0197 | 0.021   |
| 8N-00121        | 40238         | U-238        | 0.888      | 0.014  | 0.0938  | 40264                  | U-238        | 1.03       | 0.0374 | 0.11    |
| 8N-00136        | 40252         | Ac-227       | -0.037 U   | 0.162  | 0.0485  | 40258                  | Ac-227       | -0.0553 U  | 0.168  | 0.0537  |
| 8N-00136        | 40252         | Ac-228       | 1.19       | 0.0879 | 0.0556  | 40258                  | Ac-228       | 1.23       | 0.095  | 0.0582  |
| 8N-00136        | 40252         | Am-241       | 0.00463    | 0.013  | 0.00382 | 40258                  | Am-241       | 0.000245 U | 0.0205 | 0.00459 |
| 8N-00136        | 40252         | Bi-212       | 0.919      | 0.132  | 0.0814  | 40258                  | Bi-212       | 0.941      | 0.139  | 0.0843  |
| 8N-00136        | 40252         | Bi-214       | 0.785      | 0.0245 | 0.0376  | 40258                  | Bi-214       | 0.892      | 0.025  | 0.0419  |
| 8N-00136        | 40252         | Cd-113m      | 47.2 U     | 108    | 34.2    | 40258                  | Cd-113m      | 103 J      | 117    | 42.6    |
| 8N-00136        | 40252         | Cm-243/244   | 0.00465 U  | 0.0271 | 0.00725 | 40258                  | Cm-243/244   | 0.0106 U   | 0.031  | 0.00903 |
| 8N-00136        | 40252         | Co-60        | -0.00266 U | 0.0161 | 0.00472 | 40258                  | Co-60        | -0.00043 U | 0.017  | 0.00508 |
| 8N-00136        | 40252         | Cs-134       | 0.00077 U  | 0.0145 | 0.00503 | 40258                  | Cs-134       | 0.00135 U  | 0.015  | 0.00511 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |             |        |         | Field Duplicate Sample |              |             |        |         |
|-----------------|---------------|--------------|-------------|--------|---------|------------------------|--------------|-------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity    | MDC    | TPU     | Sample ID              | Analyte Name | Activity    | MDC    | TPU     |
| 8N-00136        | 40252         | Cs-137       | -0.00016 U  | 0.0146 | 0.00484 | 40258                  | Cs-137       | -0.00299 U  | 0.0144 | 0.00509 |
| 8N-00136        | 40252         | Eu-152       | 0.00878 U   | 0.0391 | 0.0121  | 40258                  | Eu-152       | 0.0148 U    | 0.0425 | 0.0135  |
| 8N-00136        | 40252         | Eu-154       | 0.0127 U    | 0.0896 | 0.0265  | 40258                  | Eu-154       | -0.0394 U   | 0.0933 | 0.0297  |
| 8N-00136        | 40252         | Eu-155       | 0.0458 JS   | 0.0569 | 0.0216  | 40258                  | Eu-155       | 0.0857 JS   | 0.0622 | 0.0284  |
| 8N-00136        | 40252         | Ho-166m      | 0.0139 JS   | 0.0223 | 0.00706 | 40258                  | Ho-166m      | 0.00084 U   | 0.0234 | 0.00708 |
| 8N-00136        | 40252         | K-40         | 23.1        | 0.112  | 1.3     | 40258                  | K-40         | 23.8        | 0.121  | 1.35    |
| 8N-00136        | 40252         | Na-22        | -0.00105 U  | 0.0213 | 0.00643 | 40258                  | Na-22        | 0.00957 U   | 0.0229 | 0.00767 |
| 8N-00136        | 40252         | Nb-94        | 0.0111 J    | 0.013  | 0.00446 | 40258                  | Nb-94        | 0.00774 J   | 0.0138 | 0.00445 |
| 8N-00136        | 40252         | Np-236       | 0.00367 U   | 0.0295 | 0.00901 | 40258                  | Np-236       | -0.00259 U  | 0.0315 | 0.00926 |
| 8N-00136        | 40252         | Np-239       | -0.0365 U   | 0.104  | 0.0319  | 40258                  | Np-239       | 0.0408 U    | 0.112  | 0.0351  |
| 8N-00136        | 40252         | Pa-231       | 0.182 U     | 0.656  | 0.202   | 40258                  | Pa-231       | 0.132 U     | 0.683  | 0.211   |
| 8N-00136        | 40252         | Pb-212       | 1.5         | 0.0324 | 0.09    | 40258                  | Pb-212       | 1.6         | 0.035  | 0.0958  |
| 8N-00136        | 40252         | Pb-214       | 0.835       | 0.0269 | 0.0411  | 40258                  | Pb-214       | 0.981       | 0.0294 | 0.0472  |
| 8N-00136        | 40252         | Pu-238       | -0.00139 U  | 0.0123 | 0.00239 | 40258                  | Pu-238       | 0.00144 U   | 0.0203 | 0.00448 |
| 8N-00136        | 40252         | Pu-239/240   | 0.0027 U    | 0.021  | 0.00531 | 40258                  | Pu-239/240   | -0.00225 U  | 0.0256 | 0.00516 |
| 8N-00136        | 40252         | Pu-244       | -0.00085 UJ | 0.0152 | 0.00275 | 40258                  | Pu-244       | 0.00327 UJ  | 0.0163 | 0.00406 |
| 8N-00136        | 40252         | Sb-125       | 0.00399 UJ  | 0.0401 | 0.012   | 40258                  | Sb-125       | -0.00637 UJ | 0.0432 | 0.0128  |
| 8N-00136        | 40252         | Sn-126       | 0.0028 U    | 0.0136 | 0.00394 | 40258                  | Sn-126       | -0.00246 U  | 0.0151 | 0.00464 |
| 8N-00136        | 40252         | Sr-90        | -0.0213 U   | 0.158  | 0.041   | 40258                  | Sr-90        | -0.0414 U   | 0.199  | 0.0498  |
| 8N-00136        | 40252         | Th-228       | 1.53 J      | 0.0286 | 0.157   | 40258                  | Th-228       | 1.48 J      | 0.14   | 0.158   |
| 8N-00136        | 40252         | Th-229       | 0.034       | 0.079  | 0.0241  | 40258                  | Th-229       | -0.00861 U  | 0.103  | 0.0228  |
| 8N-00136        | 40252         | Th-230       | 0.857       | 0.0788 | 0.101   | 40258                  | Th-230       | 0.979       | 0.0633 | 0.11    |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |        |         | Field Duplicate Sample |              |            |        |         |
|-----------------|---------------|--------------|------------|--------|---------|------------------------|--------------|------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC    | TPU     | Sample ID              | Analyte Name | Activity   | MDC    | TPU     |
| 8N-00136        | 40252         | Th-232       | 1.27       | 0.0229 | 0.129   | 40258                  | Th-232       | 1.08       | 0.0232 | 0.116   |
| 8N-00136        | 40252         | Tl-208       | 0.455      | 0.0158 | 0.0256  | 40258                  | Tl-208       | 0.465      | 0.0185 | 0.0266  |
| 8N-00136        | 40252         | Tm-171       | -5.93 U    | 10.6   | 3.87    | 40258                  | Tm-171       | 1.03 U     | 14     | 4.81    |
| 8N-00136        | 40252         | U-233/234    | 0.733      | 0.0823 | 0.107   | 40258                  | U-233/234    | 0.731      | 0.0866 | 0.103   |
| 8N-00136        | 40252         | U-235/236    | 0.0774     | 0.035  | 0.0322  | 40258                  | U-235/236    | 0.00662 UJ | 0.0933 | 0.0206  |
| 8N-00136        | 40252         | U-238        | 0.687      | 0.0945 | 0.103   | 40258                  | U-238        | 0.646      | 0.0754 | 0.0951  |
| 8S-00001        | 40280         | Ac-227       | -0.0475 U  | 0.151  | 0.0467  | 40328                  | Ac-227       | -0.17 UJ   | 0.225  | 0.0821  |
| 8S-00001        | 40280         | Ac-228       | 1          | 0.0807 | 0.0485  | 40328                  | Ac-228       | 1.14       | 0.118  | 0.0597  |
| 8S-00001        | 40280         | Am-241       | 0.0153     | 0.0184 | 0.00704 | 40328                  | Am-241       | 0.00177 U  | 0.019  | 0.00449 |
| 8S-00001        | 40280         | Bi-212       | 0.7        | 0.115  | 0.0667  | 40328                  | Bi-212       | 0.967 J    | 0.167  | 0.0975  |
| 8S-00001        | 40280         | Bi-214       | 0.683      | 0.0253 | 0.0334  | 40328                  | Bi-214       | 0.805      | 0.0343 | 0.0406  |
| 8S-00001        | 40280         | Cd-113m      | 14.9 U     | 103    | 30.6    | 40328                  | Cd-113m      | -69.6 U    | 151    | 50.2    |
| 8S-00001        | 40280         | Cm-243/244   | 0.00601 U  | 0.0185 | 0.00528 | 40328                  | Cm-243/244   | 0.00271 U  | 0.0135 | 0.00337 |
| 8S-00001        | 40280         | Co-60        | -0.00073 U | 0.0143 | 0.0041  | 40328                  | Co-60        | -0.00109 U | 0.0214 | 0.00622 |
| 8S-00001        | 40280         | Cs-134       | 0.00644 U  | 0.0136 | 0.00477 | 40328                  | Cs-134       | 0.021 SJ   | 0.0208 | 0.00858 |
| 8S-00001        | 40280         | Cs-137       | 0.0731     | 0.0148 | 0.0081  | 40328                  | Cs-137       | 0.0946     | 0.0212 | 0.00971 |
| 8S-00001        | 40280         | Eu-152       | -0.0187 U  | 0.0371 | 0.0139  | 40328                  | Eu-152       | -0.0283 U  | 0.0542 | 0.0201  |
| 8S-00001        | 40280         | Eu-154       | 0.00522 UJ | 0.0833 | 0.0244  | 40328                  | Eu-154       | -0.0608 UJ | 0.115  | 0.0384  |
| 8S-00001        | 40280         | Eu-155       | 0.0534 SJ  | 0.0561 | 0.021   | 40328                  | Eu-155       | 0.0412 U   | 0.0862 | 0.027   |
| 8S-00001        | 40280         | Ho-166m      | 0.0033 U   | 0.0215 | 0.00642 | 40328                  | Ho-166m      | 0.00843 U  | 0.031  | 0.00908 |
| 8S-00001        | 40280         | K-40         | 16.7       | 0.104  | 1.05    | 40328                  | K-40         | 18.5       | 0.17   | 1.16    |
| 8S-00001        | 40280         | Na-22        | 0.00362 U  | 0.0187 | 0.00558 | 40328                  | Na-22        | -0.00299 U | 0.026  | 0.00766 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8S-00001        | 40280         | Nb-94        | 0.00502 U  | 0.0126  | 0.00386 | 40328                  | Nb-94        | 0.00679 U  | 0.0181  | 0.0054  |
| 8S-00001        | 40280         | Np-236       | -0.0285 UJ | 0.0279  | 0.0111  | 40328                  | Np-236       | 0.0208 U   | 0.044   | 0.0147  |
| 8S-00001        | 40280         | Np-239       | -0.0533 UJ | 0.101   | 0.0329  | 40328                  | Np-239       | 0.0165 UJ  | 0.156   | 0.0477  |
| 8S-00001        | 40280         | Pa-231       | -0.107 U   | 0.633   | 0.207   | 40328                  | Pa-231       | -0.381 U   | 0.937   | 0.309   |
| 8S-00001        | 40280         | Pb-212       | 1.21       | 0.0271  | 0.0739  | 40328                  | Pb-212       | 1.35       | 0.0421  | 0.0906  |
| 8S-00001        | 40280         | Pb-214       | 0.79       | 0.0264  | 0.0387  | 40328                  | Pb-214       | 0.905      | 0.0403  | 0.0493  |
| 8S-00001        | 40280         | Pu-238       | -0.00154 U | 0.0279  | 0.00606 | 40328                  | Pu-238       | 0.00675 U  | 0.032   | 0.00848 |
| 8S-00001        | 40280         | Pu-239/240   | 0.000307 U | 0.0256  | 0.00576 | 40328                  | Pu-239/240   | 0.00496 U  | 0.0251  | 0.00639 |
| 8S-00001        | 40280         | Pu-244       | 0.00511    | 0.00693 | 0.00362 | 40328                  | Pu-244       | 0.00636    | 0.00861 | 0.00451 |
| 8S-00001        | 40280         | Sb-125       | 0.00913 U  | 0.0367  | 0.0107  | 40328                  | Sb-125       | 0.0122 U   | 0.0556  | 0.0165  |
| 8S-00001        | 40280         | Sn-126       | -0.00097 U | 0.0137  | 0.00412 | 40328                  | Sn-126       | -0.00335 U | 0.0202  | 0.00599 |
| 8S-00001        | 40280         | Sr-90        | 0.00287 U  | 0.136   | 0.0351  | 40328                  | Sr-90        | -0.0129 U  | 0.247   | 0.0684  |
| 8S-00001        | 40280         | Th-228       | 1.08       | 0.104   | 0.115   | 40328                  | Th-228       | 1.1        | 0.095   | 0.116   |
| 8S-00001        | 40280         | Th-229       | 0.0214     | 0.0525  | 0.016   | 40328                  | Th-229       | 0.0356     | 0.0662  | 0.0215  |
| 8S-00001        | 40280         | Th-230       | 0.732      | 0.0524  | 0.0847  | 40328                  | Th-230       | 0.682      | 0.113   | 0.0852  |
| 8S-00001        | 40280         | Th-232       | 0.929      | 0.0192  | 0.0979  | 40328                  | Th-232       | 0.971      | 0.0522  | 0.101   |
| 8S-00001        | 40280         | Tl-208       | 0.364      | 0.0147  | 0.0211  | 40328                  | Tl-208       | 0.397      | 0.0214  | 0.0245  |
| 8S-00001        | 40280         | Tm-171       | -2.4 U     | 12.5    | 4.22    | 40328                  | Tm-171       | -7.38 U    | 23.1    | 7.89    |
| 8S-00001        | 40280         | U-233/234    | 0.783      | 0.0397  | 0.0773  | 40328                  | U-233/234    | 0.555      | 0.0397  | 0.0722  |
| 8S-00001        | 40280         | U-235/236    | 0.0541     | 0.0122  | 0.0161  | 40328                  | U-235/236    | 0.0176     | 0.0491  | 0.0145  |
| 8S-00001        | 40280         | U-238        | 0.649      | 0.033   | 0.0671  | 40328                  | U-238        | 0.841      | 0.0169  | 0.0957  |
| 8S-00013        | 40305         | Ac-227       | -0.0113 U  | 0.164   | 0.0504  | 40330                  | Ac-227       | -0.02 U    | 0.197   | 0.0588  |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |             |        |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|-------------|--------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity    | MDC    | TPU     |
| 8S-00013        | 40305         | Ac-228       | 1.1        | 0.0864  | 0.0534  | 40330                  | Ac-228       | 1.15        | 0.0943 | 0.0565  |
| 8S-00013        | 40305         | Am-241       | 0          | 0.00832 | 0.00307 | 40330                  | Am-241       | 0.00115 U   | 0.0162 | 0.00358 |
| 8S-00013        | 40305         | Bi-212       | 0.761      | 0.122   | 0.0728  | 40330                  | Bi-212       | 0.825       | 0.136  | 0.0794  |
| 8S-00013        | 40305         | Bi-214       | 0.783      | 0.0259  | 0.0388  | 40330                  | Bi-214       | 0.905       | 0.0291 | 0.0441  |
| 8S-00013        | 40305         | Cd-113m      | 36.9 U     | 112     | 35      | 40330                  | Cd-113m      | -3.77 U     | 129    | 39.9    |
| 8S-00013        | 40305         | Cm-243/244   | -0.0102 UJ | 0.036   | 0.00625 | 40330                  | Cm-243/244   | -0.00091 U  | 0.0162 | 0.00294 |
| 8S-00013        | 40305         | Co-60        | 0.00425 U  | 0.0172  | 0.00508 | 40330                  | Co-60        | -0.00448 U  | 0.018  | 0.00536 |
| 8S-00013        | 40305         | Cs-134       | -0.00023 U | 0.0136  | 0.00465 | 40330                  | Cs-134       | -0.00214 U  | 0.0149 | 0.00516 |
| 8S-00013        | 40305         | Cs-137       | -0.0114 UJ | 0.0156  | 0.0056  | 40330                  | Cs-137       | -0.00323 UJ | 0.0176 | 0.00535 |
| 8S-00013        | 40305         | Eu-152       | -0.0117 U  | 0.0406  | 0.0122  | 40330                  | Eu-152       | -0.0311 U   | 0.0468 | 0.0174  |
| 8S-00013        | 40305         | Eu-154       | -0.0653 UJ | 0.0844  | 0.0304  | 40330                  | Eu-154       | -0.0252 U   | 0.0987 | 0.03    |
| 8S-00013        | 40305         | Eu-155       | 0.0782 JS  | 0.0571  | 0.0236  | 40330                  | Eu-155       | 0.0354 JS   | 0.0704 | 0.0228  |
| 8S-00013        | 40305         | Ho-166m      | -0.00351 U | 0.0237  | 0.00728 | 40330                  | Ho-166m      | 0.00696 U   | 0.0273 | 0.00822 |
| 8S-00013        | 40305         | K-40         | 18.7       | 0.121   | 1.07    | 40330                  | K-40         | 19          | 0.143  | 1.21    |
| 8S-00013        | 40305         | Na-22        | 0.00257 U  | 0.0193  | 0.00572 | 40330                  | Na-22        | 0.00521 U   | 0.0219 | 0.00758 |
| 8S-00013        | 40305         | Nb-94        | 0.0022 U   | 0.0138  | 0.00415 | 40330                  | Nb-94        | 0.00734 U   | 0.0155 | 0.00481 |
| 8S-00013        | 40305         | Np-236       | 0.00331 U  | 0.0314  | 0.0092  | 40330                  | Np-236       | -0.0074 U   | 0.037  | 0.0115  |
| 8S-00013        | 40305         | Np-239       | 0.000429 U | 0.112   | 0.0341  | 40330                  | Np-239       | -0.0809 U   | 0.127  | 0.0428  |
| 8S-00013        | 40305         | Pa-231       | -0.271 U   | 0.676   | 0.221   | 40330                  | Pa-231       | -0.312 U    | 0.808  | 0.256   |
| 8S-00013        | 40305         | Pb-212       | 1.26       | 0.0295  | 0.0756  | 40330                  | Pb-212       | 1.34        | 0.0334 | 0.0816  |
| 8S-00013        | 40305         | Pb-214       | 0.894      | 0.0297  | 0.0439  | 40330                  | Pb-214       | 1.01        | 0.0347 | 0.0492  |
| 8S-00013        | 40305         | Pu-238       | 0.00311 U  | 0.0155  | 0.00386 | 40330                  | Pu-238       | 0.000631 U  | 0.0144 | 0.00278 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8S-00013        | 40305         | Pu-239/240   | 0.0104     | 0.0155  | 0.00573 | 40330                  | Pu-239/240   | 0.00288 U  | 0.0144  | 0.00358 |
| 8S-00013        | 40305         | Pu-244       | 0.00243    | 0.00658 | 0.00243 | 40330                  | Pu-244       | 0          | 0.00611 | 0.00226 |
| 8S-00013        | 40305         | Sb-125       | 0.00206 U  | 0.0391  | 0.0114  | 40330                  | Sb-125       | -0.00941 U | 0.0438  | 0.013   |
| 8S-00013        | 40305         | Sn-126       | -0.0023 U  | 0.0154  | 0.00472 | 40330                  | Sn-126       | -0.00629 U | 0.0167  | 0.00531 |
| 8S-00013        | 40305         | Sr-90        | 0.4        | 0.202   | 0.0906  | 40330                  | Sr-90        | 0.00748 U  | 0.212   | 0.0589  |
| 8S-00013        | 40305         | Th-228       | 1.01       | 0.131   | 0.118   | 40330                  | Th-228       | 0.986      | 0.128   | 0.11    |
| 8S-00013        | 40305         | Th-229       | 0.0418     | 0.0777  | 0.0252  | 40330                  | Th-229       | 0.0147 U   | 0.0963  | 0.0255  |
| 8S-00013        | 40305         | Th-230       | 0.768      | 0.0614  | 0.094   | 40330                  | Th-230       | 0.696      | 0.054   | 0.0834  |
| 8S-00013        | 40305         | Th-232       | 1.14       | 0.0612  | 0.121   | 40330                  | Th-232       | 1.04       | 0.0198  | 0.107   |
| 8S-00013        | 40305         | Tl-208       | 0.387      | 0.0148  | 0.0225  | 40330                  | Tl-208       | 0.386      | 0.017   | 0.0232  |
| 8S-00013        | 40305         | Tm-171       | -3.81 U    | 11.7    | 4.17    | 40330                  | Tm-171       | -3.61 U    | 15.6    | 5.3     |
| 8S-00013        | 40305         | U-233/234    | 0.654      | 0.0375  | 0.0791  | 40330                  | U-233/234    | 0.685      | 0.0503  | 0.0805  |
| 8S-00013        | 40305         | U-235/236    | 0.0364     | 0.0197  | 0.0165  | 40330                  | U-235/236    | 0.0225     | 0.0437  | 0.0147  |
| 8S-00013        | 40305         | U-238        | 0.805      | 0.0465  | 0.0916  | 40330                  | U-238        | 0.645      | 0.0557  | 0.0775  |
| 8S-00017        | 40313         | Ac-227       | -0.0853 U  | 0.176   | 0.0565  | 40329                  | Ac-227       | -0.189 UJ  | 0.248   | 0.0876  |
| 8S-00017        | 40313         | Ac-228       | 1.25       | 0.0977  | 0.0596  | 40329                  | Ac-228       | 1.39       | 0.15    | 0.0719  |
| 8S-00017        | 40313         | Am-241       | 0.0145     | 0.0283  | 0.009   | 40329                  | Am-241       | 0.0127     | 0.0153  | 0.00586 |
| 8S-00017        | 40313         | Bi-212       | 0.969      | 0.136   | 0.084   | 40329                  | Bi-212       | 1.14 J     | 0.199   | 0.126   |
| 8S-00017        | 40313         | Bi-214       | 0.837      | 0.0302  | 0.0416  | 40329                  | Bi-214       | 1.16       | 0.0452  | 0.0594  |
| 8S-00017        | 40313         | Cd-113m      | 5.3 U      | 120     | 38.1    | 40329                  | Cd-113m      | 30.8 U     | 172     | 50.8    |
| 8S-00017        | 40313         | Cm-243/244   | -0.0107 UJ | 0.0371  | 0.00705 | 40329                  | Cm-243/244   | -0.0144 U  | 0.0372  | 0.00813 |
| 8S-00017        | 40313         | Co-60        | 0.00312 U  | 0.0178  | 0.00515 | 40329                  | Co-60        | -0.00536 U | 0.0275  | 0.00819 |

**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |            |         |         | Field Duplicate Sample |              |            |         |         |
|-----------------|---------------|--------------|------------|---------|---------|------------------------|--------------|------------|---------|---------|
|                 | Sample ID     | Analyte Name | Activity   | MDC     | TPU     | Sample ID              | Analyte Name | Activity   | MDC     | TPU     |
| 8S-00017        | 40313         | Cs-134       | 0.00471 U  | 0.016   | 0.00536 | 40329                  | Cs-134       | 0.00817 U  | 0.0235  | 0.00782 |
| 8S-00017        | 40313         | Cs-137       | -0.0119 UJ | 0.0171  | 0.00592 | 40329                  | Cs-137       | -0.0152 UJ | 0.0261  | 0.00869 |
| 8S-00017        | 40313         | Eu-152       | 0.00704 U  | 0.0452  | 0.0146  | 40329                  | Eu-152       | -0.0344 U  | 0.0632  | 0.0237  |
| 8S-00017        | 40313         | Eu-154       | 0.00829 U  | 0.104   | 0.0298  | 40329                  | Eu-154       | -0.0228 U  | 0.153   | 0.0465  |
| 8S-00017        | 40313         | Eu-155       | 0.0708 JS  | 0.0616  | 0.0259  | 40329                  | Eu-155       | 0.0791 JS  | 0.0865  | 0.0318  |
| 8S-00017        | 40313         | Ho-166m      | -0.00733 U | 0.026   | 0.00798 | 40329                  | Ho-166m      | -0.0253 U  | 0.0396  | 0.0135  |
| 8S-00017        | 40313         | K-40         | 20.3       | 0.138   | 1.11    | 40329                  | K-40         | 20.8       | 0.199   | 1.21    |
| 8S-00017        | 40313         | Na-22        | 0.0107 J   | 0.0219  | 0.00667 | 40329                  | Na-22        | -0.0188 U  | 0.0324  | 0.0108  |
| 8S-00017        | 40313         | Nb-94        | -0.00136 U | 0.0157  | 0.00465 | 40329                  | Nb-94        | 0.00286 U  | 0.0249  | 0.00727 |
| 8S-00017        | 40313         | Np-236       | -0.0127 U  | 0.0331  | 0.0106  | 40329                  | Np-236       | 0.00121 U  | 0.0452  | 0.0138  |
| 8S-00017        | 40313         | Np-239       | -0.0393 U  | 0.116   | 0.0357  | 40329                  | Np-239       | -0.0615 U  | 0.166   | 0.0514  |
| 8S-00017        | 40313         | Pa-231       | -0.0277 U  | 0.741   | 0.219   | 40329                  | Pa-231       | 0.484 U    | 1.11    | 0.381   |
| 8S-00017        | 40313         | Pb-212       | 1.36       | 0.0318  | 0.0787  | 40329                  | Pb-212       | 1.56       | 0.0454  | 0.0926  |
| 8S-00017        | 40313         | Pb-214       | 0.914      | 0.0316  | 0.0453  | 40329                  | Pb-214       | 1.16       | 0.0471  | 0.0587  |
| 8S-00017        | 40313         | Pu-238       | 0.00721    | 0.014   | 0.00469 | 40329                  | Pu-238       | 0.00065 U  | 0.0148  | 0.00286 |
| 8S-00017        | 40313         | Pu-239/240   | -0.00097 U | 0.0173  | 0.00314 | 40329                  | Pu-239/240   | -0.00102 U | 0.0183  | 0.00331 |
| 8S-00017        | 40313         | Pu-244       | 0          | 0.00595 | 0.0022  | 40329                  | Pu-244       | 0.00695    | 0.00628 | 0.00403 |
| 8S-00017        | 40313         | Sb-125       | 0.00777 U  | 0.0433  | 0.0131  | 40329                  | Sb-125       | -0.00125 U | 0.0668  | 0.0201  |
| 8S-00017        | 40313         | Sn-126       | 0.0026 U   | 0.0178  | 0.00523 | 40329                  | Sn-126       | -0.00119 U | 0.0273  | 0.00798 |
| 8S-00017        | 40313         | Sr-90        | 0.0117 U   | 0.262   | 0.0728  | 40329                  | Sr-90        | 0.392      | 0.341   | 0.121   |
| 8S-00017        | 40313         | Th-228       | 1.66       | 0.0226  | 0.154   | 40329                  | Th-228       | 1.28       | 0.024   | 0.132   |
| 8S-00017        | 40313         | Th-229       | 0.0234     | 0.0212  | 0.0136  | 40329                  | Th-229       | 0.0415     | 0.0611  | 0.0221  |



**Table A.3**  
**Parent and Field Duplicate Results Summary**  
**Subarea 8, Round 1**

| Sample Location | Parent Sample |              |          |        |        | Field Duplicate Sample |              |          |        |        |
|-----------------|---------------|--------------|----------|--------|--------|------------------------|--------------|----------|--------|--------|
|                 | Sample ID     | Analyte Name | Activity | MDC    | TPU    | Sample ID              | Analyte Name | Activity | MDC    | TPU    |
| 8S-00017        | 40313         | Th-230       | 1.04     | 0.0574 | 0.11   | 40329                  | Th-230       | 0.953    | 0.0225 | 0.106  |
| 8S-00017        | 40313         | Th-232       | 1.14     | 0.0211 | 0.116  | 40329                  | Th-232       | 1.33     | 0.0608 | 0.133  |
| 8S-00017        | 40313         | Tl-208       | 0.426    | 0.0178 | 0.0255 | 40329                  | Tl-208       | 0.492    | 0.0248 | 0.0315 |
| 8S-00017        | 40313         | Tm-171       | 1.92 U   | 11.2   | 3.72   | 40329                  | Tm-171       | -5.84 U  | 15.8   | 5.51   |
| 8S-00017        | 40313         | U-233/234    | 0.817    | 0.0428 | 0.0817 | 40329                  | U-233/234    | 0.824    | 0.028  | 0.0795 |
| 8S-00017        | 40313         | U-235/236    | 0.0583   | 0.0132 | 0.0173 | 40329                  | U-235/236    | 0.0628   | 0.028  | 0.0179 |
| 8S-00017        | 40313         | U-238        | 0.86     | 0.0356 | 0.0847 | 40329                  | U-238        | 0.853    | 0.0322 | 0.0817 |

**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

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.

**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 8, Round 1**

| Sample Type | Sample ID | H-3 <sup>1</sup> |     |      | U-233/U-234 |         |        | U-235/U-236 |         |         | U-238      |         |         |
|-------------|-----------|------------------|-----|------|-------------|---------|--------|-------------|---------|---------|------------|---------|---------|
|             |           | Activity         | MDC | TPU  | Activity    | MDC     | TPU    | Activity    | MDC     | TPU     | Activity   | MDC     | TPU     |
| Rinsate     | R0141     | --               | --  | --   | -0.00249 U  | 0.00429 | 0.0212 | 0.00974 U   | 0.00773 | 0.0262  | -0.00197 U | 0.00521 | 0.0237  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0143     | --               | --  | --   | 0.0152      | 0.0107  | 0.0354 | 0 U         | 0.00515 | 0.0268  | -0.00294 U | 0.00659 | 0.0317  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0145     | --               | --  | --   | -0.0021 U   | 0.00853 | 0.0378 | 0.00389     | 0.0039  | 0.0105  | 0.00315 U  | 0.00546 | 0.0232  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0147     | --               | --  | --   | -0.00225 U  | 0.00454 | 0.0221 | 0.0101      | 0.0072  | 0.0235  | 0.0143     | 0.00687 | 0.019   |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0149     | --               | --  | --   | -0.0007 U   | 0.00713 | 0.0308 | 0 U         | 0.00449 | 0.0233  | -0.00257 U | 0.00679 | 0.0308  |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0151     | --               | --  | --   | 0.00831 U   | 0.00756 | 0.0262 | 0.0161      | 0.00697 | 0.0169  | 0.00371 U  | 0.00526 | 0.02    |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0153     | 239              | 400 | 126  | -0.00324 U  | 0.00489 | 0.0225 | 0.00212 U   | 0.00475 | 0.0197  | 0.00172 U  | 0.0057  | 0.0225  |
| Source      | S0174     | 89.3 U           | 273 | 82.1 | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0155     | 225              | 397 | 124  | 0.00748     | 0.00509 | 0.0164 | 0.00436 U   | 0.00437 | 0.0161  | 0.0106     | 0.00504 | 0.013   |
| Source      | S0174     | 89.3 U           | 273 | 82.1 | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0157     | --               | --  | --   | -0.0041 U   | 0.00611 | 0.0282 | -0.00266 U  | 0.00376 | 0.0196  | 0.015      | 0.0072  | 0.02    |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0185     | --               | --  | --   | 0.0215 U    | 0.0184  | 0.0639 | 0.0393 J    | 0.0178  | 0.0213  | 0.0153 U   | 0.0187  | 0.0694  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0187     | --               | --  | --   | -0.0216 U   | 0.0133  | 0.0767 | 0.0111 U    | 0.0138  | 0.0554  | 0.018 U    | 0.0158  | 0.0555  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0189     | 77 U             | 270 | 80.9 | 0.0118 U    | 0.0194  | 0.073  | 0.0108 U    | 0.0139  | 0.0544  | 0.027 J    | 0.0164  | 0.0505  |
| Source      | S0148     | 103 U            | 353 | 106  | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0191     | --               | --  | --   | -0.00245 U  | 0.0152  | 0.0708 | 0.00873 J   | 0.00875 | 0.0236  | 0 J        | 0.00708 | 0.0191  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |

**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 8, Round 1**

| Sample Type | Sample ID | H-3 <sup>1</sup> |     |      | U-233/U-234 |         |        | U-235/U-236 |         |         | U-238      |         |         |
|-------------|-----------|------------------|-----|------|-------------|---------|--------|-------------|---------|---------|------------|---------|---------|
|             |           | Activity         | MDC | TPU  | Activity    | MDC     | TPU    | Activity    | MDC     | TPU     | Activity   | MDC     | TPU     |
| Rinsate     | R0193     | --               | --  | --   | -0.0099 U   | 0.0125  | 0.0674 | 0.0106 U    | 0.0132  | 0.0529  | 0.0201 J   | 0.0117  | 0.0182  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0195     | -16.1 U          | 335 | 85.7 | -0.0397 U   | 0.0338  | 0.179  | 0.0243 U    | 0.0302  | 0.121   | -0.0356 U  | 0.0347  | 0.179   |
| Source      | S0278     | 42 U             | 270 | 79.8 | 0.0143 U    | 0.0593  | 0.0159 | 0.00227 U   | 0.0516  | 0.01    | 0.0131 J   | 0.0178  | 0.00931 |
| Rinsate     | R0204     | --               | --  | --   | 0.0182 J    | 0.0127  | 0.0411 | -0.00247 U  | 0.00801 | 0.0442  | -0.0098 U  | 0.00726 | 0.0411  |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0206     | --               | --  | --   | -0.0107 U   | 0.0198  | 0.0801 | -0.00831 U  | 0.0111  | 0.0566  | -0.00386 U | 0.015   | 0.0624  |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0210     | --               | --  | --   | 0.0129 U    | 0.0191  | 0.0738 | 0 J         | 0.00912 | 0.0247  | -0.0159 U  | 0.0118  | 0.0666  |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0212     | --               | --  | --   | 0.03 U      | 0.0225  | 0.0752 | 0.00399 U   | 0.0124  | 0.0561  | 0.0288 J   | 0.013   | 0.0156  |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0214     | --               | --  | --   | 0.0169 U    | 0.0283  | 0.11   | 0 J         | 0.0125  | 0.0338  | 0.0101 J   | 0.0101  | 0.0273  |
| Source      | S0174     | --               | --  | --   | 0.00444 U   | 0.103   | 0.0239 | 0 J         | 0.0345  | 0.0128  | 0.00289 U  | 0.0657  | 0.0127  |
| Rinsate     | R0216     | --               | --  | --   | -0.00686 U  | 0.00967 | 0.0534 | 0.0167 J    | 0.0119  | 0.0227  | 0.0019 U   | 0.00835 | 0.0431  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0218     | --               | --  | --   | 0.00532 U   | 0.0178  | 0.0722 | 0.0403 J    | 0.0197  | 0.0487  | 0.00074 U  | 0.0139  | 0.062   |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0220     | --               | --  | --   | 0.0173 U    | 0.0229  | 0.086  | 0 J         | 0.00977 | 0.0264  | 0.0237 J   | 0.0138  | 0.0214  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0222     | --               | --  | --   | -0.00558 U  | 0.0182  | 0.0823 | 0.00244 U   | 0.0108  | 0.0555  | 0.00705 J  | 0.00706 | 0.0191  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0224     | --               | --  | --   | -0.00959 U  | 0.0223  | 0.101  | 0 J         | 0.0101  | 0.0273  | 0.00815 J  | 0.00817 | 0.0221  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0226     | --               | --  | --   | 0.0559 J    | 0.0187  | 0.0419 | 0.0032 U    | 0.00998 | 0.0451  | 0.00592 U  | 0.00735 | 0.0295  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182 | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |

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**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 8, Round 1**

| Sample Type | Sample ID | H-3 <sup>1</sup> |     |      | U-233/U-234 |         |         | U-235/U-236 |         |         | U-238      |         |         |
|-------------|-----------|------------------|-----|------|-------------|---------|---------|-------------|---------|---------|------------|---------|---------|
|             |           | Activity         | MDC | TPU  | Activity    | MDC     | TPU     | Activity    | MDC     | TPU     | Activity   | MDC     | TPU     |
| Rinsate     | R0228     | --               | --  | --   | -0.0143 U   | 0.0161  | 0.084   | 0.0122 U    | 0.0151  | 0.0607  | 0.00987 U  | 0.0123  | 0.0491  |
| Source      | S0232     | --               | --  | --   | -0.0136 U   | 0.0537  | 0.00973 | 0.0192 J    | 0.0537  | 0.0158  | 0.00382 U  | 0.0537  | 0.0119  |
| Rinsate     | R0230     | --               | --  | --   | -0.011 U    | 0.0122  | 0.0691  | 0.0121 U    | 0.015   | 0.0601  | 0.00214 U  | 0.00942 | 0.0486  |
| Source      | S0232     | --               | --  | --   | -0.0136 U   | 0.0537  | 0.00973 | 0.0192 J    | 0.0537  | 0.0158  | 0.00382 U  | 0.0537  | 0.0119  |
| Rinsate     | R0232     | 5.04 U           | 268 | 77.9 | 0.015 J     | 0.0118  | 0.0391  | -0.0109 U   | 0.0108  | 0.0598  | 0.0123 J   | 0.00871 | 0.0166  |
| Source      | S0232     | 7.07 U           | 350 | 101  | -0.0136 U   | 0.0537  | 0.00973 | 0.0192 J    | 0.0537  | 0.0158  | 0.00382 U  | 0.0537  | 0.0119  |
| Rinsate     | R0234     | 59.7 U           | 349 | 103  | 0.00033 U   | 0.0121  | 0.0566  | 0.0155 J    | 0.011   | 0.0209  | -0.00275 U | 0.00893 | 0.0493  |
| Source      | S0148     | 103 U            | 353 | 106  | -0.0109 U   | 0.0848  | 0.0182  | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0236     | -64.9 U          | 346 | 97.6 | -0.0248 U   | 0.0148  | 0.0845  | 0.0312 J    | 0.0182  | 0.0282  | 0.0169 J   | 0.012   | 0.0228  |
| Source      | S0148     | 103 U            | 353 | 106  | -0.0109 U   | 0.0848  | 0.0182  | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0238     | 118 U            | 271 | 82.9 | -0.00619 U  | 0.0103  | 0.0568  | 0.0267 J    | 0.0155  | 0.0241  | 0.0236 J   | 0.0154  | 0.0459  |
| Source      | S0148     | 103 U            | 353 | 106  | -0.0109 U   | 0.0848  | 0.0182  | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0258     | --               | --  | --   | -0.0381 U   | 0.0303  | 0.153   | 0.0145 J    | 0.0145  | 0.0393  | 0.0282 U   | 0.0344  | 0.128   |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182  | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0260     | --               | --  | --   | 0.0132 U    | 0.0246  | 0.0984  | 0           | 0.0122  | 0.0329  | 0          | 0.00983 | 0.0266  |
| Source      | S0148     | --               | --  | --   | -0.0109 U   | 0.0848  | 0.0182  | 0.00845 J   | 0.0229  | 0.00847 | 0.00684 J  | 0.0185  | 0.00685 |
| Rinsate     | R0285     | --               | --  | --   | -0.0163 U   | 0.0169  | 0.0942  | 0.00325 U   | 0.0143  | 0.074   | 0.00939 J  | 0.00941 | 0.0254  |
| Source      | S0278     | --               | --  | --   | 0.0143 U    | 0.0593  | 0.0159  | 0.00227 U   | 0.0516  | 0.01    | 0.0131 J   | 0.0178  | 0.00931 |
| Rinsate     | R0287     | --               | --  | --   | -0.0186 U   | 0.0119  | 0.0671  | 0.00256 U   | 0.0113  | 0.0583  | 0.0296 J   | 0.0149  | 0.0201  |
| Source      | S0278     | --               | --  | --   | 0.0143 U    | 0.0593  | 0.0159  | 0.00227 U   | 0.0516  | 0.01    | 0.0131 J   | 0.0178  | 0.00931 |
| Rinsate     | R0288     | --               | --  | --   | 0.0322 J    | 0.0216  | 0.0698  | 0.0282 J    | 0.0184  | 0.0548  | 0.0348 J   | 0.0157  | 0.0189  |
| Source      | S0278     | --               | --  | --   | 0.0143 U    | 0.0593  | 0.0159  | 0.00227 U   | 0.0516  | 0.01    | 0.0131 J   | 0.0178  | 0.00931 |
| Rinsate     | R0335     | --               | --  | --   | -0.0177 U   | 0.0165  | 0.0834  | 0.00465 U   | 0.0145  | 0.0656  | -0.00296 U | 0.00961 | 0.053   |
| Source      | S0278     | --               | --  | --   | 0.0143 U    | 0.0593  | 0.0159  | 0.00227 U   | 0.0516  | 0.01    | 0.0131 J   | 0.0178  | 0.00931 |
| Rinsate     | R0337     | --               | --  | --   | -0.00731 U  | 0.00926 | 0.0511  | -0.00577 U  | 0.00989 | 0.051   | 0.00648 J  | 0.0065  | 0.0176  |
| Source      | S0278     | --               | --  | --   | 0.0143 U    | 0.0593  | 0.0159  | 0.00227 U   | 0.0516  | 0.01    | 0.0131 J   | 0.0178  | 0.00931 |

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**Table A.4**  
**Rinsate and Source Comparison Summary**  
**Subarea 8, Round 1**

| Sample Type | Sample ID | H-3 <sup>1</sup> |     |     | U-233/U-234 |         |        | U-235/U-236 |         |        | U-238     |         |         |
|-------------|-----------|------------------|-----|-----|-------------|---------|--------|-------------|---------|--------|-----------|---------|---------|
|             |           | Activity         | MDC | TPU | Activity    | MDC     | TPU    | Activity    | MDC     | TPU    | Activity  | MDC     | TPU     |
| Rinsate     | R0339     | --               | --  | --  | -0.00863 U  | 0.00847 | 0.0438 | 0.0255 J    | 0.0148  | 0.023  | 0 J       | 0.00688 | 0.0186  |
| Source      | S0278     | --               | --  | --  | 0.0143 U    | 0.0593  | 0.0159 | 0.00227 U   | 0.0516  | 0.01   | 0.0131 J  | 0.0178  | 0.00931 |
| Rinsate     | R0341     | --               | --  | --  | 0.0117 U    | 0.0162  | 0.0645 | -0.0117 U   | 0.0162  | 0.0915 | 0.00229 U | 0.0101  | 0.0521  |
| Source      | S0278     | --               | --  | --  | 0.0143 U    | 0.0593  | 0.0159 | 0.00227 U   | 0.0516  | 0.01   | 0.0131 J  | 0.0178  | 0.00931 |
| Rinsate     | R0343     | --               | --  | --  | -0.00135 U  | 0.00945 | 0.0495 | 0 J         | 0.00778 | 0.021  | 0.00176 U | 0.00775 | 0.04    |
| Source      | S0278     | --               | --  | --  | 0.0143 U    | 0.0593  | 0.0159 | 0.00227 U   | 0.0516  | 0.01   | 0.0131 J  | 0.0178  | 0.00931 |
| Rinsate     | R0353     | --               | --  | --  | 0.00316 J   | 0.00687 | 0.0186 | 0.00237 U   | 0.0105  | 0.054  | 0.00192 U | 0.00846 | 0.0437  |
| Source      | S0278     | --               | --  | --  | 0.0143 U    | 0.0593  | 0.0159 | 0.00227 U   | 0.0516  | 0.01   | 0.0131 J  | 0.0178  | 0.00931 |
| Rinsate     | R0355     | --               | --  | --  | 0.0171 U    | 0.0165  | 0.0597 | 0.00262 U   | 0.0115  | 0.0596 | 0.00424 U | 0.0132  | 0.0597  |
| Source      | S0278     | --               | --  | --  | 0.0143 U    | 0.0593  | 0.0159 | 0.00227 U   | 0.0516  | 0.01   | 0.0131 J  | 0.0178  | 0.00931 |
| Rinsate     | R0454     | --               | --  | --  | -0.0282 U   | 0.0165  | 0.0952 | 0.0504 J    | 0.0228  | 0.0273 | 0.0163 J  | 0.0116  | 0.0221  |
| Source      | S0278     | --               | --  | --  | 0.0143 U    | 0.0593  | 0.0159 | 0.00227 U   | 0.0516  | 0.01   | 0.0131 J  | 0.0178  | 0.00931 |

**Notes:**

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

<sup>1</sup>H-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

J - The analyte was detected at the reported concentration; the quantitation is an estimate.

U - Not considered detected. The associated number is the reported concentration.