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# CERTIFICATION DESIGN LETTER FOR AREA 2, PHASE III PART ONE

## FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
## FERNALD, OHIO

JUNE 1999

U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

20460-RP-0001
REVISION 0
FINAL

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## LIST OF ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| A1PII | Area 1, Phase II |
| A2PI | Area 2, Phase I |
| A2PIII | Area 2, Phase III |
| ARWWP | Aquifer Restoration and Waste Water Project |
| ASCOC | area-specific constituent of concern |
| ASL | analytical support level |
| BTV | benchmark toxicity value |
| CDL | Certification Design Letter |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| COC | constituent of concern |
| CRDL | Contract Required Detection Limit |
| CU | certification unit |
| DOE | U.S. Department of Energy |
| EPA | U.S. Environmental Protection Agency |
| FEMP | Fernald Environmental Management Project |
| FRL | final remediation level |
| HPGe | high purity germanium detector |
| mg/Kg | milligram per kilogram |
| NaI | sodium iodide |
| OEPA | Ohio Environmental Protection Agency |
| OU5 | Operable Unit 5 |
| pCi/g | picoCuries per gram |
| ppm | parts per million |
| PSP | Project Specific Plan |
| RI/FS | Remedial Investigation/Feasibility Study |
| RSS | Radiation Scanning System |
| RTRAK | Radiation Tracking System |
| ROD | Record of Decision |
| SED | Sitewide Environmental Database |
| SEP | Sitewide Excavation Plan |
| SWU | Southern Waste Unit |
| UCL | Upper Confidence Limit |
| V/FCN | Variance/Field Change Notice |

# EXECUTIVE SUMMARY

This Certification Design Letter (CDL) describes the certification approach for Area 2, Phase III (A2PIII) Part One. The following information is included:

- Definitions of the area boundaries addressed in this CDL
- Presentation of historical data and newly acquired precertification real-time data
- The area-specific constituent of concern (ASCOC) selection process and list of ASCOCs assigned to A2PIII Part One.
- A presentation of the certification unit (CU) boundaries and proposed sampling strategy
- The analytical requirements and the statistical methodology that will be employed
- The proposed certification schedule.

The scope of this CDL is limited to A2PIII Part One, which is an approximately 70-acre plot of land south of the Former Production Area. No production operations took place within the area, although there are several underground pipes and other site infrastructure components within A2PIII Part One. A review of historical analytical data and aerial photographs shows isolated radiological contamination slightly exceeding final remediation levels (FRLs) for thorium-228 and thorium-232, although no remedial action is anticipated. This conclusion is supported by precertification data.

The excavation plan, CDL and Certification Project Specific Plan (PSP) for A2PIII Part Two ("northern peninsula") will be addressed in separate documents.

The certification design presented in this CDL follows the general approach outlined in Section 3.4 of the Sitewide Excavation Plan (SEP) (DOE 1998a). The selection of A2PIII Part One ASCOCs was accomplished using constituent of concern (COC) lists in the Operable Unit 5 (OU5) Record of Decision (ROD) (DOE 1996), process knowledge of the site COCs and release history. A total of 22 Certification Units (CU) were established, including eight CUs specifically for the stockpiles within the A2PIII Part One footprint. Total uranium, thorium-228, thorium-232, radium-226, and radium-228 (the sitewide primary COCs) will be considered ASCOCs in each A2PIII CU. Field sampling is scheduled to begin in late June 1999, and the Certification Report will be issued December 17, 1999.

# 1.0 INTRODUCTION

This CDL describes the certification approach for demonstrating that soil in A2PIII Part One meets the FRLs for all ASCOCs. The format of this CDL follows SEP guidelines.

## 1.1 OBJECTIVES

The primary objectives of this document are to:

- Define the area boundaries addressed in this CDL
- Present maps of historical data and newly acquired real-time data
- Define the ASCOC selection process and list the selected ASCOCs for A2PIII Part One
- Present the CU boundaries and proposed sampling strategy
- Summarize the analytical requirements and the statistical methodology that will be employed
- Present the proposed certification schedule.

## 1.2 SCOPE

The scope of this CDL is limited to A2PIII Part One, which is essentially the south-central portion of the FEMP site, approximately 70 acres (Figure 1-1). This includes the portion of the FEMP property north of Willey Road and west of the South Access Road. An unnamed tributary runs along the southern boundary of Area 1, Phase II (west of the South Access Road) and provides drainage from Area 1 into the Storm Sewer Outfall Ditch and eventually into Paddys Run. This drainage system provides a natural boundary for a part of the northern and western portions of A2PIII Part One. The western border of A2PIII Part One is the top of the eastern slope of an unnamed tributary east of the Storm Sewer Outfall Ditch. The modified northern border of A2PIII Part One will be the top of ditch line that runs along the southern edge of the Area 1, Phase II outfall area. The stream bed and side banks of the unnamed tributary and storm sewer outfall drainage area corridor will not be certified until the up gradient drainage sources have been certified. The certification for this "dirty" corridor will be completed as part of Area 10 remediation.

The topography of this area of the FEMP (Figure 1-2) includes gently rolling uplands with steep hillsides along streams such as Paddys Run and several of the unnamed tributaries. There are also

large trees and dense brush covering these hillsides. The major portion of A2PIII Part One is a large open field with a thick vegetative covering. A thin tree line runs through the center of this field. On the western side of the field, there are three small drainage culverts that traverse the field and drain into the Storm Sewer Outfall Ditch. There is also one long drainage tributary that flows from the Knollman property (off site) under Willey Road and eventually merges with the Storm Sewer Outfall Ditch near the Active Flyash Pile. All of these tributaries generally flow from east to west and converge into Paddys Run at the National Pollutant Discharge Elimination System outfall Sampling Station No. 4003.

In addition to the drainage creeks, there are several permanent and semi-permanent man-made obstructions in A2PIII Part One which were created prior to, and as the result of, installation of underground piping for extraction and injection wells for the Aquifer Restoration and Waste Water Project (ARWWP). Permanent utility towers are located along the southern boundary. Underground water/utility/extraction/injection piping intersects the area. Five pumphouse structures, one site potable water meter house, exposed extraction/injection well piping, and several concrete pads are within A2PIII Part One. Three large soil stockpiles were generated in the eastern portion of A2PIII Part One: MTL-SPO-005, MTL-SPO-004, and MTL-SPO-019. Several temporary obstructions, such as excess piping (including connected piping from the injection well demonstration project) and silt fences, remain from previous projects. Also, a series of gravel and paved roads for access to extraction/injection wells and pumphouses traverse the area. A gravel laydown area measuring approximately 175 feet x 75 feet is attached to these roads in the southwest section of A2PIII Part One and was used by the subcontractor during well and piping installations.

In addition to this 70-acre tract, a half acre soil stockpile (MTL-HRD-011) near the Southern Waste Units (SWUs) equipment wash facility (Figure 1-2) will be included as an extension of A2PIII Part One. This stockpile consists of approximately 5,000 cubic yards of soil primarily excavated from a portion of the haul road construction.

Based on existing soil contamination data and the perimeter location of A2PIII Part One, no contaminated soil excavation was anticipated. Consequently, in accordance with SEP Excavation Approach E, an Integrated Remedial Design Package was not developed. The certification process for these areas began with precertification scanning activities.

The excavation plan, CDL and Certification PSP for A2PIII Part Two ("northern peninsula") will be addressed in separate documents.

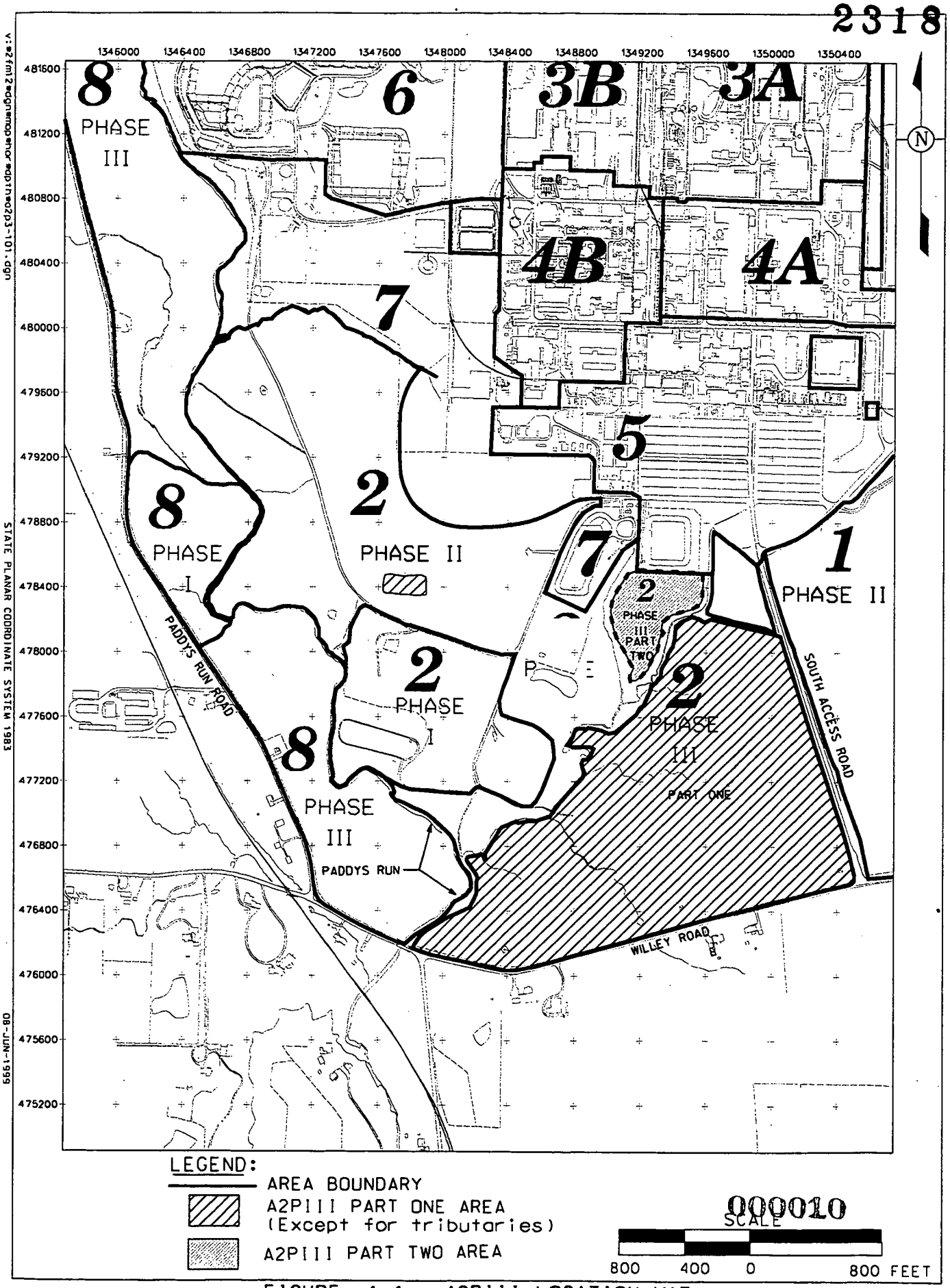
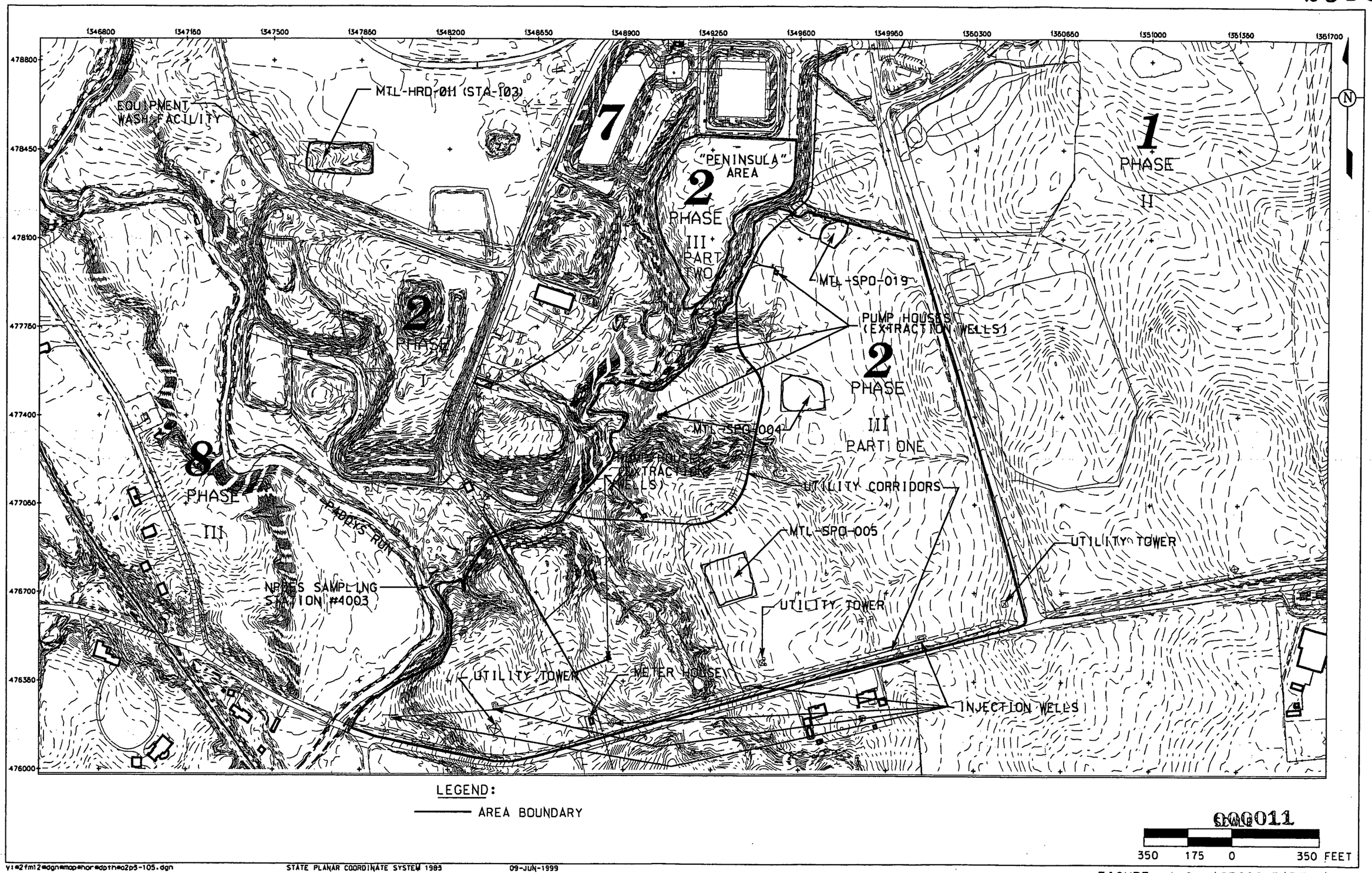



FIGURE 1-1. A2PIII LOCATION MAP






v:\2fm12\dgn\map\hor\dpth\a2p3-105.dgn STATE PLANAR COORDINATE SYSTEM 1983 09-JUN-1999

FIGURE 1-2. A2PIII PART ONE TOPOGRAPHY AND SURFACE FEATURES

# 2.0 HISTORICAL AND PRECERTIFICATION DATA

In accordance with the SEP, all soil demonstrating contamination above the associated FRLs or other applicable action levels must be evaluated for remedial actions prior to conducting precertification and certification activities. The OU5 ROD also commits the FEMP to removing any man-made objects, including debris, building foundations, and drainage systems, before a remediation area can be certified. However, there are several man-made obstructions within A2PIII Part One which will remain during and after certification. These include the utility towers, paved/gravel roads and pad, pumphouses, all underground piping and associated concrete pads. Two culverts supporting an east to west drainage pattern into the unnamed tributary will remain, including the drainage from Knollman's property.

All the semi-permanent obstructions, such as silt fencing and excess piping, will be removed prior to certification.

## 2.1 HISTORICAL DATA

Before initiating certification, all historical soil data pertinent to A2PIII Part One were pulled from the Sitewide Environmental Database (SED), including data within a 100-foot buffer surrounding the subject A2PIII Part One area. Fifty seven locations were identified in the data pull, resulting in 269 samples with analytical results. These sample locations are plotted in Figure 2-1. Twelve of the 269 analytical results have validated results above FRL limits and are summarized in Table 2-1. The below-FRL analytical results and unvalidated above-FRL analytical results are identified in Table 2-2.

The validated above-FRL n-nitroso-di-n-propylamine estimated values are the result of contract required detection limits (CRDLs) greater than the FRL. Review of the data packages shows that these samples were diluted per method by the subcontractor laboratory, effectively raising the CRDL above the FRL concentrations. It should be noted that the soil FRLs were established after receipt of the analytical report with the high CRDLs, and the samples (taken in 1993) were no longer available for reanalysis. While these data are inconclusive with respect to exceeding an FRL, process knowledge and disposal practices indicate these organic compounds are not likely to be found in the proposed certification area. Based on this information, organic compounds will not be retained as ASCOCs.

One thorium-228 and one total uranium sample taken from the same location (CIS_SYSGEN_5) exceed FRL concentrations. These samples are located within the footprint of the Storm Sewer Outfall Line (Figure 2-1) in the 100-foot buffer zone around the area. This drainage corridor is recognized as potentially requiring remediation and is not included in this certification effort for that reason.

Thorium-228 and thorium-232 were detected in soil at depth in two locations. At one location, thorium-228 and thorium-232 were detected at a depth interval of 20-21.5 feet. At the other location, thorium-228 was detected at a depth interval of 125-126.5 feet. These elevated thorium-228 and thorium-232 results should be considered suspect since data in the immediate area at similar depths were reviewed and no other samples were found with elevated thorium contamination. Also, a higher activity at depth is not consistent with depositional scenarios for thorium, as thorium is immobile and not likely to leach at the surface and be redeposited at depth. Based on these reasons, no remedial action is planned in these areas. However, both thorium-228 and thorium-232 will be retained since these analytes are primary COCs.

The three soil stockpiles in the field east of the Storm Sewer Outfall Line were generated from topsoil strippings during the underground piping installation of extraction and injection wells for the ARWWP and COC concentrations are expected to be representative of the rest of the A2PIII Part One field. The soil stockpile near the SWU equipment wash facility (MTL-HRD-0011) was generated during construction of the haul road. One Remedial Investigation/Feasibility Study (RI/FS) sample point (500318/SS-34) is located within the excavation footprint of the generated soil (Table 2-2). The results for this location are below FRLs except for n-nitroso-di-n-propylamine. As discussed previously, the CRDL for this data point was above the FRL. N-nitroso-di-n-propylamine will not be considered an ASCOC for this stockpile.

Aerial photos taken of Area 2 as early as the 1950s were evaluated. As discussed in Section 1.2, several construction and installation events have disturbed the soil in A2PIII Part One. Even though most of the older photos are inconclusive about the exact nature of the disturbances, they helped identify areas of potential concern when evaluating precertification scanning results and were taken into consideration when establishing the CU boundary.

Finally, existing data collected from within A2PIII Part One were also reviewed against the benchmark toxicity values (BTVs) of each constituent of ecological concern and no BTV exceedences were identified.

## 2.2 PRECERTIFICATION DATA

According to guidelines established in Section 3.3.3 of the SEP, precertification activities were conducted in A2PIII Part One to evaluate residual radiological contamination patterns. During precertification Phase 1, a surface radiation survey was conducted over the accessible areas of A2PIII Part One, including the stockpiles. Note that approximately three of the 70 acres were inaccessible.

The Radiation Tracking System (RTRAK) was used to collect information about surface soil radiological contamination patterns over A2PIII Part One. However, because the RTRAK was not capable of accessing densely wooded areas or steep banks, supplemental Radiation Scanning System (RSS) and high-purity germanium (HPGe) detector measurements were collected using the no overlap (90.6 percent coverage) option to assure that any areas of elevated contamination were not missed. Some gaps in coverage exist due to steepness of the slopes, trees, and man-made obstructions in the field. A description of the gaps is included in the total activity maps appendix (Appendix A). Details on the use and capabilities of the RTRAK, the RSS, and the HPGe are provided in the User Guidelines, Measurement Strategies, and Operational Factors for Deployment of In-Situ Gamma Spectrometry at the Fernald Site (DOE 1998b) and Appendix H to the Sitewide Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Quality Assurance Project Plan (DOE 1998c). Since the size of A2PIII Part One required extensive data mapping, the precertification area is separated into five maps for more efficient map generation. The key designating the precertification map boundaries is documented in Figure 2-2.

The A2PIII Part One precertification Phase 1 RTRAK/RSS scan showed a few distinguishable total activity patterns but none with a range of concentrations large enough to warrant separate CU considerations. As shown in the Appendix A, some total activity concentration patterns appear to follow past construction roads and soil disturbances created in previous construction events (i.e., ARWWP extraction and injection well pipeline).

In the open field east of the Storm Sewer Outfall Line and in the soil stockpiles, the precertification Phase 1 measurements for total uranium, thorium-232 and radium-226 were primarily below the FRLs of 82 ppm, 1.5 pCi/g and 1.7 pCi/g, respectively. While some isolated results exceeded the associated FRLs, no "potential hot spots" were identified in these areas. The mobile sodium iodide (NaI) ASCOC results presented in these figures are two-point averages. All real-time results (RTRAK, RSS and HPGe) presented in this CDL have been moisture and radon corrected. The total uranium, thorium-232 and radium-226 maps can be found in Appendices B, C, and D, respectively.

After review of the current precertification Phase 1 mapped data, and considering other factors discussed in Section 3.4.1 of the SEP, CUs were then established before beginning precertification Phase 2. Many of the boundaries are established based on drainage patterns in the field, existing roads, tributary delineation and unscanned areas due to steepness and vegetative thickness. The next step of precertification is to investigate the areas where the mobile NaI scan identified higher total activity levels.

Near completion of Phase 1 measurements, locations of highest activity within each CU (minimum one per CU) were identified for Phase 2 HPGe readings and documented in a Variance/Field Change Notice (V/FCN) to the precertification PSP. The HPGe readings were used to discern the activities of the individual primary radiological ASCOCs.

Appendix E shows the locations and results of the HPGe readings collected for Phase 2 of the precertification. Results of these readings show primary radiological COC concentrations are well below the respective FRLs for CUs A2P3-02 through A2P3-15. Note that CU A2P3-01 will be discussed in the CDL for A2PIII Part Two. Above-FRL contamination is unlikely to be present in A2PIII Part One, and as a result, these CUs are ready for certification activities to begin. All A2PIII Part One and precertification data area accessible through the SED.

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## TABLE 2-1
## A2PIII PART ONE HISTORICAL VALIDATED DATA ABOVE-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | FRL Limit | Result | Qualifier | Units |
|---|---|---|---|---|---|---|---|---|---|---|
| N-Nitroso-di-n-propylamine | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 200 | 420 | U | ug/kg |
| N-Nitroso-di-n-propylamine | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 200 | 400 | U | ug/kg |
| N-Nitroso-di-n-propylamine | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 200 | 400 | U | ug/kg |
| N-Nitroso-di-n-propylamine | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 200 | 390 | U | ug/kg |
| N-Nitroso-di-n-propylamine | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 200 | 380 | U | ug/kg |
| N-Nitroso-di-n-propylamine | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 200 | 420 | U | ug/kg |
| N-Nitroso-di-n-propylamine | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 200 | 410 | U | ug/kg |
| Thorium-228 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 1.7 | 4.23 | - | pCi/g |
| Thorium-228 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 1.7 | 7.58 | - | pCi/g |
| Thorium-228 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 1.7 | 3.2915 | J | pCi/g |
| Thorium-232 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 1.5 | 4.24 | - | pCi/g |
| Uranium, Total | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 82 | 443.0135 | J | mg/kg |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 1,1,1-Trichloroethane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| 1,1,1-Trichloroethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| 1,1,1-Trichloroethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| 1,1,1-Trichloroethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| 1,1,1-Trichloroethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| 1,1,1-Trichloroethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| 1,1,1-Trichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 1,1,1-Trichloroethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 1,1,2,2-Tetrachloroethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| 1,1,2-Trichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| 1,1,2-Trichloroethane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| 1,1,2-Trichloroethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| 1,1,2-Trichloroethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| 1,1,2-Trichloroethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| 1,1,2-Trichloroethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| 1,1,2-Trichloroethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| 1,1,2-Trichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| 1,1,2-Trichloroethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| 1,1-Dichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| 1,1-Dichloroethane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| 1,1-Dichloroethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| 1,1-Dichloroethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| 1,1-Dichloroethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| 1,1-Dichloroethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| 1,1-Dichloroethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |



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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| 1,1-Dichloroethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NA |
| 1,1-Dichloroethene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| 1,1-Dichloroethene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| 1,1-Dichloroethene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | UJ | ug/kg | NO |
| 1,1-Dichloroethene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| 1,1-Dichloroethene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| 1,1-Dichloroethene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| 1,1-Dichloroethene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| 1,1-Dichloroethene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| 1,1-Dichloroethene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NO |
| 1,2,4-Trichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,2,4-Trichlorobenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 1,2,4-Trichlorobenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 1,2,4-Trichlorobenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 1,2,4-Trichlorobenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 1,2,4-Trichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,2,4-Trichlorobenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 1,2-Dichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,2-Dichlorobenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 1,2-Dichlorobenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 1,2-Dichlorobenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 1,2-Dichlorobenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 1,2-Dichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,2-Dichlorobenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 1,2-Dichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| 1,2-Dichloroethane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| 1,2-Dichloroethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| 1,2-Dichloroethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| 1,2-Dichloroethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| 1,2-Dichloroethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| 1,2-Dichloroethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| 1,2-Dichloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| 1,2-Dichloroethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NO |

TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethene (Total) | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| 1,2-Dichloroethene (Total) | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NA |
| 1,2-Dichloropropane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 1,2-Dichloropropane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| 1,2-Dichloropropane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| 1,2-Dichloropropane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| 1,2-Dichloropropane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| 1,2-Dichloropropane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| 1,2-Dichloropropane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| 1,2-Dichloropropane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 1,2-Dichloropropane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| 1,3-Dichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,3-Dichlorobenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 1,3-Dichlorobenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 1,3-Dichlorobenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 1,3-Dichlorobenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 1,3-Dichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,3-Dichlorobenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 1,4-Dichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,4-Dichlorobenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 1,4-Dichlorobenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 1,4-Dichlorobenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 1,4-Dichlorobenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 1,4-Dichlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 1,4-Dichlorobenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 2,4,5-Trichlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| 2,4,5-Trichlorophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | U | ug/kg | NA |



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2318

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | U | ug/kg | NA |
| 2,4,5-Trichlorophenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | U | ug/kg | NA |
| 2,4,5-Trichlorophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NA |
| 2,4,5-Trichlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| 2,4,5-Trichlorophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | U | ug/kg | NA |
| 2,4,6-Trichlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4,6-Trichlorophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2,4,6-Trichlorophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2,4,6-Trichlorophenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2,4,6-Trichlorophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2,4,6-Trichlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4,6-Trichlorophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 2,4-Dichlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4-Dichlorophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2,4-Dichlorophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2,4-Dichlorophenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2,4-Dichlorophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2,4-Dichlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4-Dichlorophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 2,4-Dimethylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4-Dimethylphenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2,4-Dimethylphenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2,4-Dimethylphenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2,4-Dimethylphenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2,4-Dimethylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4-Dimethylphenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 2,4-Dinitrophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | UJ | ug/kg | NA |
| 2,4-Dinitrophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | UJ | ug/kg | NA |
| 2,4-Dinitrophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | U | ug/kg | NA |
| 2,4-Dinitrophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NA |
| 2,4-Dinitrophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | UJ | ug/kg | NA |
| 2,4-Dinitrophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | UJ | ug/kg | NA |
| 2,4-Dinitrotoluene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4-Dinitrotoluene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |



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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,4-Dinitrotoluene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2,4-Dinitrotoluene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2,4-Dinitrotoluene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2,4-Dinitrotoluene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,4-Dinitrotoluene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 2,6-Dinitrotoluene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,6-Dinitrotoluene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2,6-Dinitrotoluene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2,6-Dinitrotoluene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2,6-Dinitrotoluene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2,6-Dinitrotoluene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2,6-Dinitrotoluene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 2-Butanone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 2-Butanone | 103199 | 3398 | | | 476615.3 | 1349865 | 13 | U | ug/kg | NA |
| 2-Butanone | 104450 | 2166 | | | 476553.3 | 1349637 | 3 | U | ug/kg | NA |
| 2-Butanone | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| 2-Butanone | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| 2-Butanone | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| 2-Butanone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 2-Butanone | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| 2-Chloronaphthalene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2-Chloronaphthalene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2-Chloronaphthalene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2-Chloronaphthalene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2-Chloronaphthalene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2-Chloronaphthalene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2-Chloronaphthalene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 2-Chlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2-Chlorophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2-Chlorophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2-Chlorophenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2-Chlorophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2-Chlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2-Chlorophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-Hexanone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 2-Hexanone | 103199 | 3398 | | | 476615.3 | 1349865 | 13 | UJ | ug/kg | NA |
| 2-Hexanone | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| 2-Hexanone | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| 2-Hexanone | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| 2-Hexanone | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| 2-Hexanone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| 2-Hexanone | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| 2-Methylnaphthalene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | UJ | ug/kg | NA |
| 2-Methylnaphthalene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2-Methylnaphthalene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | UJ | ug/kg | NA |
| 2-Methylnaphthalene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | UJ | ug/kg | NA |
| 2-Methylnaphthalene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2-Methylnaphthalene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | UJ | ug/kg | NA |
| 2-Methylnaphthalene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | UJ | ug/kg | NA |
| 2-Nitroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| 2-Nitroaniline | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | UJ | ug/kg | NA |
| 2-Nitroaniline | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | U | ug/kg | NA |
| 2-Nitroaniline | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | UJ | ug/kg | NA |
| 2-Nitroaniline | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NA |
| 2-Nitroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| 2-Nitroaniline | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | U | ug/kg | NA |
| 2-Nitrophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2-Nitrophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 2-Nitrophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 2-Nitrophenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 2-Nitrophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 2-Nitrophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 2-Nitrophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 3,3'-Dichlorobenzidine | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| 3,3'-Dichlorobenzidine | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| 3,3'-Dichlorobenzidine | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | UJ | ug/kg | NO |
| 3,3'-Dichlorobenzidine | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | UJ | ug/kg | NO |
| 3,3'-Dichlorobenzidine | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 3,3'-Dichlorobenzidine | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| 3,3'-Dichlorobenzidine | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | UJ | ug/kg | NO |
| 3-Nitroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| 3-Nitroaniline | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | U | ug/kg | NA |
| 3-Nitroaniline | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | U | ug/kg | NA |
| 3-Nitroaniline | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | U | ug/kg | NA |
| 3-Nitroaniline | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NA |
| 3-Nitroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| 3-Nitroaniline | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | U | ug/kg | NA |
| 4,4'-DDD | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| 4,4'-DDD | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| 4,4'-DDD | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| 4,4'-DDD | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| 4,4'-DDD | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| 4,4'-DDE | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| 4,4'-DDE | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| 4,4'-DDE | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| 4,4'-DDE | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| 4,4'-DDE | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| 4,4'-DDT | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| 4,4'-DDT | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| 4,4'-DDT | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| 4,4'-DDT | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| 4,4'-DDT | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| 4,6-Dinitro-2-methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | UJ | ug/kg | NA |
| 4,6-Dinitro-2-methylphenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | UJ | ug/kg | NA |
| 4,6-Dinitro-2-methylphenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | UJ | ug/kg | NA |
| 4,6-Dinitro-2-methylphenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | UJ | ug/kg | NA |
| 4,6-Dinitro-2-methylphenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NA |
| 4,6-Dinitro-2-methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | UJ | ug/kg | NA |
| 4,6-Dinitro-2-methylphenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | UJ | ug/kg | NA |
| 4-Bromophenyl phenyl ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 4-Bromophenyl phenyl ether | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 4-Bromophenyl phenyl ether | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |



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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Bromophenyl phenyl ether | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 4-Bromophenyl phenyl ether | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 4-Bromophenyl phenyl ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 4-Bromophenyl phenyl ether | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 4-Chloro-3-methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 4-Chloro-3-methylphenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 4-Chloro-3-methylphenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 4-Chloro-3-methylphenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 4-Chloro-3-methylphenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 4-Chloro-3-methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 4-Chloro-3-methylphenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 4-Chlorophenylphenyl ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 4-Chlorophenylphenyl ether | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| 4-Chlorophenylphenyl ether | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| 4-Chlorophenylphenyl ether | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| 4-Chlorophenylphenyl ether | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| 4-Chlorophenylphenyl ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| 4-Chlorophenylphenyl ether | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| 4-Methyl-2-pentanone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| 4-Methyl-2-pentanone | 103199 | 3398 | | | 476615.3 | 1349865 | 13 | U | ug/kg | NO |
| 4-Methyl-2-pentanone | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| 4-Methyl-2-pentanone | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| 4-Methyl-2-pentanone | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| 4-Methyl-2-pentanone | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| 4-Methyl-2-pentanone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| 4-Methyl-2-pentanone | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| 4-Nitroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NO |
| 4-Nitroaniline | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | UJ | ug/kg | NO |
| 4-Nitroaniline | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | U | ug/kg | NO |
| 4-Nitroaniline | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | U | ug/kg | NO |
| 4-Nitroaniline | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NO |
| 4-Nitroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NO |
| 4-Nitroaniline | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | U | ug/kg | NO |
| 4-Nitrophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |



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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Nitrophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | U | ug/kg | NA |
| 4-Nitrophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | U | ug/kg | NA |
| 4-Nitrophenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | U | ug/kg | NA |
| 4-Nitrophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NA |
| 4-Nitrophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| 4-Nitrophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | U | ug/kg | NA |
| Acenaphthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Acenaphthene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Acenaphthene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | UJ | ug/kg | NA |
| Acenaphthene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Acenaphthene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Acenaphthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Acenaphthene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Acenaphthylene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Acenaphthylene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Acenaphthylene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Acenaphthylene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Acenaphthylene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Acenaphthylene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Acenaphthylene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Acetone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 12 | J | ug/kg | NO |
| Acetone | 103199 | 3398 | | | 476615.3 | 1349865 | 13 | U | ug/kg | NO |
| Acetone | 104450 | 2166 | | | 476553.3 | 1349637 | 28 | J | ug/kg | NO |
| Acetone | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | UJ | ug/kg | NO |
| Acetone | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Acetone | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NO |
| Acetone | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Acetone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 12 | J | ug/kg | NO |
| Acetone | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Aldrin | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| Aldrin | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| Aldrin | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| Aldrin | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| Aldrin | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |

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2318

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| alpha-BHC | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| alpha-BHC | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| alpha-BHC | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| alpha-BHC | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| alpha-Chlordane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NO |
| alpha-Chlordane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NO |
| alpha-Chlordane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NO |
| alpha-Chlordane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NO |
| alpha-Chlordane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NO |
| Aluminum | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 5610 | - | mg/kg | NA |
| Aluminum | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 11600 | J | mg/kg | NA |
| Aluminum | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 8380 | - | mg/kg | NA |
| Aluminum | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 10100 | - | mg/kg | NA |
| Aluminum | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 8330 | J | mg/kg | NA |
| Aluminum | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 5610 | - | mg/kg | NA |
| Aluminum | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 6420 | - | mg/kg | NA |
| Aluminum | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 15800 | - | mg/kg | NA |
| Aluminum | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 24500 | J | mg/kg | NA |
| Anthracene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Anthracene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Anthracene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Anthracene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Anthracene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Anthracene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Anthracene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Antimony | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 3.5 | UJ | mg/kg | NO |
| Antimony | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 3.4 | UJ | mg/kg | NO |
| Antimony | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.3 | UJ | mg/kg | NO |
| Antimony | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 3.3 | U | mg/kg | NO |
| Antimony | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 3.2 | UJ | mg/kg | NO |
| Antimony | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 3.5 | UJ | mg/kg | NO |
| Antimony | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 3.5 | UJ | mg/kg | NO |
| Aroclor-1016 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 40 | U | ug/kg | NA |
| Aroclor-1016 | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 39 | UJ | ug/kg | NA |
| Aroclor-1016 | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 78 | U | ug/kg | NA |
| Aroclor-1016 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |
| Aroclor-1221 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 85 | UJ | ug/kg | NA |
| Aroclor-1221 | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 82 | U | ug/kg | NA |
| Aroclor-1221 | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 80 | UJ | ug/kg | NA |
| Aroclor-1221 | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 160 | U | ug/kg | NA |
| Aroclor-1221 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 85 | UJ | ug/kg | NA |
| Aroclor-1232 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |
| Aroclor-1232 | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 40 | U | ug/kg | NA |
| Aroclor-1232 | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 39 | UJ | ug/kg | NA |
| Aroclor-1232 | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 78 | U | ug/kg | NA |
| Aroclor-1232 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |
| Aroclor-1242 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |
| Aroclor-1242 | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 40 | U | ug/kg | NA |
| Aroclor-1242 | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 39 | UJ | ug/kg | NA |
| Aroclor-1242 | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 78 | U | ug/kg | NA |
| Aroclor-1242 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |
| Aroclor-1248 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |
| Aroclor-1248 | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 40 | U | ug/kg | NA |
| Aroclor-1248 | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 39 | UJ | ug/kg | NA |
| Aroclor-1248 | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 78 | U | ug/kg | NA |
| Aroclor-1248 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NA |
| Aroclor-1254 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NO |
| Aroclor-1254 | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 40 | U | ug/kg | NO |
| Aroclor-1254 | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 39 | UJ | ug/kg | NO |
| Aroclor-1254 | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 78 | U | ug/kg | NO |
| Aroclor-1254 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NO |
| Aroclor-1260 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NO |
| Aroclor-1260 | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 40 | U | ug/kg | NO |
| Aroclor-1260 | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 39 | UJ | ug/kg | NO |
| Aroclor-1260 | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 78 | U | ug/kg | NO |
| Aroclor-1260 | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 42 | UJ | ug/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1260 | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 36 | U | ug/kg | NO |
| Aroclor-1260 | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 36 | U | ug/kg | NO |
| Aroclor-1260 | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 36 | U | ug/kg | NO |
| Aroclor-1260 | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 36 | U | ug/kg | NO |
| Aroclor-1260 | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 35 | U | ug/kg | NO |
| Aroclor-1260 | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 35 | U | ug/kg | NO |
| Arsenic | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1.5 | - | mg/kg | NO |
| Arsenic | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 8.7 | J | mg/kg | NO |
| Arsenic | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 5.8 | - | mg/kg | NO |
| Arsenic | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 3.7 | - | mg/kg | NO |
| Arsenic | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 5.7 | - | mg/kg | NO |
| Arsenic | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1.5 | - | mg/kg | NO |
| Arsenic | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 2.8 | - | mg/kg | NO |
| Arsenic | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 5.6 | - | mg/kg | NO |
| Arsenic | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 4.8 | J | mg/kg | NO |
| Arsenic | AFP-B-C-4-M | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 6 | - | mg/kg | NO |
| Arsenic | AFP-B-C-4-M | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 6 | - | mg/kg | NO |
| Arsenic | AFP-B-C-5-M | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 4 | - | mg/kg | NO |
| Arsenic | AFP-B-C-5-M | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 4 | - | mg/kg | NO |
| Arsenic | AFP-B-C-7-M | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 3.2 | - | mg/kg | NO |
| Arsenic | AFP-B-C-7-M | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 3.2 | - | mg/kg | NO |
| Barium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 51.1 | - | mg/kg | NO |
| Barium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 81.5 | - | mg/kg | NO |
| Barium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 62.3 | - | mg/kg | NO |
| Barium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 109 | - | mg/kg | NO |
| Barium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 55 | - | mg/kg | NO |
| Barium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 51.1 | - | mg/kg | NO |
| Barium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 49.9 | - | mg/kg | NO |
| Barium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 78.4 | - | mg/kg | NO |
| Barium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 156 | J | mg/kg | NO |
| Benzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Benzene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Benzene | 104450 | 2166 | | | 476553.3 | 1349637 | 10 | U | ug/kg | NO |
| Benzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Benzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Benzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Benzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Benzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Benzo(a)anthracene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(a)anthracene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Benzo(a)anthracene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| Benzo(a)anthracene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Benzo(a)anthracene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Benzo(a)anthracene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(a)anthracene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Benzo(a)anthracene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 240 | U | ug/kg | NO |
| Benzo(a)anthracene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 240 | U | ug/kg | NO |
| Benzo(a)anthracene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 240 | U | ug/kg | NO |
| Benzo(a)anthracene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 240 | U | ug/kg | NO |
| Benzo(a)anthracene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 20 | J | ug/kg | NO |
| Benzo(a)anthracene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 20 | J | ug/kg | NO |
| Benzo(a)pyrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(a)pyrene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Benzo(a)pyrene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| Benzo(a)pyrene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Benzo(a)pyrene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Benzo(a)pyrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(a)pyrene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Benzo(a)pyrene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 360 | U | ug/kg | NO |
| Benzo(a)pyrene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 360 | U | ug/kg | NO |
| Benzo(a)pyrene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 360 | U | ug/kg | NO |
| Benzo(a)pyrene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 360 | U | ug/kg | NO |
| Benzo(a)pyrene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 18 | J | ug/kg | NO |
| Benzo(a)pyrene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 18 | J | ug/kg | NO |
| Benzo(b)fluoranthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(b)fluoranthene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Benzo(b)fluoranthene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(b)fluoranthene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Benzo(b)fluoranthene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Benzo(b)fluoranthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(b)fluoranthene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Benzo(b)fluoranthene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 270 | U | ug/kg | NO |
| Benzo(b)fluoranthene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 270 | U | ug/kg | NO |
| Benzo(b)fluoranthene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 270 | U | ug/kg | NO |
| Benzo(b)fluoranthene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 270 | U | ug/kg | NO |
| Benzo(b)fluoranthene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 26 | J | ug/kg | NO |
| Benzo(b)fluoranthene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 26 | J | ug/kg | NO |
| Benzo(g,h,i)perylene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Benzo(g,h,i)perylene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Benzo(g,h,i)perylene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Benzo(g,h,i)perylene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Benzo(g,h,i)perylene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Benzo(g,h,i)perylene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Benzo(g,h,i)perylene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Benzo(k)fluoranthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(k)fluoranthene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Benzo(k)fluoranthene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| Benzo(k)fluoranthene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Benzo(k)fluoranthene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Benzo(k)fluoranthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Benzo(k)fluoranthene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Benzo(k)fluoranthene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 330 | U | ug/kg | NO |
| Benzo(k)fluoranthene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 330 | U | ug/kg | NO |
| Benzo(k)fluoranthene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 320 | U | ug/kg | NO |
| Benzo(k)fluoranthene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 320 | U | ug/kg | NO |
| Benzo(k)fluoranthene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 26 | J | ug/kg | NO |
| Benzo(k)fluoranthene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 26 | J | ug/kg | NO |
| Benzoic acid | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| Benzoic acid | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | UJ | ug/kg | NA |
| Benzoic acid | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | UJ | ug/kg | NA |
| Benzoic acid | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | U | ug/kg | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzoic acid | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NA |
| Benzoic acid | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NA |
| Benzoic acid | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | UJ | ug/kg | NA |
| Benzyl alcohol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Benzyl alcohol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Benzyl alcohol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | UJ | ug/kg | NA |
| Benzyl alcohol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Benzyl alcohol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Benzyl alcohol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Benzyl alcohol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | UJ | ug/kg | NA |
| Beryllium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1.3 | U | mg/kg | NO |
| Beryllium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1.2 | UJ | mg/kg | NO |
| Beryllium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1.2 | U | mg/kg | NO |
| Beryllium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 1.2 | U | mg/kg | NO |
| Beryllium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 1.1 | UJ | mg/kg | NO |
| Beryllium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1.3 | U | mg/kg | NO |
| Beryllium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1.4 | - | mg/kg | NO |
| Beryllium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.27 | - | mg/kg | NO |
| Beryllium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.83 | J | mg/kg | NO |
| beta-BHC | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| beta-BHC | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| beta-BHC | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| beta-BHC | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| beta-BHC | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| bis(2-Chloroethoxy)methane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| bis(2-Chloroethoxy)methane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| bis(2-Chloroethoxy)methane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| bis(2-Chloroethoxy)methane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| bis(2-Chloroethoxy)methane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| bis(2-Chloroethoxy)methane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| bis(2-Chloroethoxy)methane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| bis(2-Chloroethyl)ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| bis(2-Chloroethyl)ether | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| bis(2-Chloroethyl)ether | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | UJ | ug/kg | NA |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| bis(2-Chloroethyl)ether | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| bis(2-Chloroethyl)ether | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| bis(2-Chloroethyl)ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| bis(2-Chloroethyl)ether | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | UJ | ug/kg | NA |
| bis(2-Chloroisopropyl) ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | UJ | ug/kg | NO |
| bis(2-Chloroisopropyl) ether | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| bis(2-Chloroisopropyl) ether | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| bis(2-Chloroisopropyl) ether | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| bis(2-Chloroisopropyl) ether | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| bis(2-Chloroisopropyl) ether | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | UJ | ug/kg | NO |
| bis(2-Chloroisopropyl) ether | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| bis(2-Ethylhexyl)phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| bis(2-Ethylhexyl)phthalate | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| bis(2-Ethylhexyl)phthalate | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| bis(2-Ethylhexyl)phthalate | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| bis(2-Ethylhexyl)phthalate | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| bis(2-Ethylhexyl)phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| bis(2-Ethylhexyl)phthalate | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 51 | J | ug/kg | NO |
| Bromodichloromethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Bromodichloromethane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Bromodichloromethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Bromodichloromethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Bromodichloromethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Bromodichloromethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Bromodichloromethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Bromodichloromethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Bromodichloromethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Bromoform | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Bromoform | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Bromoform | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Bromoform | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Bromoform | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Bromoform | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Bromoform | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Bromoform | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Bromomethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| Bromomethane | 103199 | 3398 | | | 476615.3 | 1349865 | 13 | UJ | ug/kg | NO |
| Bromomethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Bromomethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Bromomethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Bromomethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Bromomethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Bromomethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| Bromomethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NO |
| Butyl benzyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Butyl benzyl phthalate | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Butyl benzyl phthalate | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Butyl benzyl phthalate | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Butyl benzyl phthalate | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Butyl benzyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Butyl benzyl phthalate | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Cadmium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1.3 | U | mg/kg | NO |
| Cadmium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1.2 | U | mg/kg | NO |
| Cadmium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1.2 | U | mg/kg | NO |
| Cadmium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 1.2 | U | mg/kg | NO |
| Cadmium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 1.1 | U | mg/kg | NO |
| Cadmium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1.3 | U | mg/kg | NO |
| Cadmium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1.2 | U | mg/kg | NO |
| Cadmium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.12 | U | mg/kg | NO |
| Cadmium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.03 | UJ | mg/kg | NO |
| Calcium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1200 | U | mg/kg | NA |
| Calcium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 37500 | - | mg/kg | NA |
| Calcium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1950 | U | mg/kg | NA |
| Calcium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 2390 | U | mg/kg | NA |
| Calcium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 1700 | - | mg/kg | NA |
| Calcium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1200 | U | mg/kg | NA |
| Calcium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 2260 | U | mg/kg | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 26400 | J | mg/kg | NA |
| Calcium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 3250 | J | mg/kg | NA |
| Carbon disulfide | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| Carbon disulfide | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Carbon disulfide | 104450 | 2166 | | | 476553.3 | 1349637 | 2 | J | ug/kg | NO |
| Carbon disulfide | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Carbon disulfide | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Carbon disulfide | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Carbon disulfide | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Carbon disulfide | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| Carbon disulfide | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NO |
| Carbon Tetrachloride | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Carbon Tetrachloride | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Carbon Tetrachloride | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Carbon Tetrachloride | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Carbon Tetrachloride | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Carbon Tetrachloride | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Carbon Tetrachloride | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Carbon Tetrachloride | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Carbon Tetrachloride | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Cesium-137 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.2 | U | pci/g | NO |
| Cesium-137 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 0.8 | J | pci/g | NO |
| Cesium-137 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 1.1 | J | pci/g | NO |
| Cesium-137 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 0.5 | - | pCi/g | NO |
| Cesium-137 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.2 | UJ | pci/g | NO |

000034

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Cesium-137 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 1.1 | J | pCi/g | NO |
| Cesium-137 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.2 | U | pci/g | NO |
| Cesium-137 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.2 | UJ | pci/g | NO |
| Cesium-137 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.538 | - | pci/g | NO |
| Cesium-137 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.008 | U | pci/g | NO |
| Cesium-137 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 0.2 | U | pci/g | NO |
| Chlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Chlorobenzene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Chlorobenzene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Chlorobenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Chlorobenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Chlorobenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NO |
| Chlorobenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Chlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Chlorobenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 2 | J | ug/kg | NO |
| Chloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| Chloroethane | 103199 | 3398 | | | 476615.3 | 1349865 | 13 | U | ug/kg | NA |
| Chloroethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| Chloroethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| Chloroethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| Chloroethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| Chloroethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| Chloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| Chloroethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NA |
| Chloroform | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |

000035

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloroform | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Chloroform | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Chloroform | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Chloroform | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Chloroform | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Chloroform | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Chloroform | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| Chloroform | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NO |
| Chloromethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| Chloromethane | 103199 | 3398 | | | 476615.3 | 1349865 | 13 | U | ug/kg | NA |
| Chloromethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| Chloromethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| Chloromethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| Chloromethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| Chloromethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| Chloromethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NA |
| Chloromethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NA |
| Chromium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 7 | - | mg/kg | NO |
| Chromium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 15.9 | - | mg/kg | NO |
| Chromium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 11.6 | - | mg/kg | NO |
| Chromium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 11.3 | - | mg/kg | NO |
| Chromium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11.1 | - | mg/kg | NO |
| Chromium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 7 | - | mg/kg | NO |
| Chromium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 8.6 | - | mg/kg | NO |
| Chromium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 15.2 | J | mg/kg | NO |
| Chromium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 25.6 | J | mg/kg | NO |
| Chrysene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Chrysene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Chrysene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| Chrysene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Chrysene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Chrysene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Chrysene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| cis-1,3-Dichloropropene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| cis-1,3-Dichloropropene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| cis-1,3-Dichloropropene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| cis-1,3-Dichloropropene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| cis-1,3-Dichloropropene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| cis-1,3-Dichloropropene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| cis-1,3-Dichloropropene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| cis-1,3-Dichloropropene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| Cobalt | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 11.8 | - | mg/kg | NO |
| Cobalt | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 9.3 | - | mg/kg | NO |
| Cobalt | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 10.8 | - | mg/kg | NO |
| Cobalt | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 8 | - | mg/kg | NO |
| Cobalt | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 9.9 | - | mg/kg | NO |
| Cobalt | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 11.8 | - | mg/kg | NO |
| Cobalt | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 10.5 | - | mg/kg | NO |
| Cobalt | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 6.3 | J | mg/kg | NO |
| Cobalt | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 8.5 | J | mg/kg | NO |
| Copper | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 6.2 | - | mg/kg | NO |
| Copper | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 18 | - | mg/kg | NO |
| Copper | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 14.9 | - | mg/kg | NO |
| Copper | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 11.7 | - | mg/kg | NO |
| Copper | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 10.2 | - | mg/kg | NO |
| Copper | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 6.2 | - | mg/kg | NO |
| Copper | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 9.3 | - | mg/kg | NO |
| Copper | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 15.5 | - | mg/kg | NO |
| Copper | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 18.9 | J | mg/kg | NO |
| Cyanide | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.35 | - | mg/kg | NO |
| Cyanide | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 0.3 | UJ | mg/kg | NO |
| Cyanide | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.42 | - | mg/kg | NO |
| Cyanide | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.44 | J | mg/kg | NO |
| Cyanide | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 0.29 | UJ | mg/kg | NO |
| Cyanide | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.35 | - | mg/kg | NO |
| Cyanide | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.43 | - | mg/kg | NO |
| delta-BHC | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| delta-BHC | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| delta-BHC | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| delta-BHC | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| delta-BHC | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| Dibenzo(a,h)anthracene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 87 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 87 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 86 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 86 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 84 | U | ug/kg | NO |
| Dibenzo(a,h)anthracene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 84 | U | ug/kg | NO |
| Dibenzofuran | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Dibenzofuran | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Dibenzofuran | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Dibenzofuran | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Dibenzofuran | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Dibenzofuran | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Dibenzofuran | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Dibromochloromethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| Dibromochloromethane | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| Dibromochloromethane | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| Dibromochloromethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| Dibromochloromethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| Dibromochloromethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |
| Dibromochloromethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| Dibromochloromethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| Dibromochloromethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| Dieldrin | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NO |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NO |
| Dieldrin | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NO |
| Dieldrin | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NO |
| Dieldrin | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NO |
| Dieldrin | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 3.6 | U | ug/kg | NO |
| Dieldrin | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 3.6 | U | ug/kg | NO |
| Dieldrin | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 3.6 | U | ug/kg | NO |
| Dieldrin | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 3.6 | U | ug/kg | NO |
| Dieldrin | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 3.5 | U | ug/kg | NO |
| Dieldrin | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 3.5 | U | ug/kg | NO |
| Diethyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Diethyl phthalate | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Diethyl phthalate | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Diethyl phthalate | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Diethyl phthalate | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Diethyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Diethyl phthalate | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Dimethyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Dimethyl phthalate | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Dimethyl phthalate | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Dimethyl phthalate | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Dimethyl phthalate | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Dimethyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Dimethyl phthalate | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Di-n-butyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Di-n-butyl phthalate | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Di-n-butyl phthalate | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Di-n-butyl phthalate | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Di-n-butyl phthalate | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Di-n-butyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Di-n-butyl phthalate | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Di-n-octyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Di-n-octyl phthalate | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Di-n-octyl phthalate | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Di-n-octyl phthalate | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Di-n-octyl phthalate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Di-n-octyl phthalate | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Endosulfan II | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endosulfan II | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| Endosulfan II | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| Endosulfan II | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| Endosulfan II | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endosulfan sulfate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endosulfan sulfate | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| Endosulfan sulfate | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| Endosulfan sulfate | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| Endosulfan sulfate | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endosulfan-I | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| Endosulfan-I | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| Endosulfan-I | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| Endosulfan-I | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| Endosulfan-I | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| Endrin | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endrin | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| Endrin | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| Endrin | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| Endrin | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endrin aldehyde | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endrin aldehyde | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| Endrin aldehyde | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| Endrin aldehyde | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| Endrin aldehyde | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endrin ketone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |
| Endrin ketone | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4 | U | ug/kg | NA |
| Endrin ketone | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.9 | UJ | ug/kg | NA |
| Endrin ketone | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 7.8 | U | ug/kg | NA |
| Endrin ketone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.2 | UJ | ug/kg | NA |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Ethylbenzene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Ethylbenzene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Ethylbenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Ethylbenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Ethylbenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NO |
| Ethylbenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Ethylbenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Ethylbenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Fluoranthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Fluoranthene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Fluoranthene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Fluoranthene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Fluoranthene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Fluoranthene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Fluoranthene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Fluorene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Fluorene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Fluorene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Fluorene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Fluorene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Fluorene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Fluorene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| gamma-BHC (Lindane) | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| gamma-BHC (Lindane) | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| gamma-BHC (Lindane) | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| gamma-BHC (Lindane) | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| gamma-BHC (Lindane) | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| gamma-Chlordane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NO |
| gamma-Chlordane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NO |
| gamma-Chlordane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NO |
| gamma-Chlordane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NO |
| gamma-Chlordane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NO |
| Heptachlor | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| Heptachlor | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| Heptachlor | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| Heptachlor | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| Heptachlor epoxide | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| Heptachlor epoxide | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 2.1 | U | ug/kg | NA |
| Heptachlor epoxide | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 2 | UJ | ug/kg | NA |
| Heptachlor epoxide | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | ug/kg | NA |
| Heptachlor epoxide | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 2.2 | UJ | ug/kg | NA |
| Hexachlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Hexachlorobenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Hexachlorobenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Hexachlorobenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Hexachlorobenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Hexachlorobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Hexachlorobenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Hexachlorobutadiene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Hexachlorobutadiene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Hexachlorobutadiene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Hexachlorobutadiene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Hexachlorobutadiene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Hexachlorobutadiene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Hexachlorobutadiene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Hexachlorocyclopentadiene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | UJ | ug/kg | NA |
| Hexachlorocyclopentadiene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Hexachlorocyclopentadiene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Hexachlorocyclopentadiene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Hexachlorocyclopentadiene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Hexachlorocyclopentadiene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | UJ | ug/kg | NA |
| Hexachlorocyclopentadiene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Hexachloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Hexachloroethane | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Hexachloroethane | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Hexachloroethane | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Hexachloroethane | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Hexachloroethane | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Hexachloroethane | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Indeno(1,2,3-cd)pyrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 270 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 270 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 270 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 270 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 260 | U | ug/kg | NO |
| Indeno(1,2,3-cd)pyrene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 260 | U | ug/kg | NO |
| Iron | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 8340 | - | mg/kg | NA |
| Iron | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 22300 | J | mg/kg | NA |
| Iron | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 18600 | - | mg/kg | NA |
| Iron | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 16000 | - | mg/kg | NA |
| Iron | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 15900 | J | mg/kg | NA |
| Iron | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 8340 | - | mg/kg | NA |
| Iron | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12400 | - | mg/kg | NA |
| Iron | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 18000 | - | mg/kg | NA |
| Iron | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 25100 | - | mg/kg | NA |
| Isophorone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Isophorone | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Isophorone | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Isophorone | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Isophorone | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Isophorone | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Isophorone | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Lead | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 14.8 | J | mg/kg | NO |
| Lead | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 15.4 | J | mg/kg | NO |

0000043

2318

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 14.8 | J | mg/kg | NO |
| Lead | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 23.1 | J | mg/kg | NO |
| Lead | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 17.1 | J | mg/kg | NO |
| Lead | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 15.6 | - | mg/kg | NO |
| Lead | AFP-B-C-4-M | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 20.4 | J | mg/kg | NO |
| Lead | AFP-B-C-4-M | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 20.4 | J | mg/kg | NO |
| Lead | AFP-B-C-5-M | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 14.6 | J | mg/kg | NO |
| Lead | AFP-B-C-5-M | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 14.6 | J | mg/kg | NO |
| Lead | AFP-B-C-7-M | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 11.3 | - | mg/kg | NO |
| Lead | AFP-B-C-7-M | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 11.3 | - | mg/kg | NO |
| Magnesium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1250 | - | mg/kg | NA |
| Magnesium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 17700 | - | mg/kg | NA |
| Magnesium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1910 | - | mg/kg | NA |
| Magnesium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 2050 | - | mg/kg | NA |
| Magnesium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 1890 | - | mg/kg | NA |
| Magnesium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1250 | - | mg/kg | NA |
| Magnesium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1470 | - | mg/kg | NA |
| Magnesium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 8390 | J | mg/kg | NA |
| Magnesium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 4220 | J | mg/kg | NA |
| Manganese | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 492 | - | mg/kg | NO |
| Manganese | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 619 | - | mg/kg | NO |
| Manganese | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 1170 | - | mg/kg | NO |
| Manganese | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 492 | - | mg/kg | NO |
| Manganese | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 504 | - | mg/kg | NO |
| Manganese | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 358 | J | mg/kg | NO |
| Manganese | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 347 | - | mg/kg | NO |
| Mercury | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.06 | U | mg/kg | NO |
| Mercury | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 0.06 | U | mg/kg | NO |
| Mercury | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.06 | U | mg/kg | NO |
| Mercury | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.06 | UJ | mg/kg | NO |
| Mercury | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 0.06 | U | mg/kg | NO |
| Mercury | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.06 | U | mg/kg | NO |
| Mercury | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.06 | U | mg/kg | NO |
| Mercury | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.06 | U | mg/kg | NO |

000044

TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.06 | U | mg/kg | NO |
| Methoxychlor | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 22 | UJ | ug/kg | NA |
| Methoxychlor | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 21 | U | ug/kg | NA |
| Methoxychlor | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 20 | UJ | ug/kg | NA |
| Methoxychlor | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 40 | U | ug/kg | NA |
| Methoxychlor | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 22 | UJ | ug/kg | NA |
| Methylene chloride | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| Methylene chloride | 103199 | 3398 | | | 476615.3 | 1349865 | 180 | - | ug/kg | NO |
| Methylene chloride | 104450 | 2166 | | | 476553.3 | 1349637 | 17 | U | ug/kg | NO |
| Methylene chloride | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Methylene chloride | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Methylene chloride | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Methylene chloride | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Methylene chloride | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | U | ug/kg | NO |
| Methylene chloride | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | U | ug/kg | NO |
| Molybdenum | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.3 | U | mg/kg | NO |
| Molybdenum | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 4.1 | U | mg/kg | NO |
| Molybdenum | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 4 | U | mg/kg | NO |
| Molybdenum | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 4 | U | mg/kg | NO |
| Molybdenum | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 3.9 | U | mg/kg | NO |
| Molybdenum | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.3 | U | mg/kg | NO |
| Molybdenum | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 4.2 | U | mg/kg | NO |
| Molybdenum | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.6 | J | mg/kg | NO |
| Molybdenum | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.3 | UJ | mg/kg | NO |
| Naphthalene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Naphthalene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Naphthalene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Naphthalene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Naphthalene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Naphthalene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Naphthalene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Neptunium-237 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 0.6 | UJ | pci/g | NO |
| Neptunium-237 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 0.6 | UJ | pci/g | NO |

000045

2318

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Neptunium-237 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 0.6 | U | pCi/g | NO |
| Neptunium-237 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NO |
| Neptunium-237 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NO |
| Neptunium-237 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NO |
| Neptunium-237 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.6 | UJ | pci/g | NO |
| Neptunium-237 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | UJ | pci/g | NO |
| Neptunium-237 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | UJ | pci/g | NO |
| Neptunium-237 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | U | pci/g | NO |
| Neptunium-237 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.434 | J | pci/g | NO |
| Neptunium-237 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.036 | U | pci/g | NO |
| Neptunium-237 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 0 | UJ | pci/g | NO |
| Neptunium-237 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 0.059 | UJ | pci/g | NO |
| Neptunium-237 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 0 | UJ | pci/g | NO |
| Neptunium-237 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 0.033 | UJ | pci/g | NO |
| Neptunium-237 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 0 | UJ | pci/g | NO |
| Neptunium-237 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 0.0415 | UJ | pci/g | NO |
| Neptunium-237 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 0.2 | U | pci/g | NO |
| Neptunium-237 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 0.2 | U | pci/g | NO |
| Nickel | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.6 | U | mg/kg | NO |
| Nickel | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 21 | - | mg/kg | NO |
| Nickel | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 13.9 | - | mg/kg | NO |

0000046

TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Nickel | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 10.7 | - | mg/kg | NO |
| Nickel | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 13.6 | - | mg/kg | NO |
| Nickel | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 4.6 | U | mg/kg | NO |
| Nickel | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 9.2 | - | mg/kg | NO |
| Nickel | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 12.3 | J | mg/kg | NO |
| Nickel | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 20.8 | J | mg/kg | NO |
| Nitrobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Nitrobenzene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Nitrobenzene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Nitrobenzene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Nitrobenzene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Nitrobenzene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Nitrobenzene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| N-Nitrosodiphenylamine | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| N-Nitrosodiphenylamine | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| N-Nitrosodiphenylamine | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| N-Nitrosodiphenylamine | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NO |
| N-Nitrosodiphenylamine | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |
| N-Nitrosodiphenylamine | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| N-Nitrosodiphenylamine | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| o-Methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| o-Methylphenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| o-Methylphenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| o-Methylphenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| o-Methylphenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| o-Methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| o-Methylphenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| p-Chloroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| p-Chloroaniline | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| p-Chloroaniline | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| p-Chloroaniline | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| p-Chloroaniline | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| p-Chloroaniline | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| p-Chloroaniline | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |

000047

2318

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NO |
| Pentachlorophenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 1000 | U | ug/kg | NO |
| Pentachlorophenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 990 | U | ug/kg | NO |
| Pentachlorophenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 980 | U | ug/kg | NO |
| Pentachlorophenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 950 | U | ug/kg | NO |
| Pentachlorophenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1100 | U | ug/kg | NO |
| Pentachlorophenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1000 | U | ug/kg | NO |
| Phenanthrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Phenanthrene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Phenanthrene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Phenanthrene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Phenanthrene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Phenanthrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Phenanthrene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Phenanthrene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 92 | U | ug/kg | NA |
| Phenanthrene | AFP-B-C-4-SP | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 92 | U | ug/kg | NA |
| Phenanthrene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 91 | U | ug/kg | NA |
| Phenanthrene | AFP-B-C-5-SP | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 91 | U | ug/kg | NA |
| Phenanthrene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 89 | U | ug/kg | NA |
| Phenanthrene | AFP-B-C-7-SP | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 89 | U | ug/kg | NA |
| Phenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Phenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Phenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Phenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Phenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Phenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Phenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Plutonium-238 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.2 | UJ | pci/g | NO |
| Plutonium-238 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 0.6 | U | pCi/g | NO |
| Plutonium-238 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |

000048

## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Plutonium-238 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.6 | UJ | pci/g | NO |
| Plutonium-238 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | U | pci/g | NO |
| Plutonium-238 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.2 | UJ | pci/g | NO |
| Plutonium-238 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.2 | UJ | pCi/g | NO |
| Plutonium-238 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.2 | UJ | pci/g | NO |
| Plutonium-238 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.2 | UJ | pci/g | NO |
| Plutonium-238 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.2 | UJ | pci/g | NO |
| Plutonium-238 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.044 | UJ | pci/g | NO |
| Plutonium-238 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 0.207 | U | pci/g | NO |
| Plutonium-238 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 0.2 | U | pci/g | NO |
| Plutonium-238 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 0.2 | U | pci/g | NO |
| Plutonium-239/240 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.5 | J | pci/g | NO |
| Plutonium-239/240 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 0.6 | U | pCi/g | NO |
| Plutonium-239/240 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |

000049

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Plutonium-239/240 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NO |
| Plutonium-239/240 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NO |
| Plutonium-239/240 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.6 | UJ | pci/g | NO |
| Plutonium-239/240 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.6 | UJ | pci/g | NO |
| Plutonium-239/240 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Plutonium-239/240 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Plutonium-239/240 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.6 | UJ | pci/g | NO |
| Plutonium-239/240 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | U | pci/g | NO |
| Plutonium-239/240 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.2 | UJ | pci/g | NO |
| Plutonium-239/240 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.2 | UJ | pCi/g | NO |
| Plutonium-239/240 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.5 | J | pci/g | NO |
| Plutonium-239/240 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.6 | J | pci/g | NO |
| Plutonium-239/240 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.2 | UJ | pci/g | NO |
| Plutonium-239/240 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.049 | UJ | pci/g | NO |
| Plutonium-239/240 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 0.2 | U | pci/g | NO |
| Plutonium-239/240 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 0.2 | U | pci/g | NO |
| Plutonium-239/240 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 0.2 | U | pci/g | NO |
| Plutonium-241 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.335 | - | pci/g | NA |
| Plutonium-241 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.868 | - | pci/g | NA |
| p-Methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| p-Methylphenol | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NO |
| p-Methylphenol | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NO |
| p-Methylphenol | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | UJ | ug/kg | NO |
| p-Methylphenol | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| p-Methylphenol | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NO |
| p-Methylphenol | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NO |
| Potassium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 636 | - | mg/kg | NA |
| Potassium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 990 | - | mg/kg | NA |
| Potassium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 671 | - | mg/kg | NA |
| Potassium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 1300 | - | mg/kg | NA |
| Potassium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 645 | - | mg/kg | NA |
| Potassium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 636 | - | mg/kg | NA |
| Potassium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 824 | - | mg/kg | NA |
| Potassium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 2480 | - | mg/kg | NA |
| Potassium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 2170 | - | mg/kg | NA |
| Pyrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Pyrene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 400 | U | ug/kg | NA |
| Pyrene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 400 | U | ug/kg | NA |
| Pyrene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 390 | U | ug/kg | NA |
| Pyrene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 380 | U | ug/kg | NA |
| Pyrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 420 | U | ug/kg | NA |
| Pyrene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 410 | U | ug/kg | NA |
| Radium-226 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1.22 | J | pci/g | NO |
| Radium-226 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1 | J | pci/g | NO |
| Radium-226 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 1 | J | pci/g | NO |
| Radium-226 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 1 | J | pci/g | NO |
| Radium-226 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 1.2 | - | pCi/g | NO |
| Radium-226 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 1.4 | J | pci/g | NO |
| Radium-226 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.4 | J | pci/g | NO |
| Radium-226 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 1 | J | pci/g | NO |
| Radium-226 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.5 | J | pci/g | NO |
| Radium-226 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.3 | UJ | pci/g | NO |
| Radium-226 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.8 | J | pci/g | NO |
| Radium-226 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | J | pci/g | NO |
| Radium-226 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.5 | J | pci/g | NO |
| Radium-226 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.4 | J | pci/g | NO |
| Radium-226 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.3 | UJ | pci/g | NO |
| Radium-226 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.7 | J | pci/g | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.372 | J | pci/g | NO |
| Radium-226 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.75 | J | pci/g | NO |
| Radium-226 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.5 | J | pci/g | NO |
| Radium-226 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.48 | J | pci/g | NO |
| Radium-226 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.489 | J | pci/g | NO |
| Radium-226 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.597 | J | pci/g | NO |
| Radium-226 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1.22 | J | pci/g | NO |
| Radium-226 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.4 | J | pci/g | NO |
| Radium-226 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.5 | J | pCi/g | NO |
| Radium-226 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1 | J | pci/g | NO |
| Radium-226 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.7 | J | pci/g | NO |
| Radium-226 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.996 | - | pci/g | NO |
| Radium-226 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 1.309 | J | pci/g | NO |
| Radium-226 | A1PII-S1-01-01R | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.958 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-01R-D | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.925 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-02R | A1PII-S1-01-02 | 0 | 0.5 | 478250 | 1349726 | 1.05 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-02R | A1PII-S1-01-02 | | | 478250 | 1349726 | 1.05 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-04R | A1PII-S1-01-04 | 0 | 0.5 | 478251 | 1349842 | 1.25 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-04R | A1PII-S1-01-04 | | | 478251 | 1349842 | 1.25 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-06R | A1PII-S1-01-06 | 0 | 0.5 | 478180 | 1349913 | 0.969 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-06R | A1PII-S1-01-06 | | | 478180 | 1349913 | 0.969 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.86 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-13R | A1PII-S1-01-13 | 0 | 0.5 | 478242 | 1349658 | 0.86 | - | pci/g | NO |
| Radium-226 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.86 | - | pci/g | NO |
| Radium-226 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 1.2 | J | pci/g | NO |
| Radium-226 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 1.2 | J | pci/g | NO |
| Radium-226 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 0.69 | J | pci/g | NO |
| Radium-226 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 0.69 | J | pci/g | NO |
| Radium-226 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 1.1 | J | pci/g | NO |
| Radium-226 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 1.1 | J | pci/g | NO |
| Radium-226 | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.72 | 1348477.33 | 1.7 | 10.8 | NV | pCi/g |
| Radium-226 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 1.7 | 10.7 | NV | pCi/g |
| Radium-226 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 1.7 | 7.9 | NV | pCi/g |
| Radium-226 | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.07 | 1348464.69 | 1.7 | 5.8 | NV | pCi/g |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-226 | SL-25-019 | CIS_SYSGEN_4 | 0.16 | 0.5 | 477013.56 | 1348483.16 | 1.7 | 3.5 | NV | pCi/g |
| Radium-226 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 1.7 | 2.9 | NV | pCi/g |
| Radium-226 | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.72 | 1348477.33 | 1.7 | 10.2 | NV | pCi/g |
| Radium-226 | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.07 | 1348464.69 | 1.7 | 6.6 | NV | pCi/g |
| Radium-226 | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.56 | 1348483.16 | 1.7 | 3.1 | NV | pCi/g |
| Radium-226 | SS-25-021 | CIS_SYSGEN_3 | 0.5 | 1 | 476994.4 | 1348488.64 | 1.7 | 2.3 | NV | pCi/g |
| Radium-228 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1.08 | J | pci/g | NO |
| Radium-228 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.8 | - | pci/g | NO |
| Radium-228 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 1.1 | - | pci/g | NO |
| Radium-228 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 0.8 | - | pci/g | NO |
| Radium-228 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 0.9 | - | pCi/g | NO |
| Radium-228 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 1.1 | J | pci/g | NO |
| Radium-228 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.7 | J | pci/g | NO |
| Radium-228 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.7 | J | pci/g | NO |
| Radium-228 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.9 | J | pci/g | NO |
| Radium-228 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.73 | J | pci/g | NO |
| Radium-228 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.5 | UJ | pci/g | NO |
| Radium-228 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1.08 | J | pci/g | NO |
| Radium-228 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.5 | U | pci/g | NO |
| Radium-228 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.5 | U | pCi/g | NO |
| Radium-228 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.8 | - | pci/g | NO |
| Radium-228 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.5 | U | pci/g | NO |
| Radium-228 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.955 | - | pci/g | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Radium-228 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 1.286 | J | pci/g | NO |
| Radium-228 | A1PII-S1-01-01R | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.844 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-01R-D | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.813 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-02R | A1PII-S1-01-02 | 0 | 0.5 | 478250 | 1349726 | 0.904 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-02R | A1PII-S1-01-02 | | | 478250 | 1349726 | 0.904 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-04R | A1PII-S1-01-04 | 0 | 0.5 | 478251 | 1349842 | 1.08 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-04R | A1PII-S1-01-04 | | | 478251 | 1349842 | 1.08 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-06R | A1PII-S1-01-06 | 0 | 0.5 | 478180 | 1349913 | 0.888 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-06R | A1PII-S1-01-06 | | | 478180 | 1349913 | 0.888 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.717 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-13R | A1PII-S1-01-13 | 0 | 0.5 | 478242 | 1349658 | 0.717 | - | pci/g | NO |
| Radium-228 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.717 | - | pci/g | NO |
| Ruthenium-106 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 1.3 | UJ | pci/g | NA |
| Ruthenium-106 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 1 | U | pCi/g | NA |
| Ruthenium-106 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 1 | UJ | pci/g | NA |
| Ruthenium-106 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1 | UJ | pci/g | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Ruthenium-106 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 1 | U | pci/g | NA |
| Ruthenium-106 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 1 | U | pci/g | NA |
| Selenium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.52 | J | mg/kg | NO |
| Selenium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.51 | J | mg/kg | NO |
| Selenium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.52 | J | mg/kg | NO |
| Selenium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.8 | J | mg/kg | NO |
| Selenium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.64 | U | mg/kg | NO |
| Selenium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.84 | - | mg/kg | NO |
| Silicon | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1300 | J | mg/kg | NA |
| Silicon | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 239 | J | mg/kg | NA |
| Silicon | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1130 | J | mg/kg | NA |
| Silicon | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 827 | J | mg/kg | NA |
| Silicon | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 235 | J | mg/kg | NA |
| Silicon | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1300 | J | mg/kg | NA |
| Silicon | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 679 | J | mg/kg | NA |
| Silicon | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 88.5 | J | mg/kg | NA |
| Silicon | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 50.5 | J | mg/kg | NA |
| Silver | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.51 | U | mg/kg | NO |
| Silver | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 0.49 | UJ | mg/kg | NO |
| Silver | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.47 | U | mg/kg | NO |
| Silver | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.47 | - | mg/kg | NO |
| Silver | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 0.46 | UJ | mg/kg | NO |
| Silver | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.51 | U | mg/kg | NO |
| Silver | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.49 | U | mg/kg | NO |
| Silver | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.06 | U | mg/kg | NO |
| Silver | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.05 | UJ | mg/kg | NO |
| Sodium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 34.7 | U | mg/kg | NA |
| Sodium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 78 | - | mg/kg | NA |
| Sodium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 32.5 | U | mg/kg | NA |
| Sodium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 33.2 | U | mg/kg | NA |
| Sodium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 31.2 | U | mg/kg | NA |
| Sodium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 34.7 | U | mg/kg | NA |
| Sodium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 66 | - | mg/kg | NA |
| Sodium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 103 | - | mg/kg | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 87.8 | - | mg/kg | NA |
| Strontium-90 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.5 | U | pci/g | NO |
| Strontium-90 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 1.2 | - | pci/g | NO |
| Strontium-90 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 1.1 | - | pci/g | NO |
| Strontium-90 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 0.5 | U | pCi/g | NO |
| Strontium-90 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.5 | U | pci/g | NO |
| Strontium-90 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.5 | U | pci/g | NO |
| Strontium-90 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.5 | U | pci/g | NO |
| Strontium-90 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.5 | U | pci/g | NO |
| Strontium-90 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.5 | U | pci/g | NO |
| Strontium-90 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.6 | J | pci/g | NO |
| Strontium-90 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.5 | U | pci/g | NO |
| Strontium-90 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.5 | U | pci/g | NO |
| Strontium-90 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.5 | U | pci/g | NO |
| Strontium-90 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.8 | - | pci/g | NO |
| Strontium-90 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.5 | U | pci/g | NO |
| Strontium-90 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.5 | U | pci/g | NO |
| Strontium-90 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.5 | U | pci/g | NO |
| Strontium-90 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.6 | UJ | pCi/g | NO |
| Strontium-90 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.5 | UJ | pci/g | NO |
| Strontium-90 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.015 | UJ | pci/g | NO |
| Strontium-90 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.018 | UJ | pci/g | NO |
| Strontium-90 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 0.5 | U | pci/g | NO |
| Strontium-90 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 0.5 | U | pci/g | NO |
| Strontium-90 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 0.5 | U | pci/g | NO |
| Styrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| Styrene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Styrene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| Styrene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| Styrene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| Styrene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NA |
| Styrene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| Styrene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| Styrene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| Technetium-99 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1 | U | pci/g | NO |
| Technetium-99 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1 | U | pci/g | NO |
| Technetium-99 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 1 | U | pci/g | NO |
| Technetium-99 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 1 | U | pci/g | NO |
| Technetium-99 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 1 | UJ | pCi/g | NO |
| Technetium-99 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 1 | U | pci/g | NO |
| Technetium-99 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 1 | U | pci/g | NO |
| Technetium-99 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 1 | UJ | pci/g | NO |
| Technetium-99 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 1 | UJ | pci/g | NO |
| Technetium-99 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 1 | UJ | pci/g | NO |
| Technetium-99 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 1 | UJ | pci/g | NO |
| Technetium-99 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 1 | UJ | pci/g | NO |
| Technetium-99 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 1 | U | pci/g | NO |
| Technetium-99 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 1 | U | pci/g | NO |
| Technetium-99 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 1 | U | pci/g | NO |
| Technetium-99 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 1 | U | pci/g | NO |
| Technetium-99 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 1 | UJ | pci/g | NO |
| Technetium-99 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.9 | U | pci/g | NO |
| Technetium-99 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.9 | U | pci/g | NO |
| Technetium-99 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 1 | U | pci/g | NO |
| Technetium-99 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 1 | U | pci/g | NO |
| Technetium-99 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 1.1 | U | pci/g | NO |
| Technetium-99 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 1 | UJ | pci/g | NO |
| Technetium-99 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 1.1 | U | pci/g | NO |
| Technetium-99 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 1 | U | pci/g | NO |
| Technetium-99 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1 | U | pci/g | NO |
| Technetium-99 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1 | UJ | pci/g | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Technetium-99 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 1 | UJ | pCi/g | NO |
| Technetium-99 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 1 | U | pci/g | NO |
| Technetium-99 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1 | U | pci/g | NO |
| Technetium-99 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.076 | J | pci/g | NO |
| Technetium-99 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.012 | U | pci/g | NO |
| Technetium-99 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | -0.047 | UJ | pci/g | NO |
| Technetium-99 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 1.2 | UJ | pci/g | NO |
| Technetium-99 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 0.17 | UJ | pci/g | NO |
| Technetium-99 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 1.2 | UJ | pci/g | NO |
| Technetium-99 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 0.44 | UJ | pci/g | NO |
| Technetium-99 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 1.5 | UJ | pci/g | NO |
| Technetium-99 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 1.4 | U | pci/g | NO |
| Technetium-99 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 1.3 | U | pci/g | NO |
| Technetium-99 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 1.3 | U | pci/g | NO |
| Tetrachloroethene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Tetrachloroethene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Tetrachloroethene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Tetrachloroethene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Tetrachloroethene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Tetrachloroethene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NO |
| Tetrachloroethene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Tetrachloroethene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Tetrachloroethene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 3 | J | ug/kg | NO |
| Thallium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.25 | U | mg/kg | NO |
| Thallium | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 0.24 | U | mg/kg | NO |
| Thallium | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.24 | U | mg/kg | NO |
| Thallium | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.24 | U | mg/kg | NO |
| Thallium | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 0.23 | U | mg/kg | NO |
| Thallium | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.25 | U | mg/kg | NO |
| Thallium | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.25 | U | mg/kg | NO |
| Thallium | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.39 | - | mg/kg | NO |
| Thallium | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.21 | - | mg/kg | NO |
| Thorium, Total | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 5.13 | J | mg/kg | NA |
| Thorium, Total | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 3.7 | J | mg/kg | NA |

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TABLE 2-2
A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Thorium, Total | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 38.3 | - | mg/kg | NA |
| Thorium, Total | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 5.67 | - | mg/kg | NA |
| Thorium, Total | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 2.25 | - | mg/kg | NA |
| Thorium, Total | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 1.38 | J | mg/kg | NA |
| Thorium, Total | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 4.85 | J | mg/kg | NA |
| Thorium, Total | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 2.46 | J | mg/kg | NA |
| Thorium, Total | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 2.01 | - | mg/kg | NA |
| Thorium, Total | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 5.13 | J | mg/kg | NA |
| Thorium, Total | 033610 | 2399 | | | 477343.94 | 1350079.81 | 1.98 | - | mg/kg | NA |
| Thorium-228 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.989 | J | pci/g | NO |
| Thorium-228 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.6 | - | pci/g | NO |
| Thorium-228 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 1.7 | - | pci/g | NO |
| Thorium-228 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 1 | - | pci/g | NO |
| Thorium-228 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 1.1 | - | pCi/g | NO |
| Thorium-228 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 0.9 | - | pci/g | NO |
| Thorium-228 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |
| Thorium-228 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 1.2 | - | pci/g | NO |
| Thorium-228 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Thorium-228 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Thorium-228 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.9 | - | pci/g | NO |
| Thorium-228 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Thorium-228 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Thorium-228 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | UJ | pci/g | NO |
| Thorium-228 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | UJ | pci/g | NO |
| Thorium-228 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.6 | - | pci/g | NO |
| Thorium-228 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NO |
| Thorium-228 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.749 | - | pci/g | NO |
| Thorium-228 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.62 | - | pci/g | NO |
| Thorium-228 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NO |
| Thorium-228 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Thorium-228 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 0.851 | J | pci/g | NO |
| Thorium-228 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.6 | UJ | pci/g | NO |
| Thorium-228 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.989 | J | pci/g | NO |
| Thorium-228 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.7 | J | pci/g | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Thorium-228 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.8 | J | pCi/g | NO |
| Thorium-228 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.6 | - | pci/g | NO |
| Thorium-228 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.6 | - | pci/g | NO |
| Thorium-228 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.939 | J | pci/g | NO |
| Thorium-228 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 1.401 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-01R | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.839 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-01R-D | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.785 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-02R | A1PII-S1-01-02 | 0 | 0.5 | 478250 | 1349726 | 0.83 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-02R | A1PII-S1-01-02 | | | 478250 | 1349726 | 0.83 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-04R | A1PII-S1-01-04 | 0 | 0.5 | 478251 | 1349842 | 1.09 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-04R | A1PII-S1-01-04 | | | 478251 | 1349842 | 1.09 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-06R | A1PII-S1-01-06 | 0 | 0.5 | 478180 | 1349913 | 0.863 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-06R | A1PII-S1-01-06 | | | 478180 | 1349913 | 0.863 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.691 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-13R | A1PII-S1-01-13 | 0 | 0.5 | 478242 | 1349658 | 0.691 | - | pci/g | NO |
| Thorium-228 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.691 | - | pci/g | NO |
| Thorium-228 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 1.403 | J | pci/g | NO |
| Thorium-228 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 0.2559 | J | pci/g | NO |
| Thorium-230 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1.21 | J | pci/g | NO |
| Thorium-230 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.7 | - | pci/g | NO |
| Thorium-230 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 2.1 | - | pci/g | NO |
| Thorium-230 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 2.1 | - | pci/g | NO |
| Thorium-230 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 2.2 | - | pCi/g | NO |
| Thorium-230 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 2.3 | - | pci/g | NO |
| Thorium-230 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 1 | - | pci/g | NO |
| Thorium-230 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 1.7 | - | pci/g | NO |
| Thorium-230 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 1.3 | - | pci/g | NO |
| Thorium-230 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Thorium-230 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 2.3 | - | pci/g | NO |
| Thorium-230 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | - | pci/g | NO |
| Thorium-230 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 1.1 | - | pci/g | NO |
| Thorium-230 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.7 | J | pci/g | NO |
| Thorium-230 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.7 | J | pci/g | NO |
| Thorium-230 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.9 | - | pci/g | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Thorium-230 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NO |
| Thorium-230 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NO |
| Thorium-230 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.998 | - | pci/g | NO |
| Thorium-230 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NO |
| Thorium-230 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.807 | - | pci/g | NO |
| Thorium-230 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Thorium-230 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 0.999 | J | pci/g | NO |
| Thorium-230 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.6 | UJ | pci/g | NO |
| Thorium-230 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.6 | U | pci/g | NO |
| Thorium-230 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 1.21 | J | pci/g | NO |
| Thorium-230 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.9 | J | pci/g | NO |
| Thorium-230 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 1.7 | J | pCi/g | NO |
| Thorium-230 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.7 | - | pci/g | NO |
| Thorium-230 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.8 | - | pci/g | NO |
| Thorium-230 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 1.8 | - | pci/g | NO |
| Thorium-230 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 1.531 | J | pci/g | NO |
| Thorium-230 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 0.81 | J | pci/g | NO |
| Thorium-230 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 0.81 | J | pci/g | NO |
| Thorium-230 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 1.1 | J | pci/g | NO |
| Thorium-230 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 1.1 | J | pci/g | NO |
| Thorium-230 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 1.4 | J | pci/g | NO |
| Thorium-230 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 1.4 | J | pci/g | NO |
| Thorium-230 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 14.8348 | J | pci/g | NO |
| Thorium-230 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 1.3081 | J | pci/g | NO |
| Thorium-232 | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | UJ | pci/g | NO |
| Thorium-232 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.5 | J | pci/g | NO |
| Thorium-232 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 1.5 | - | pci/g | NO |
| Thorium-232 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 1.1 | - | pci/g | NO |
| Thorium-232 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 1 | - | pCi/g | NO |
| Thorium-232 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 1 | - | pci/g | NO |
| Thorium-232 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | U | pci/g | NO |
| Thorium-232 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.9 | - | pci/g | NO |
| Thorium-232 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |
| Thorium-232 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | U | pci/g | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Thorium-232 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 1 | - | pci/g | NO |
| Thorium-232 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Thorium-232 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | U | pci/g | NO |
| Thorium-232 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | UJ | pci/g | NO |
| Thorium-232 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | UJ | pci/g | NO |
| Thorium-232 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.8 | - | pci/g | NO |
| Thorium-232 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NO |
| Thorium-232 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NO |
| Thorium-232 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.628 | - | pci/g | NO |
| Thorium-232 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NO |
| Thorium-232 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Thorium-232 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NO |
| Thorium-232 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.6 | UJ | pci/g | NO |
| Thorium-232 | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 0.6 | U | pci/g | NO |
| Thorium-232 | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 0.6 | UJ | pci/g | NO |
| Thorium-232 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.6 | J | pci/g | NO |
| Thorium-232 | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 0.7 | J | pCi/g | NO |
| Thorium-232 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.5 | J | pci/g | NO |
| Thorium-232 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.7 | J | pci/g | NO |
| Thorium-232 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 1.11 | - | pci/g | NO |
| Thorium-232 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 1.146 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-01R | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.844 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-01R-D | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.813 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-02R | A1PII-S1-01-02 | 0 | 0.5 | 478250 | 1349726 | 0.904 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-02R | A1PII-S1-01-02 | | | 478250 | 1349726 | 0.904 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-04R | A1PII-S1-01-04 | 0 | 0.5 | 478251 | 1349842 | 1.08 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-04R | A1PII-S1-01-04 | | | 478251 | 1349842 | 1.08 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-06R | A1PII-S1-01-06 | 0 | 0.5 | 478180 | 1349913 | 0.888 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-06R | A1PII-S1-01-06 | | | 478180 | 1349913 | 0.888 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.717 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-13R | A1PII-S1-01-13 | 0 | 0.5 | 478242 | 1349658 | 0.717 | - | pci/g | NO |
| Thorium-232 | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 0.717 | - | pci/g | NO |
| Thorium-232 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 0.86 | J | pci/g | NO |
| Thorium-232 | AFP-B-C-4-R | AFP-B-4 | 1 | 1.5 | 477044.99 | 1348490 | 0.86 | J | pci/g | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Thorium-232 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 0.34 | J | pci/g | NO |
| Thorium-232 | AFP-B-C-5-R | AFP-B-5 | 1 | 1.5 | 477021.52 | 1348521.61 | 0.34 | J | pci/g | NO |
| Thorium-232 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 0.6 | J | pci/g | NO |
| Thorium-232 | AFP-B-C-7-R | AFP-B-7 | 1 | 1.5 | 477039.99 | 1348574 | 0.6 | J | pci/g | NO |
| Thorium-232 | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.72 | 1348477.33 | 1.5 | 5.5 | UNV | pCi/g |
| Thorium-232 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 1.3676 | J | pci/g | NO |
| Thorium-232 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.07 | 1348464.69 | 1.5 | 6 | UNV | pCi/g |
| Thorium-232 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 0.2204 | J | pci/g | NO |
| Thorium-232 | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.72 | 1348477.33 | 1.5 | 1.6 | NV | pCi/g |
| Thorium-232 | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.07 | 1348464.69 | 1.5 | 5.3 | UNV | pCi/g |
| Thorium-232 | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.56 | 1348483.16 | 1.5 | 4.7 | UNV | pCi/g |
| Toluene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Toluene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Toluene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Toluene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Toluene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Toluene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NO |
| Toluene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Toluene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Toluene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Total Organic Carbon | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 19000 | U | mg/kg | NA |
| Total Organic Carbon | 200097341 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 56200 | J | mg/kg | NA |
| Total Organic Carbon | 200097342 | 11372 | 2 | 2.5 | 478106.92 | 1349859.68 | 2740 | J | mg/kg | NA |
| Toxaphene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 220 | UJ | ug/kg | NA |
| Toxaphene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 210 | U | ug/kg | NA |
| Toxaphene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 200 | UJ | ug/kg | NA |
| Toxaphene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 400 | U | ug/kg | NA |
| Toxaphene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 220 | UJ | ug/kg | NA |
| trans-1,3-Dichloropropene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| trans-1,3-Dichloropropene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NA |
| trans-1,3-Dichloropropene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NA |
| trans-1,3-Dichloropropene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NA |
| trans-1,3-Dichloropropene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NA |
| trans-1,3-Dichloropropene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| trans-1,3-Dichloropropene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NA |
| trans-1,3-Dichloropropene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NA |
| trans-1,3-Dichloropropene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NA |
| Trichloroethene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Trichloroethene | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Trichloroethene | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Trichloroethene | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Trichloroethene | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Trichloroethene | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | U | ug/kg | NO |
| Trichloroethene | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Trichloroethene | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Trichloroethene | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 2 | J | ug/kg | NO |
| Uranium, Total | 32935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 9.5 | J | mg/kg | NO |
| Uranium, Total | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.899563 | J | mg/kg | NO |
| Uranium, Total | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 9.295488 | J | mg/kg | NO |
| Uranium, Total | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 14.09316 | J | mg/kg | NO |
| Uranium, Total | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 30.58515 | - | mg/kg | NO |
| Uranium, Total | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 18.89083 | J | mg/kg | NO |
| Uranium, Total | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 1.799127 | UJ | mg/kg | NO |
| Uranium, Total | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 2.098981 | J | mg/kg | NO |
| Uranium, Total | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 1.799127 | UJ | mg/kg | NO |
| Uranium, Total | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 1.799127 | J | mg/kg | NO |
| Uranium, Total | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 2.998544 | J | mg/kg | NO |
| Uranium, Total | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 1.799127 | UJ | mg/kg | NO |
| Uranium, Total | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 1.799127 | UJ | mg/kg | NO |
| Uranium, Total | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 1.799127 | U | mg/kg | NO |
| Uranium, Total | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 1.799127 | U | mg/kg | NO |
| Uranium, Total | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 2.398836 | - | mg/kg | NO |
| Uranium, Total | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 1.799127 | U | mg/kg | NO |
| Uranium, Total | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 1.46 | J | mg/kg | NO |
| Uranium, Total | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 2.176943 | - | mg/kg | NO |
| Uranium, Total | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 1.799127 | U | mg/kg | NO |
| Uranium, Total | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 5.787191 | J | mg/kg | NO |
| Uranium, Total | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 9.205531 | J | mg/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium, Total | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 2.197933 | J | mg/kg | NO |
| Uranium, Total | 032890 | 3390 | 125 | 126.5 | 476570.05 | 1348412.59 | 1.79 | J | mg/kg | NO |
| Uranium, Total | 032935 | 2397 | 0 | 1.5 | 478300.02 | 1349526.06 | 9.5 | J | mg/kg | NO |
| Uranium, Total | 033497 | 2998 | | | 476623.73 | 1349926.65 | 9.45 | J | mg/kg | NO |
| Uranium, Total | 033530 | 2398 | | | 476618.7 | 1349877 | 1.23 | J | mg/kg | NO |
| Uranium, Total | 033611 | 2399 | | | 477343.94 | 1350079.81 | 5.54 | J | mg/kg | NO |
| Uranium, Total | 098001 | 1407 | 0.5 | 1 | 476755.84 | 1348142.03 | 6 | - | mg/kg | NO |
| Uranium, Total | 098002 | 1407 | 1.5 | 2 | 476755.84 | 1348142.03 | 5 | - | mg/kg | NO |
| Uranium, Total | 098003 | 1407 | 3 | 3.5 | 476755.84 | 1348142.03 | 3 | - | mg/kg | NO |
| Uranium, Total | 098004 | 1407 | 4.5 | 5 | 476755.84 | 1348142.03 | 4 | - | mg/kg | NO |
| Uranium, Total | 098008 | 1407 | 7.5 | 8 | 476755.84 | 1348142.03 | 5 | - | mg/kg | NO |
| Uranium, Total | 098009 | 1407 | 8 | 8.5 | 476755.84 | 1348142.03 | 1 | - | mg/kg | NO |
| Uranium, Total | 098010 | 1406 | 0 | 0.5 | 477078.75 | 1348699.93 | 7 | - | mg/kg | NO |
| Uranium, Total | 098011 | 1406 | 1.5 | 2 | 477078.75 | 1348699.93 | 4 | - | mg/kg | NO |
| Uranium, Total | 098014 | 1406 | 3.5 | 4 | 477078.75 | 1348699.93 | 7 | - | mg/kg | NO |
| Uranium, Total | 098017 | 1406 | 6 | 6.5 | 477078.75 | 1348699.93 | 8 | - | mg/kg | NO |
| Uranium, Total | 098024 | 1406 | 13.5 | 14 | 477078.75 | 1348699.93 | 7 | - | mg/kg | NO |
| Uranium, Total | 098028 | 1406 | 16.5 | 17 | 477078.75 | 1348699.93 | 4 | - | mg/kg | NO |
| Uranium, Total | 098029 | 1410 | 0 | 0.5 | 476566.1 | 1348155.24 | 1.5 | - | mg/kg | NO |
| Uranium, Total | 098030 | 1410 | 1.5 | 2 | 476566.1 | 1348155.24 | 2.2 | - | mg/kg | NO |
| Uranium, Total | 098032 | 1410 | 3 | 3.5 | 476566.1 | 1348155.24 | 1.8 | - | mg/kg | NO |
| Uranium, Total | 098034 | 1410 | 4.5 | 5 | 476566.1 | 1348155.24 | 2.5 | - | mg/kg | NO |
| Uranium, Total | 098040 | 1410 | 8.5 | 9 | 476566.1 | 1348155.24 | 2.5 | - | mg/kg | NO |
| Uranium, Total | 098047 | 1410 | 12.5 | 13 | 476566.1 | 1348155.24 | 1.5 | - | mg/kg | NO |
| Uranium, Total | 098061 | 1410 | 19.5 | 20 | 476566.1 | 1348155.24 | 2.8 | U | mg/kg | NO |
| Uranium, Total | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 3.898108 | J | mg/kg | NO |
| Uranium, Total | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 58.8 | - | mg/kg | YES |
| Uranium, Total | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.899563 | J | mg/kg | NO |
| Uranium, Total | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 1.199418 | J | mg/kg | NO |
| Uranium, Total | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 1.804 | - | mg/kg | NO |
| Uranium, Total | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 8.883391 | J | mg/kg | NO |
| Uranium, Total | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 1.95 | - | mg/kg | NO |
| Uranium, Total | 92S-14 | 11372 | 0 | 0.17 | 478106.93 | 1349859.74 | 8.678 | - | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-01R | A1PII-S1-01-01 | | | 478323 | 1349668 | 2.06 | UJ | mg/kg | NO |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium, Total | A1PII-S1-01-01R-D | A1PII-S1-01-01 | | | 478323 | 1349668 | 0.039 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-02R | A1PII-S1-01-02 | 0 | 0.5 | 478250 | 1349726 | 8.9 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-02R | A1PII-S1-01-02 | | | 478250 | 1349726 | 4.88 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-04R | A1PII-S1-01-04 | 0 | 0.5 | 478251 | 1349842 | 6.7 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-04R | A1PII-S1-01-04 | | | 478251 | 1349842 | 4.65 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-06R | A1PII-S1-01-06 | 0 | 0.5 | 478180 | 1349913 | 7.1 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-06R | A1PII-S1-01-06 | | | 478180 | 1349913 | 3.03 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 4.48 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-13R | A1PII-S1-01-13 | 0 | 0.5 | 478242 | 1349658 | 5.9 | UJ | mg/kg | NO |
| Uranium, Total | A1PII-S1-01-13R | A1PII-S1-01-13 | | | 478242 | 1349658 | 4.48 | UJ | mg/kg | NO |
| Uranium, Total | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.07 | 1348464.69 | 82 | 88.45706 | UNV | mg/kg |
| Uranium-234 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.2 | J | pci/g | NA |
| Uranium-234 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 3 | - | pci/g | NA |
| Uranium-234 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 4.4 | - | pci/g | NA |
| Uranium-234 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 9.9 | - | pCi/g | NA |
| Uranium-234 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 5 | J | pci/g | NA |
| Uranium-234 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | UJ | pci/g | NA |
| Uranium-234 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 2 | J | pci/g | NA |
| Uranium-234 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NA |
| Uranium-234 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NA |
| Uranium-234 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.9 | J | pci/g | NA |
| Uranium-234 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NA |
| Uranium-234 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NA |
| Uranium-234 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NA |
| Uranium-234 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NA |
| Uranium-234 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.7 | - | pci/g | NA |
| Uranium-234 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NA |
| Uranium-234 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.746 | - | pci/g | NA |
| Uranium-234 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NA |
| Uranium-234 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.709 | - | pci/g | NA |
| Uranium-234 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NA |
| Uranium-234 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 2.52 | J | pci/g | NA |
| Uranium-234 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 2.7 | J | pci/g | NA |
| Uranium-234 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.603 | J | pci/g | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium-234 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1.1 | J | pci/g | NA |
| Uranium-234 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.2 | J | pci/g | NA |
| Uranium-234 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.3 | J | pci/g | NA |
| Uranium-234 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.766 | J | pci/g | NA |
| Uranium-234 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 2.861 | J | pci/g | NA |
| Uranium-234 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.993 | - | pci/g | NA |
| Uranium-234 | 92S-14 | 11372 | 0 | 0.17 | 478106.93 | 1349859.74 | 4.026 | J | pci/g | NA |
| Uranium-234 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 34.8991 | J | pci/g | NA |
| Uranium-234 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 20.7889 | J | pci/g | NA |
| Uranium-235 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.72 | 1348477.33 | 2.4548 | J | pci/g | NA |
| Uranium-235 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.4 | 1348488.64 | 0.8086 | J | pci/g | NA |
| Uranium-235/236 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.1 | UJ | pci/g | NA |
| Uranium-235/236 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 0.6 | U | pCi/g | NA |
| Uranium-235/236 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NA |
| Uranium-235/236 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 0.6 | UJ | pci/g | NA |
| Uranium-235/236 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.6 | UJ | pci/g | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium-235/236 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 0.1 | UJ | pci/g | NA |
| Uranium-235/236 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.1 | UJ | pci/g | NA |
| Uranium-235/236 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.1 | UJ | pci/g | NA |
| Uranium-235/236 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.047 | J | pci/g | NA |
| Uranium-235/236 | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 0.191 | - | pci/g | NA |
| Uranium-235/236 | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.055 | J | pci/g | NA |
| Uranium-235/236 | 92S-14 | 11372 | 0 | 0.17 | 478106.93 | 1349859.74 | 0.156 | J | pci/g | NA |
| Uranium-238 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.3 | J | pci/g | NA |
| Uranium-238 | 005115 | ZONE 3-6 | 0 | 0.16667 | 477029.36 | 1349531.03 | 3.1 | J | pci/g | NA |
| Uranium-238 | 005118 | ZONE 3-16 | 0 | 0.16667 | 478029.37 | 1349531.01 | 4.7 | J | pci/g | NA |
| Uranium-238 | 005517 | ZONE 3-117 | 0 | 0.5 | 479779.37 | 1347781 | 10.2 | - | pCi/g | NA |
| Uranium-238 | 007280 | 2049 | 0 | 1.5 | 477049.86 | 1348603.07 | 6.3 | J | pci/g | NA |
| Uranium-238 | 007293 | 2049 | 40 | 41.5 | 477049.86 | 1348603.07 | 0.6 | UJ | pci/g | NA |
| Uranium-238 | 008705 | 3015 | 7.5 | 9 | 476166.1 | 1348732.42 | 0.7 | J | pci/g | NA |
| Uranium-238 | 008722 | 3015 | 55 | 55.8 | 476166.1 | 1348732.42 | 0.6 | UJ | pci/g | NA |
| Uranium-238 | 008725 | 3015 | 70 | 71.5 | 476166.1 | 1348732.42 | 0.6 | J | pci/g | NA |
| Uranium-238 | 008748 | 3069 | 10.5 | 12 | 476451.52 | 1349244.65 | 1 | J | pci/g | NA |
| Uranium-238 | 008754 | 3069 | 19.5 | 21 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NA |
| Uranium-238 | 008763 | 3069 | 60 | 61.5 | 476451.52 | 1349244.65 | 0.6 | UJ | pci/g | NA |
| Uranium-238 | 010393 | 4014 | 65 | 66.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NA |
| Uranium-238 | 010408 | 4014 | 140 | 141.5 | 476816.12 | 1348113.59 | 0.6 | U | pci/g | NA |
| Uranium-238 | 010566 | 3106 | 9 | 11.5 | 476123.74 | 1348120.7 | 0.8 | - | pci/g | NA |
| Uranium-238 | 010572 | 3106 | 40 | 41.5 | 476123.74 | 1348120.7 | 0.6 | U | pci/g | NA |
| Uranium-238 | 032557 | 2387 | 12 | 13.5 | 477148.47 | 1348972.17 | 0.818 | - | pci/g | NA |
| Uranium-238 | 032562 | 2387 | 20 | 21.5 | 477148.47 | 1348972.17 | 0.6 | U | pci/g | NA |
| Uranium-238 | 032582 | 2386 | 15 | 16.5 | 477663.27 | 1349315 | 0.726 | - | pci/g | NA |
| Uranium-238 | 032594 | 2386 | 60 | 61.5 | 477663.27 | 1349315 | 0.6 | U | pci/g | NA |
| Uranium-238 | 032618 | 2390 | 12 | 13.5 | 476577.39 | 1348407.6 | 1.93 | J | pci/g | NA |
| Uranium-238 | 032802 | 2390 | 50 | 51.5 | 476577.39 | 1348407.6 | 3.07 | J | pci/g | NA |
| Uranium-238 | 032816 | 3387 | 115 | 116.5 | 477146.66 | 1348982.68 | 0.733 | J | pci/g | NA |
| Uranium-238 | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 1.3 | J | pci/g | NA |
| Uranium-238 | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 0.3 | J | pci/g | NA |
| Uranium-238 | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 0.4 | J | pci/g | NA |
| Uranium-238 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 0.835 | J | pci/g | NA |

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## TABLE 2-2
## A2PIII PART ONE HISTORICAL VALIDATED DATA BELOW-FRL

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Xylenes, Total | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Xylenes, Total | 103199 | 3398 | | | 476615.3 | 1349865 | 7 | U | ug/kg | NO |
| Xylenes, Total | 104450 | 2166 | | | 476553.3 | 1349637 | 16 | U | ug/kg | NO |
| Xylenes, Total | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 12 | U | ug/kg | NO |
| Xylenes, Total | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 12 | UJ | ug/kg | NO |
| Xylenes, Total | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 12 | UJ | ug/kg | NO |
| Xylenes, Total | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 11 | UJ | ug/kg | NO |
| Xylenes, Total | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 13 | UJ | ug/kg | NO |
| Xylenes, Total | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 12 | UJ | ug/kg | NO |
| Zinc | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 40.3 | - | mg/kg | NO |
| Zinc | 121018 | 500318/SS-45 | 0 | 0.5 | 476603.21 | 1348502.72 | 55.2 | J | mg/kg | NO |
| Zinc | 121022 | 500318/SS-43 | 0 | 0.5 | 477045.59 | 1349219.59 | 63.1 | - | mg/kg | NO |
| Zinc | 121036 | 500318/SS-34 | 0 | 0.5 | 479260.22 | 1347238.3 | 55.8 | U | mg/kg | NO |
| Zinc | 121067 | 500318/SS-44 | 0 | 0.5 | 476846.41 | 1348466.28 | 42.3 | J | mg/kg | NO |
| Zinc | 121070 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 40.3 | - | mg/kg | NO |
| Zinc | 121073 | 500318/SS-46 | 0 | 0.5 | 477381.11 | 1349441.46 | 52.8 | - | mg/kg | NO |
| Zinc | 200071 | 11372 | 0 | 0.17 | 478106.92 | 1349859.68 | 43.8 | J | mg/kg | NO |
| Zinc | 200072 | 11372 | 2 | 2.5 | 478106.93 | 1349859.74 | 61.6 | J | mg/kg | NO |

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## TABLE 2-3
## A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | A1PII-S1-01-01M | A1PII-S1-01-01 | | | 478323 | 1349668 | 4.4 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-01M-D | A1PII-S1-01-01 | | | 478323 | 1349668 | 3.7 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-02M | A1PII-S1-01-02 | 0 | 0.5 | 478250 | 1349726 | 2.2 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-02M | A1PII-S1-01-02 | | | 478250 | 1349726 | 2.2 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-04M | A1PII-S1-01-04 | 0 | 0.5 | 478251 | 1349842 | 4.9 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-04M | A1PII-S1-01-04 | | | 478251 | 1349842 | 4.9 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-06M | A1PII-S1-01-06 | 0 | 0.5 | 478180 | 1349913 | 6.5 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-06M | A1PII-S1-01-06 | | | 478180 | 1349913 | 6.5 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-13M | A1PII-S1-01-13 | | | 478242 | 1349658 | 6.6 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-13M | A1PII-S1-01-13 | 0 | 0.5 | 478242 | 1349658 | 6.6 | NV | mg/kg | NO |
| Arsenic | A1PII-S1-01-13M | A1PII-S1-01-13 | | | 478242 | 1349658 | 6.6 | NV | mg/kg | NO |
| Cesium-137 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.2 | UNV | pci/g | NO |
| Cesium-137 | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.719 | 1348477.33 | 1.2 | UNV | pci/g | NO |
| Cesium-137 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.719 | 1348477.33 | 1.3 | UNV | pci/g | NO |
| Cesium-137 | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.069 | 1348464.69 | 0.8 | UNV | pci/g | NO |
| Cesium-137 | SL-25-019 | CIS_SYSGEN_4 | 0.16 | 0.5 | 477013.559 | 1348483.16 | 1 | UNV | pci/g | NO |
| Cesium-137 | SL-25-020 | CIS_SYSGEN_4 | 0.5 | 1 | 477013.559 | 1348483.16 | 0.6 | UNV | pci/g | NO |
| Cesium-137 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.399 | 1348488.64 | 0.67015 | NV | pci/g | NO |
| Cesium-137 | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.719 | 1348477.33 | 0.4 | UNV | pci/g | NO |
| Cesium-137 | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.069 | 1348464.69 | 0.6 | UNV | pci/g | NO |
| Cesium-137 | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.559 | 1348483.16 | 0.4 | NV | pci/g | NO |
| Cesium-137 | SS-25-021 | CIS_SYSGEN_3 | 0.5 | 1 | 476994.399 | 1348488.64 | 0.3 | UNV | pci/g | NO |
| Gross Alpha | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 15.4 | NV | pci/g | NA |
| Gross Alpha | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.588 | 1349219.59 | 13 | NV | pci/g | NA |
| Gross Alpha | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.215 | 1347238.3 | 27.9 | NV | pCi/g | NA |
| Gross Alpha | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 15.4 | NV | pci/g | NA |
| Gross Alpha | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.114 | 1349441.46 | 5.1 | NV | pci/g | NA |
| Gross Alpha | 200071 | 11372 | 0 | 0.17 | 478106.921 | 1349859.68 | 12 | NV | pci/g | NA |
| Gross Alpha | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 6.6 | UNV | pci/g | NA |
| Gross Beta | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 31.8 | NV | pci/g | NA |
| Gross Beta | 121026 | 500318/SS-43 | 0 | 0.5 | 477045.588 | 1349219.59 | 26.8 | NV | pci/g | NA |
| Gross Beta | 121041 | 500318/SS-34 | 0 | 0.5 | 479260.215 | 1347238.3 | 52.1 | NV | pCi/g | NA |
| Gross Beta | 121072 | 500318/SS-47 | 0 | 0.5 | 478001.32 | 1349422.67 | 31.8 | NV | pci/g | NA |
| Gross Beta | 121075 | 500318/SS-46 | 0 | 0.5 | 477381.114 | 1349441.46 | 32.2 | NV | pci/g | NA |

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## TABLE 2-3
## A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Beta | 200071 | 11372 | 0 | 0.17 | 478106.921 | 1349859.68 | 17 | UNV | pci/g | NA |
| Gross Beta | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 14 | NV | pci/g | NA |
| Neptunium-237 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NO |
| Neptunium-237 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.719 | 1348477.33 | 0.2 | UNV | pci/g | NO |
| Plutonium-238 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NO |
| Plutonium-239/240 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NO |
| Radium-226 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.4 | NV | pci/g | NO |
| Radium-226 | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.719 | 1348477.33 | 10.8 | NV | pci/g | YES |
| Radium-226 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.719 | 1348477.33 | 10.7 | NV | pci/g | YES |
| Radium-226 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.069 | 1348464.69 | 7.9 | NV | pci/g | YES |
| Radium-226 | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.069 | 1348464.69 | 5.8 | NV | pci/g | YES |
| Radium-226 | SL-25-019 | CIS_SYSGEN_4 | 0.16 | 0.5 | 477013.559 | 1348483.16 | 3.5 | NV | pci/g | YES |
| Radium-226 | SL-25-020 | CIS_SYSGEN_4 | 0.5 | 1 | 477013.559 | 1348483.16 | 0.8 | NV | pci/g | NO |
| Radium-226 | SL-25-022 | CIS_SYSGEN_3 | 0.17 | 0.5 | 476994.399 | 1348488.64 | 2.9 | NV | pci/g | YES |
| Radium-226 | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.719 | 1348477.33 | 10.2 | NV | pci/g | YES |
| Radium-226 | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.069 | 1348464.69 | 6.6 | NV | pci/g | YES |
| Radium-226 | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.559 | 1348483.16 | 3.1 | NV | pci/g | YES |
| Radium-226 | SS-25-021 | CIS_SYSGEN_3 | 0.5 | 1 | 476994.399 | 1348488.64 | 2.3 | NV | pci/g | YES |
| Radium-228 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.5 | UNV | pci/g | NO |
| Ruthenium-106 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 1 | UNV | pci/g | NA |
| Ruthenium-106 | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.719 | 1348477.33 | 4.5 | UNV | pci/g | NA |
| Ruthenium-106 | SL-25-014 | CIS_SYSGEN_5 | 0.5 | 1 | 477019.719 | 1348477.33 | 10.2 | UNV | pci/g | NA |
| Ruthenium-106 | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.069 | 1348464.69 | 7.4 | UNV | pci/g | NA |
| Ruthenium-106 | SL-25-019 | CIS_SYSGEN_4 | 0.16 | 0.5 | 477013.559 | 1348483.16 | 7.8 | UNV | pci/g | NA |
| Ruthenium-106 | SL-25-020 | CIS_SYSGEN_4 | 0.5 | 1 | 477013.559 | 1348483.16 | 4.9 | UNV | pci/g | NA |
| Ruthenium-106 | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.719 | 1348477.33 | 4.8 | UNV | pci/g | NA |
| Ruthenium-106 | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.069 | 1348464.69 | 10.2 | UNV | pci/g | NA |
| Ruthenium-106 | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.559 | 1348483.16 | 5.2 | UNV | pci/g | NA |
| Ruthenium-106 | SS-25-021 | CIS_SYSGEN_3 | 0.5 | 1 | 476994.399 | 1348488.64 | 1 | UNV | pci/g | NA |
| Strontium-90 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.5 | UNV | pci/g | NO |
| Technetium-99 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 1 | UNV | pci/g | NO |
| Thorium, Total | 32960 | 2397 | | | 478300.02 | 1349526.06 | 18 | UNV | mg/kg | NA |
| Thorium, Total | 032891 | 3390 | | | 476570 | 1348411 | 18 | UNV | mg/kg | NA |
| Thorium, Total | 032960 | 2397 | | | 478300.02 | 1349526.06 | 18 | UNV | mg/kg | NA |

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## TABLE 2-3
## A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Thorium-228 | 000281 | 1538 | 0 | 0.5 | 476229.334 | 1347809.04 | 0.28 | NV | pci/g | NO |
| Thorium-228 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NO |
| Thorium-230 | 000281 | 1538 | 0 | 0.5 | 476229.334 | 1347809.04 | 0.63 | NV | pci/g | NO |
| Thorium-230 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NO |
| Thorium-230 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.069 | 1348464.69 | 52.2324 | NV | pci/g | NO |
| Thorium-232 | 000281 | 1538 | 0 | 0.5 | 476229.334 | 1347809.04 | 0.18 | NV | pci/g | NO |
| Thorium-232 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NO |
| Thorium-232 | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.719 | 1348477.33 | 5.5 | UNV | pci/g | YES |
| Thorium-232 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.069 | 1348464.69 | 6 | UNV | pci/g | YES |
| Thorium-232 | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.069 | 1348464.69 | 0.3 | UNV | pci/g | NO |
| Thorium-232 | SL-25-019 | CIS_SYSGEN_4 | 0.16 | 0.5 | 477013.559 | 1348483.16 | 0.2 | UNV | pci/g | NO |
| Thorium-232 | SL-25-020 | CIS_SYSGEN_4 | 0.5 | 1 | 477013.559 | 1348483.16 | 0.5 | NV | pci/g | NO |
| Thorium-232 | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.719 | 1348477.33 | 1.6 | NV | pci/g | YES |
| Thorium-232 | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.069 | 1348464.69 | 5.3 | UNV | pci/g | YES |
| Thorium-232 | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.559 | 1348483.16 | 4.7 | UNV | pci/g | YES |
| Thorium-232 | SS-25-021 | CIS_SYSGEN_3 | 0.5 | 1 | 476994.399 | 1348488.64 | 0.7 | NV | pci/g | NO |
| Total Organic Carbon | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 1740 | NV | mg/kg | NA |
| Uranium, Total | 32960 | 2397 | | | 478300.02 | 1349526.06 | 11 | UNV | mg/kg | NO |
| Uranium, Total | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 1.799127 | UNV | mg/kg | NO |
| Uranium, Total | 032891 | 3390 | | | 476570 | 1348411 | 11 | UNV | mg/kg | NO |
| Uranium, Total | 032960 | 2397 | | | 478300.02 | 1349526.06 | 11 | UNV | mg/kg | NO |
| Uranium, Total | 103200 | 3398 | | | 476615.3 | 1349865 | 11 | UNV | mg/kg | NO |
| Uranium, Total | 104451 | 2166 | | | 476553.3 | 1349637 | 11 | UNV | mg/kg | NO |
| Uranium, Total | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 3.9 | NV | mg/kg | NO |
| Uranium, Total | 200071D | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 13 | NV | mg/kg | NO |
| Uranium, Total | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 6.3 | NV | mg/kg | NO |
| Uranium, Total | 200072D | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 5.5 | NV | mg/kg | NO |
| Uranium, Total | 200073 | 11372 | 0 | 0.5 | 478106.929 | 1349859.74 | 14.6 | NV | mg/kg | NO |
| Uranium, Total | 200076 | 11372 | 0.5 | 1 | 478106.929 | 1349859.74 | 6.6 | NV | mg/kg | NO |
| Uranium, Total | 200078 | 11372 | 1 | 1.5 | 478106.929 | 1349859.74 | 5.5 | NV | mg/kg | NO |
| Uranium, Total | 200080 | 11372 | 1.5 | 2 | 478106.929 | 1349859.74 | 5.3 | NV | mg/kg | NO |
| Uranium, Total | 200126186 | 31550 | | | 477018.5 | 1348980 | 5 | NV | mg/kg | NO |
| Uranium, Total | 200126189 | 31550 | | | 477018.5 | 1348980 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126192 | 31550 | | | 477018.5 | 1348980 | 4 | NV | mg/kg | NO |

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TABLE 2-3
A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium, Total | 200126195 | 31550 | | | 477018.5 | 1348980 | 29 | NV | mg/kg | NO |
| Uranium, Total | 200126198 | 31550 | | | 477018.5 | 1348980 | 9.5 | NV | mg/kg | NO |
| Uranium, Total | 200126200 | 31550 | | | 477018.5 | 1348980 | 6 | NV | mg/kg | NO |
| Uranium, Total | 200126202 | 31550 | | | 477018.5 | 1348980 | 6.1 | NV | mg/kg | NO |
| Uranium, Total | 200126204 | 31550 | | | 477018.5 | 1348980 | 5.5 | NV | mg/kg | NO |
| Uranium, Total | 200126206 | 31550 | | | 477018.5 | 1348980 | 20 | NV | mg/kg | NO |
| Uranium, Total | 200126208 | 31550 | | | 477018.5 | 1348980 | 5.9 | NV | mg/kg | NO |
| Uranium, Total | 200126210 | 31550 | | | 477018.5 | 1348980 | 6.3 | NV | mg/kg | NO |
| Uranium, Total | 200126212 | 31550 | | | 477018.5 | 1348980 | 3.7 | NV | mg/kg | NO |
| Uranium, Total | 200126213 | 31550 | | | 477018.5 | 1348980 | 3.8 | NV | mg/kg | NO |
| Uranium, Total | 200126485 | 31554 | | | 476992.885 | 1348938.71 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126490 | 31554 | | | 476992.885 | 1348938.71 | 7 | NV | mg/kg | NO |
| Uranium, Total | 200126492 | 31554 | | | 476992.885 | 1348938.71 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126494 | 31554 | | | 476992.885 | 1348938.71 | 5.5 | NV | mg/kg | NO |
| Uranium, Total | 200126496 | 31554 | | | 476992.885 | 1348938.71 | 3.6 | NV | mg/kg | NO |
| Uranium, Total | 200126503 | 31554 | | | 476992.885 | 1348938.71 | 3.9 | NV | mg/kg | NO |
| Uranium, Total | 200126505 | 31554 | | | 476992.885 | 1348938.71 | 1.9 | NV | mg/kg | NO |
| Uranium, Total | 200126508 | 31554 | | | 476992.885 | 1348938.71 | 0.8 | NV | mg/kg | NO |
| Uranium, Total | 200126510 | 31554 | | | 476992.885 | 1348938.71 | 2.2 | NV | mg/kg | NO |
| Uranium, Total | 200126512 | 31554 | | | 476992.885 | 1348938.71 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200126514 | 31554 | | | 476992.885 | 1348938.71 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126515 | 31554 | | | 476992.885 | 1348938.71 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126523 | 31554 | | | 476992.885 | 1348938.71 | 5 | NV | mg/kg | NO |
| Uranium, Total | 200126525 | 31554 | | | 476992.885 | 1348938.71 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126527 | 31554 | | | 476992.885 | 1348938.71 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126529 | 31555 | | | 476976.002 | 1349002.48 | 6.7 | NV | mg/kg | NO |
| Uranium, Total | 200126531 | 31556 | | | 476936.975 | 1349031.77 | 4.2 | NV | mg/kg | NO |
| Uranium, Total | 200126535 | 31556 | | | 476936.975 | 1349031.77 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126537 | 31556 | | | 476936.975 | 1349031.77 | 2.8 | NV | mg/kg | NO |
| Uranium, Total | 200126539 | 31556 | | | 476936.975 | 1349031.77 | 5.9 | NV | mg/kg | NO |
| Uranium, Total | 200126541 | 31556 | | | 476936.975 | 1349031.77 | 2.7 | NV | mg/kg | NO |
| Uranium, Total | 200126543 | 31556 | | | 476936.975 | 1349031.77 | 5 | NV | mg/kg | NO |
| Uranium, Total | 200126545 | 31556 | | | 476936.975 | 1349031.77 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200126546 | 31556 | | | 476936.975 | 1349031.77 | 4 | NV | mg/kg | NO |

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## TABLE 2-3
## A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium, Total | 200126553 | 31556 | | | 476936.975 | 1349031.77 | 5 | NV | mg/kg | NO |
| Uranium, Total | 200126555 | 31556 | | | 476936.975 | 1349031.77 | 6 | NV | mg/kg | NO |
| Uranium, Total | 200126558 | 31556 | | | 476936.975 | 1349031.77 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126560 | 31556 | | | 476936.975 | 1349031.77 | 5 | NV | mg/kg | NO |
| Uranium, Total | 200126562 | 31556 | | | 476936.975 | 1349031.77 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126564 | 31556 | | | 476936.975 | 1349031.77 | 5 | NV | mg/kg | NO |
| Uranium, Total | 200126566 | 31556 | | | 476936.975 | 1349031.77 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200126568 | 31556 | | | 476936.975 | 1349031.77 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200126570 | 31553 | 61.5 | 62 | 477089.236 | 1349111.21 | 7 | NV | mg/kg | NO |
| Uranium, Total | 200126572 | 31553 | 66.5 | 67 | 477089.236 | 1349111.21 | 7 | NV | mg/kg | NO |
| Uranium, Total | 200126574 | 31553 | 76.5 | 77 | 477089.236 | 1349111.21 | 7 | NV | mg/kg | NO |
| Uranium, Total | 200126576 | 31553 | | | 477089.236 | 1349111.21 | 3.1 | NV | mg/kg | NO |
| Uranium, Total | 200126584 | 31553 | | | 477089.236 | 1349111.21 | 3.1 | NV | mg/kg | NO |
| Uranium, Total | 200126586 | 31553 | | | 477089.236 | 1349111.21 | 3.4 | NV | mg/kg | NO |
| Uranium, Total | 200126589 | 31553 | | | 477089.236 | 1349111.21 | 4.2 | NV | mg/kg | NO |
| Uranium, Total | 200126591 | 31553 | | | 477089.236 | 1349111.21 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200126593 | 31553 | | | 477089.236 | 1349111.21 | 3.7 | NV | mg/kg | NO |
| Uranium, Total | 200126595 | 31553 | | | 477089.236 | 1349111.21 | 2.7 | NV | mg/kg | NO |
| Uranium, Total | 200126596 | 31553 | | | 477089.236 | 1349111.21 | 3.4 | NV | mg/kg | NO |
| Uranium, Total | 200126603 | 31553 | | | 477089.236 | 1349111.21 | 2.2 | NV | mg/kg | NO |
| Uranium, Total | 200126605 | 31553 | | | 477089.236 | 1349111.21 | 2.5 | NV | mg/kg | NO |
| Uranium, Total | 200126608 | 31553 | | | 477089.236 | 1349111.21 | 3.1 | NV | mg/kg | NO |
| Uranium, Total | 200126610 | 31553 | | | 477089.236 | 1349111.21 | 4.4 | NV | mg/kg | NO |
| Uranium, Total | 200127651 | 31550 | | | 477018.5 | 1348980 | 4.9 | NV | mg/kg | NO |
| Uranium, Total | 200161893 | 31560 | | | 477403.1 | 1349029 | 4.5 | NV | mg/kg | NO |
| Uranium, Total | 200161895 | 31560 | | | 477403.1 | 1349029 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200161902 | 31560 | | | 477403.1 | 1349029 | 4.4 | NV | mg/kg | NO |
| Uranium, Total | 200161914 | 31560 | | | 477403.1 | 1349029 | 2.8 | NV | mg/kg | NO |
| Uranium, Total | 200161916 | 31560 | | | 477403.1 | 1349029 | 4 | NV | mg/kg | NO |
| Uranium, Total | 200161918 | 31560 | | | 477403.1 | 1349029 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161920 | 31560 | | | 477403.1 | 1349029 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161922 | 31560 | | | 477403.1 | 1349029 | 5 | NV | mg/kg | NO |
| Uranium, Total | 200161924 | 31560 | | | 477403.1 | 1349029 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161926 | 31560 | | | 477403.1 | 1349029 | 2 | NV | mg/kg | NO |

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TABLE 2-3
A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium, Total | 200161928 | 31560 | | | 477403.1 | 1349029 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161930 | 31560 | | | 477403.1 | 1349029 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161932 | 31560 | | | 477403.1 | 1349029 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161959 | 31561 | | | 477660.8 | 1349255 | 1 | NV | mg/kg | NO |
| Uranium, Total | 200161961 | 31561 | | | 477660.8 | 1349255 | 1 | NV | mg/kg | NO |
| Uranium, Total | 200161963 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 200161965 | 31561 | | | 477660.8 | 1349255 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161967 | 31561 | | | 477660.8 | 1349255 | 3 | NV | mg/kg | NO |
| Uranium, Total | 200161969 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 200161971 | 31561 | | | 477660.8 | 1349255 | 1 | NV | mg/kg | NO |
| Uranium, Total | 200161973 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 200161975 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 200161977 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 200161979 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 200161981 | 31561 | | | 477660.8 | 1349255 | 2 | NV | mg/kg | NO |
| Uranium, Total | 200161983 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 405727 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 405737 | 31562 | | | 477953.1 | 1349500 | 6 | NV | mg/kg | NO |
| Uranium, Total | 405739 | 31562 | | | 477953.1 | 1349500 | 7 | NV | mg/kg | NO |
| Uranium, Total | 405747 | 31562 | | | 477953.1 | 1349500 | 3 | NV | mg/kg | NO |
| Uranium, Total | 405753 | 31562 | | | 477953.1 | 1349500 | 3 | NV | mg/kg | NO |
| Uranium, Total | 405758 | 31562 | | | 477953.1 | 1349500 | 2 | NV | mg/kg | NO |
| Uranium, Total | 405759 | 31562 | | | 477953.1 | 1349500 | 1 | NV | mg/kg | NO |
| Uranium, Total | 405760 | 31562 | | | 477953.1 | 1349500 | 3 | NV | mg/kg | NO |
| Uranium, Total | 405767 | 31562 | | | 477953.1 | 1349500 | 25 | NV | mg/kg | NO |
| Uranium, Total | 405768 | 31562 | | | 477953.1 | 1349500 | 1 | NV | mg/kg | NO |
| Uranium, Total | 405772 | 31562 | | | 477953.1 | 1349500 | 1 | NV | mg/kg | NO |
| Uranium, Total | 405774 | 31562 | | | 477953.1 | 1349500 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 405776 | 31562 | | | 477953.1 | 1349500 | 3 | NV | mg/kg | NO |
| Uranium, Total | 405778 | 31562 | | | 477953.1 | 1349500 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 405780 | 31562 | | | 477953.1 | 1349500 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 405900 | 31561 | | | 477660.8 | 1349255 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 92S-14 | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 9 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0722 | 11237 | 0 | 0.5 | 476350.189 | 1348964.47 | 7 | NV | mg/kg | NO |

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## TABLE 2-3
## A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium, Total | 93.50.03.25-0724 | 11237 | 1 | 1.5 | 476350.189 | 1348964.47 | 7 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0727 | 11237 | 2.5 | 3 | 476350.189 | 1348964.47 | 5 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0733 | 11237 | 6 | 6.5 | 476350.189 | 1348964.47 | 5 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0738 | 11237 | 9 | 9.5 | 476350.189 | 1348964.47 | 7 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0744 | 11237 | 12 | 12.5 | 476350.189 | 1348964.47 | 6 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0750 | 11237 | 15.5 | 16 | 476350.189 | 1348964.47 | 5 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0751 | 11236 | 0 | 0.5 | 476293.307 | 1348907.73 | 9 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0752 | 11236 | 0.5 | 1 | 476293.307 | 1348907.73 | 7 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0755 | 11236 | 2.5 | 3 | 476293.307 | 1348907.73 | 5 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0762 | 11236 | 6 | 6.5 | 476293.307 | 1348907.73 | 7 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0766 | 11236 | 9 | 9.5 | 476293.307 | 1348907.73 | 6 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0771 | 11236 | 12 | 12.5 | 476293.307 | 1348907.73 | 5 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0779 | 11236 | 16 | 16.5 | 476293.307 | 1348907.73 | 1 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0782 | 11236 | 17.5 | 18 | 476293.307 | 1348907.73 | 1 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0783 | 11239 | 0 | 0.5 | 476646.629 | 1348775.83 | 2 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0787 | 11239 | 2.5 | 3 | 476646.629 | 1348775.83 | 4 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0794 | 11239 | 6 | 6.5 | 476646.629 | 1348775.83 | 3 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0801 | 11239 | 12 | 12.5 | 476646.629 | 1348775.83 | 3 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0808 | 11239 | 15.5 | 16 | 476646.629 | 1348775.83 | 3 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0812 | 11235 | 0 | 0.5 | 476370.677 | 1348798.69 | 1 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0816 | 11235 | 2.5 | 3 | 476370.677 | 1348798.69 | 1 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0823 | 11235 | 6 | 6.5 | 476370.677 | 1348798.69 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0828 | 11235 | 9 | 9.5 | 476370.677 | 1348798.69 | 1 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0834 | 11235 | 12 | 12.5 | 476370.677 | 1348798.69 | 1 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0839 | 11235 | 16 | 16.5 | 476370.677 | 1348798.69 | 1 | UNV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0844 | 11238 | 0 | 0.5 | 476463.889 | 1348915.32 | 6 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0846 | 11238 | 1 | 1.5 | 476463.889 | 1348915.32 | 7 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0849 | 11238 | 2.5 | 3 | 476463.889 | 1348915.32 | 6 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0855 | 11238 | 6 | 6.5 | 476463.889 | 1348915.32 | 4 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0861 | 11238 | 9 | 9.5 | 476463.889 | 1348915.32 | 8 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0873 | SP-1-B | 0 | 0.5 | 476253.853 | 1348592.36 | 9 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0874 | SP-2-B | 0 | 0.5 | 476296.424 | 1348661.42 | 4 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0875 | SP-3-B | 0 | 0.5 | 476783.149 | 1348627.31 | 5 | NV | mg/kg | NO |
| Uranium, Total | 93.50.03.25-0879 | SP-4-B | 0 | 0.5 | 476763.149 | 1348612.28 | 5 | NV | mg/kg | NO |

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TABLE 2-3
A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium, Total | LIT88091 | LIT8924 | 0 | 5 | 477056.351 | 1348632.03 | 23.27042 | NV | mg/kg | NO |
| Uranium, Total | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.719 | 1348477.33 | 20.3901 | UNV | mg/kg | NO |
| Uranium, Total | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.069 | 1348464.69 | 55.98722 | NV | mg/kg | YES |
| Uranium, Total | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.069 | 1348464.69 | 88.45706 | UNV | mg/kg | YES |
| Uranium, Total | SL-25-019 | CIS_SYSGEN_4 | 0.16 | 0.5 | 477013.559 | 1348483.16 | 21.88937 | NV | mg/kg | NO |
| Uranium, Total | SL-25-020 | CIS_SYSGEN_4 | 0.5 | 1 | 477013.559 | 1348483.16 | 22.78894 | NV | mg/kg | NO |
| Uranium, Total | SS2223 | LIT8924 | 0 | 0.167 | 477056.351 | 1348632.03 | 32.44199 | NV | mg/kg | NO |
| Uranium, Total | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.719 | 1348477.33 | 28.48617 | NV | mg/kg | NO |
| Uranium, Total | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.069 | 1348464.69 | 17.99127 | NV | mg/kg | NO |
| Uranium, Total | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.559 | 1348483.16 | 27.28675 | NV | mg/kg | NO |
| Uranium, Total | SS-25-021 | CIS_SYSGEN_3 | 0.5 | 1 | 476994.399 | 1348488.64 | 50.37555 | NV | mg/kg | YES |
| Uranium-234 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NA |
| Uranium-234 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.758 | NV | pci/g | NA |
| Uranium-234 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 1.4 | NV | pci/g | NA |
| Uranium-234 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 12.4 | NV | pci/g | NA |
| Uranium-234 | 200071D | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 5.4 | NV | pci/g | NA |
| Uranium-234 | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 3.12 | UNV | pci/g | NA |
| Uranium-234 | 200072D | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 3.12 | UNV | pci/g | NA |
| Uranium-234 | 200073 | 11372 | 0 | 0.5 | 478106.929 | 1349859.74 | 3.12 | UNV | pci/g | NA |
| Uranium-234 | 200076 | 11372 | 0.5 | 1 | 478106.929 | 1349859.74 | 3.12 | UNV | pci/g | NA |
| Uranium-234 | 200078 | 11372 | 1 | 1.5 | 478106.929 | 1349859.74 | 3.12 | UNV | pci/g | NA |
| Uranium-234 | 200080 | 11372 | 1.5 | 2 | 478106.929 | 1349859.74 | 3.12 | UNV | pci/g | NA |
| Uranium-234 | 92S-14 | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 3 | NV | pci/g | NA |
| Uranium-234 | LIT88090 | LIT8924 | 0 | 5 | 477056.351 | 1348632.03 | 7.5 | NV | pci/g | NA |
| Uranium-234 | LIT88091 | LIT8924 | 0 | 5 | 477056.351 | 1348632.03 | 7.74 | NV | pci/g | NA |
| Uranium-234 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.069 | 1348464.69 | 16.78 | NV | pci/g | NA |
| Uranium-234 | SS2223 | LIT8924 | 0 | 0.167 | 477056.351 | 1348632.03 | 11.36402 | NV | pci/g | NA |
| Uranium-235 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.072 | NV | pci/g | NA |
| Uranium-235 | 200071 | 11372 | 0 | 0.17 | 478106.921 | 1349859.68 | 0.24 | NV | pci/g | NA |
| Uranium-235 | 200071D | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 0.2 | NV | pci/g | NA |
| Uranium-235 | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.11 | NV | pci/g | NA |
| Uranium-235 | 200072D | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.1 | NV | pci/g | NA |
| Uranium-235 | 200073 | 11372 | 0 | 0.5 | 478106.929 | 1349859.74 | 0.12 | NV | pci/g | NA |
| Uranium-235 | 200076 | 11372 | 0.5 | 1 | 478106.929 | 1349859.74 | 0.11 | NV | pci/g | NA |



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## TABLE 2-3
## A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium-235 | 200078 | 11372 | 1 | 1.5 | 478106.929 | 1349859.74 | 0.08 | NV | pci/g | NA |
| Uranium-235 | 200080 | 11372 | 1.5 | 2 | 478106.929 | 1349859.74 | 0.08 | NV | pci/g | NA |
| Uranium-235 | 92S-14 | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 0.14 | NV | pci/g | NA |
| Uranium-235 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.069 | 1348464.69 | 0.783 | NV | pci/g | NA |
| Uranium-235 | SS2223 | LIT8924 | 0 | 0.167 | 477056.351 | 1348632.03 | 0.562684 | NV | pci/g | NA |
| Uranium-235/236 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NA |
| Uranium-235/236 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.102 | UNV | pci/g | NA |
| Uranium-235/236 | LIT88090 | LIT8924 | 0 | 5 | 477056.351 | 1348632.03 | 0.37 | NV | pci/g | NA |
| Uranium-235/236 | LIT88091 | LIT8924 | 0 | 5 | 477056.351 | 1348632.03 | 0.44 | NV | pci/g | NA |
| Uranium-236 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.054 | NV | pci/g | NA |
| Uranium-236 | 200071 | 11372 | 0 | 0.17 | 478106.921 | 1349859.68 | 0.093 | NV | pci/g | NA |
| Uranium-236 | 200071D | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 0.07 | NV | pci/g | NA |
| Uranium-236 | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.03 | UNV | pci/g | NA |
| Uranium-236 | 200072D | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.032 | UNV | pci/g | NA |
| Uranium-236 | 200073 | 11372 | 0 | 0.5 | 478106.929 | 1349859.74 | 0.03 | UNV | pci/g | NA |
| Uranium-236 | 200076 | 11372 | 0.5 | 1 | 478106.929 | 1349859.74 | 0.05 | NV | pci/g | NA |
| Uranium-236 | 200078 | 11372 | 1 | 1.5 | 478106.929 | 1349859.74 | 0.03 | UNV | pci/g | NA |
| Uranium-236 | 200080 | 11372 | 1.5 | 2 | 478106.929 | 1349859.74 | 0.03 | UNV | pci/g | NA |
| Uranium-236 | 92S-14 | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 0.043 | NV | pci/g | NA |
| Uranium-238 | 008990 | 3049 | 95 | 96.5 | 477050.571 | 1348592.45 | 0.6 | UNV | pci/g | NA |
| Uranium-238 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 0.767 | NV | pci/g | NA |
| Uranium-238 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 1.3 | NV | pci/g | NA |
| Uranium-238 | 12S-14-B2 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 12 | UNV | pci/g | NA |
| Uranium-238 | 200071D | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 4.37 | NV | pci/g | NA |
| Uranium-238 | 200072 | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 2.12 | NV | pci/g | NA |
| Uranium-238 | 200072D | 11372 | 2 | 2.5 | 478106.929 | 1349859.74 | 1.83 | NV | pci/g | NA |
| Uranium-238 | 200073 | 11372 | 0 | 0.5 | 478106.929 | 1349859.74 | 4.91 | NV | pci/g | NA |
| Uranium-238 | 200076 | 11372 | 0.5 | 1 | 478106.929 | 1349859.74 | 2.22 | NV | pci/g | NA |
| Uranium-238 | 200078 | 11372 | 1 | 1.5 | 478106.929 | 1349859.74 | 1.85 | NV | pci/g | NA |
| Uranium-238 | 200080 | 11372 | 1.5 | 2 | 478106.929 | 1349859.74 | 1.78 | NV | pci/g | NA |
| Uranium-238 | 92S-14 | 11372 | 0 | 0.17 | 478106.929 | 1349859.74 | 3 | NV | pci/g | NA |
| Uranium-238 | AFP-B-P2-2-R | AFP-B-P-2 | 0.5 | 1 | 477051.81 | 1348454.63 | 0.441 | NV | pci/g | NA |
| Uranium-238 | AFP-B-P2-2-R | AFP-B-P-2 | 0.5 | 1 | 477051.81 | 1348454.63 | 0.441 | NV | pci/g | NA |
| Uranium-238 | AFP-B-P3-2-R | AFP-B-P-2 | 1 | 1.5 | 477051.81 | 1348454.63 | 0.394 | NV | pci/g | NA |

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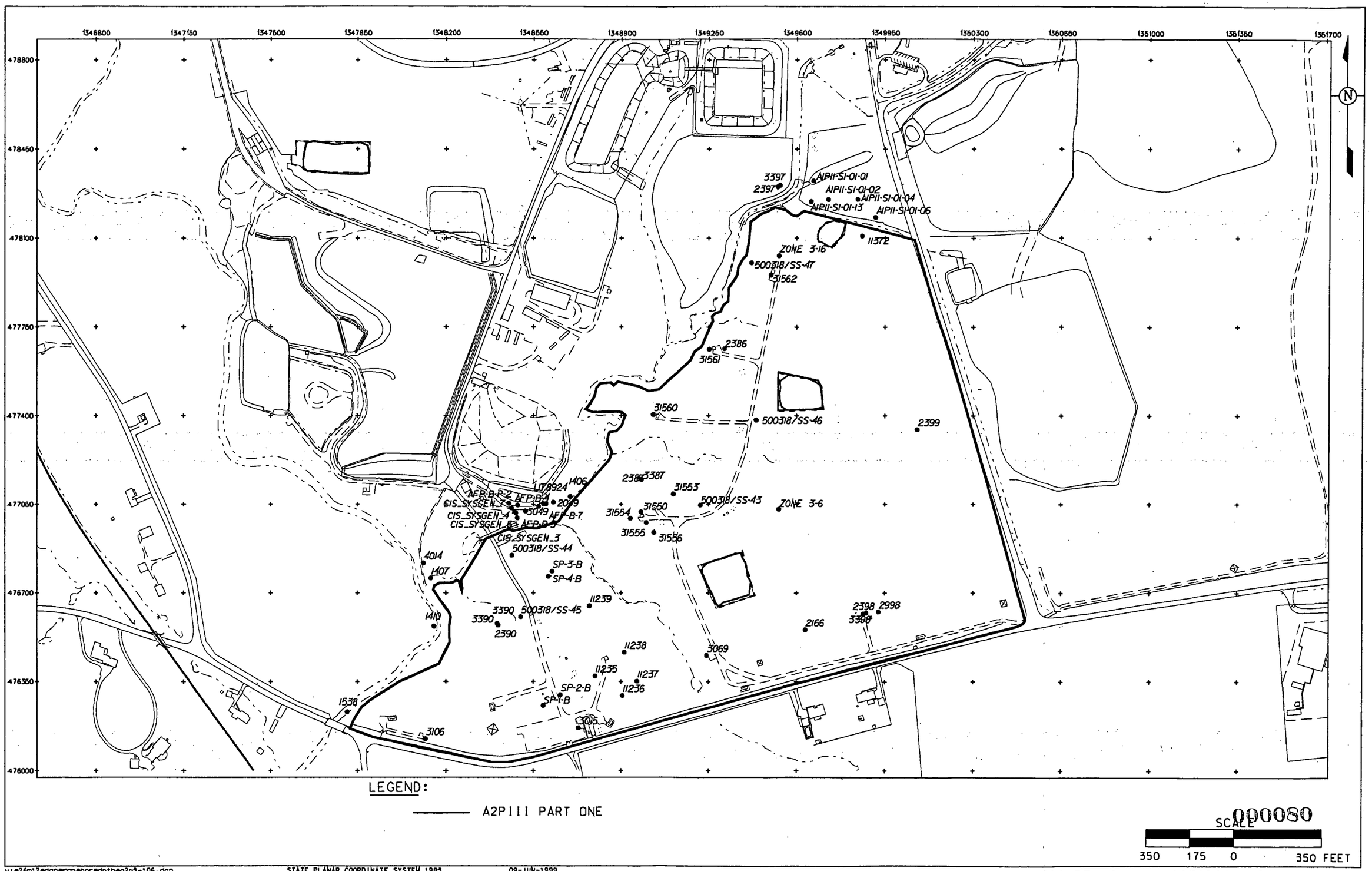
## TABLE 2-3
## A2PIII PART ONE HISTORICAL NON-VALIDATED DATA

| Parameter | Sample ID | Location ID | Top Depth | Bottom Depth | Northing | Easting | Result | Qualifier | Units | Greater than FRL |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium-238 | AFP-B-P3-2-R | AFP-B-P-2 | 1 | 1.5 | 477051.81 | 1348454.63 | 0.394 | NV | pci/g | NA |
| Uranium-238 | AFP-B-P4-2-R | AFP-B-P-2 | 1.5 | 2 | 477051.81 | 1348454.63 | 0.366 | NV | pci/g | NA |
| Uranium-238 | AFP-B-P4-2-R | AFP-B-P-2 | 1.5 | 2 | 477051.81 | 1348454.63 | 0.366 | NV | pci/g | NA |
| Uranium-238 | AFP-B-P5-2-R | AFP-B-P-2 | 2 | 2.5 | 477051.81 | 1348454.63 | 0.481 | NV | pci/g | NA |
| Uranium-238 | AFP-B-P5-2-R | AFP-B-P-2 | 2 | 2.5 | 477051.81 | 1348454.63 | 0.481 | NV | pci/g | NA |
| Uranium-238 | LIT88090 | LIT8924 | 0 | 5 | 477056.351 | 1348632.03 | 7.4 | NV | pci/g | NA |
| Uranium-238 | LIT88091 | LIT8924 | 0 | 5 | 477056.351 | 1348632.03 | 7.75 | NV | pci/g | NA |
| Uranium-238 | SL-25-013 | CIS_SYSGEN_5 | 0.17 | 0.5 | 477019.719 | 1348477.33 | 6.8 | UNV | pci/g | NA |
| Uranium-238 | SL-25-016 | CIS_SYSGEN_7 | 0.17 | 0.5 | 477033.069 | 1348464.69 | 18.689 | NV | pci/g | NA |
| Uranium-238 | SL-25-017 | CIS_SYSGEN_7 | 0.5 | 1 | 477033.069 | 1348464.69 | 29.5 | UNV | pci/g | NA |
| Uranium-238 | SL-25-019 | CIS_SYSGEN_4 | 0.16 | 0.5 | 477013.559 | 1348483.16 | 7.3 | NV | pci/g | NA |
| Uranium-238 | SL-25-020 | CIS_SYSGEN_4 | 0.5 | 1 | 477013.559 | 1348483.16 | 7.6 | NV | pci/g | NA |
| Uranium-238 | SS2223 | LIT8924 | 0 | 0.167 | 477056.351 | 1348632.03 | 10.81236 | NV | pci/g | NA |
| Uranium-238 | SS-25-012 | CIS_SYSGEN_5 | 0 | 0.17 | 477019.719 | 1348477.33 | 9.5 | NV | pci/g | NA |
| Uranium-238 | SS-25-015 | CIS_SYSGEN_7 | 0 | 0.16 | 477033.069 | 1348464.69 | 6 | NV | pci/g | NA |
| Uranium-238 | SS-25-018 | CIS_SYSGEN_4 | 0 | 0.18 | 477013.559 | 1348483.16 | 9.1 | NV | pci/g | NA |
| Uranium-238 | SS-25-021 | CIS_SYSGEN_3 | 0.5 | 1 | 476994.399 | 1348488.64 | 16.8 | NV | pci/g | NA |

0000079

23 18




000080

v:\a2fm12\dgn\map\hor\dpth\a2p3-106.dgn STATE PLANAR COORDINATE SYSTEM 1983 09-JUN-1999

FIGURE 2-1. HISTORICAL BORINGS WITHIN A2PIII PART ONE AND 100 FT BUFFER

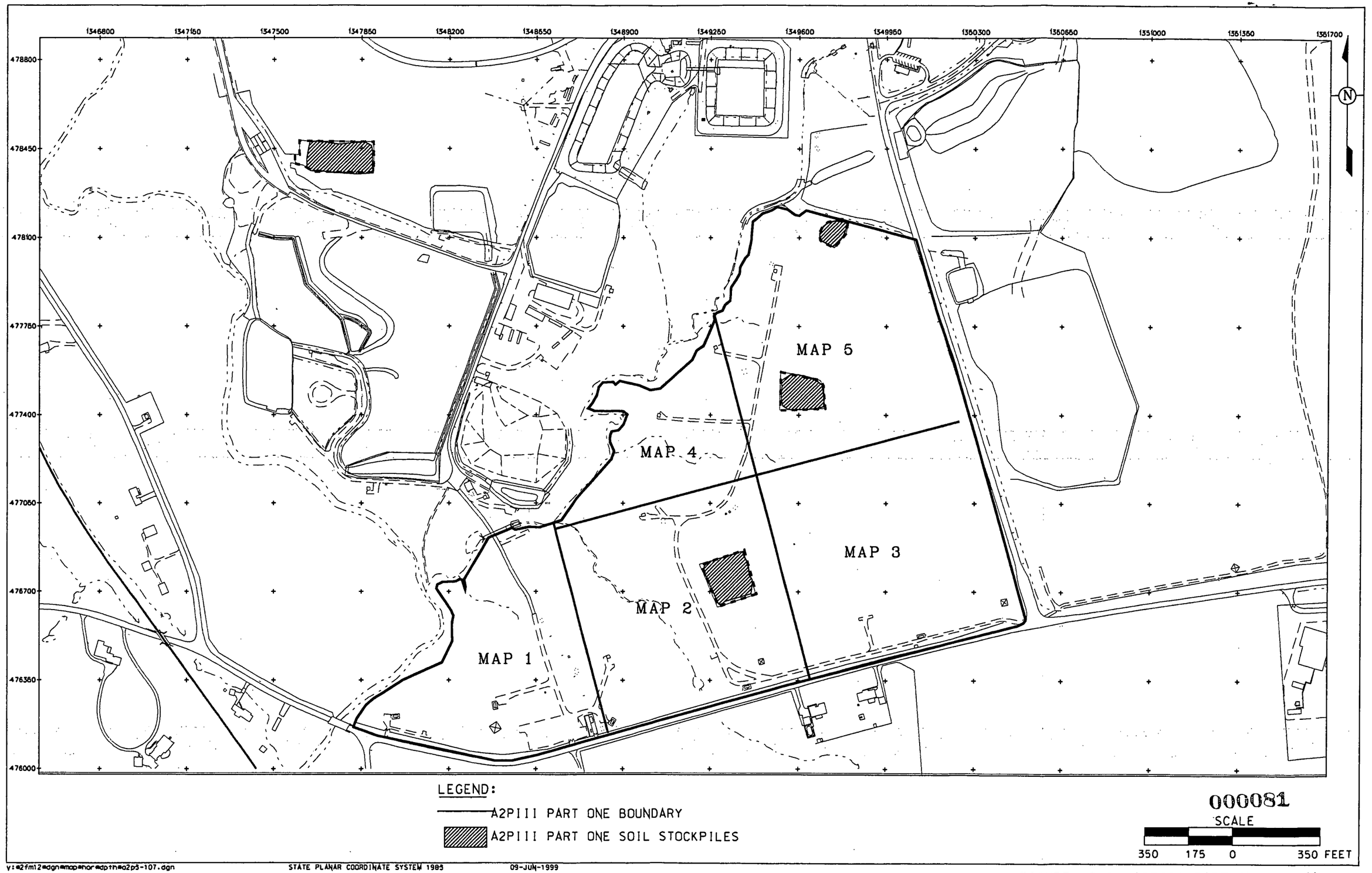



FIGURE 2-2. A2PIII PART ONE KEY MAP
FOR REAL-TIME SCANS SHOWN IN APPENDICES

# 3.0 AREA-SPECIFIC CONSTITUENTS OF CONCERN

In the OU5 ROD, there are 80 soil COCs with established FRLs. These COCs were retained for further investigation based on a screening process that considered the presence of the constituent in site soil and the potential risk to a receptor exposed to soil containing this contaminant. In spite of the conservative nature of this COC retention process, many of the COCs with established FRLs have a limited distribution in site soil or the presence of the COC is based on high CRDLs. When FRLs were established for these COCs in the OU5 ROD, they were initially screened against site data presented on spatial maps to establish a picture of potential remediation areas.

By reviewing existing RI/FS data presented on spatial distribution maps, it was possible to reduce the sitewide list of soil COCs from 80 listed in the OU5 ROD to 30. This reduction was possible because the majority of the COCs with FRLs listed in the OU5 ROD have no detections on site above their corresponding FRL, thus eliminating them from further consideration. The 30 remaining sitewide COCs account for over 99 percent of the combined risk to a site receptor model, and they comprise the list from which all of the remediation ASCOCs are drawn. When planning certification for a remediation area, additional selection criteria are used to derive a subset of these 30 COCs. This subset of COCs is passed along to the certification process.

## 3.1 SELECTION CRITERIA

The selection process for retaining ASCOCs for a remediation area is driven by applying a set of decision criteria. A soil contaminant will be retained as an A2PIII Part One ASCOC if:

- It is listed as a soil COC in the OU5 ROD
- It can be traced to site use, either through process knowledge or known release of the constituent to the environment
- Analytical results indicate the contaminant is present at a concentration above its FRL, and the above-FRL concentrations are not attributable to false positives or elevated CRDLs
- Physical characteristics of the contaminant, such as half-life, indicate it is likely to persist in the soil between time of release and remediation
- The contaminant is one of the sitewide primary COCs (total uranium, radium-226, radium-228, thorium-232, and thorium-228).

## 3.2 ASCOC SELECTION PROCESS FOR A2PIII PART ONE

Total uranium, radium-226, radium-228, thorium-228 and thorium-232 are sitewide primary COCs and will be retained as ASCOCs for this reason. Review of historical data shows little above-FRL contamination in the field east and south of the Storm Sewer Outfall Line and in MTL-HRD-0011. As discussed in Section 2, n-nitroso-di-n-propylamine will not be retained as an ASCOC since the non-detect CRDL is greater than the FRL. Based on these factors and the inability to identify any mechanism for secondary COC contamination of A2PIII Part One, only the sitewide primary COCs will be retained as ASCOCs. The ASCOC list of A2PIII Part One can be found in Table 3-1.

**TABLE 3-1**
**ASCOC LIST FOR A2PIII PART ONE OPEN FIELD AND STOCKPILE CUs**

| ASCOC | FRL | Reason Retained |
|---|---|---|
| Total Uranium | 82 mg/Kg | Retained as a primary ASCOC sitewide |
| Radium-226 | 1.7 pCi/g | Retained as a primary ASCOC sitewide |
| Radium-228 | 1.8 pCi/g | Retained as a primary ASCOC sitewide |
| Thorium-228 | 1.7 pCi/g | Retained as a primary ASCOC sitewide |
| Thorium-232 | 1.5 pCi/g | Retained as a primary ASCOC sitewide |

# 4.0 CERTIFICATION APPROACH

## 4.1 CERTIFICATION DESIGN

The certification design for A2PIII Part One follows the general approach outlined in Section 3.4 of the SEP. As discussed in Section 3.0 of this document, total uranium, thorium-228, thorium-232, radium-226, and radium-228 (the primary ASCOCs) will be retained in all CUs as the only CU-specific ASCOCs. The A2PIII Part One certification design is divided into two separate approaches: Open Field CUs and Stockpile CUs.

### 4.1.1 Open Field CU Design

Since the majority of the area is an open field and is considered to be "nonimpacted," Excavation Approach E will be used as a basis for certification design, as described in Section 4.5 of the SEP. Fourteen Group 2 CUs, which can be as large as 250,000 square feet, are identified and depicted in Figure 4-1. The CUs along the eastern boundary extend to the west edge of the South Access Road. The CUs along the southern boundary extend to Willey Road. The CUs bounded by the tributaries extend partially down the side banks of the tributaries to allow for potential backup during extreme rain events and flooding.

The selection of certification sampling locations was conducted according to Section 3.4.2 of the SEP. Each CU was first divided into 16 approximately equal sub-CUs. Sample locations were then generated by randomly selecting easting and northing coordinates within each sub-CU boundary, and testing the locations against the minimum distance criterion for the CU. If this was the case, an alternative random location was selected for that sub-CU, and all the locations were re-tested. This process continued until all 16 random locations met the minimum distance criterion. The selected A2PIII Part One certification sampling locations are shown in Figure 4-2.

The allowable minimum distance between pairs ranged from 9.4 feet in CU A2P3-1S and 1SF to 62.5 feet in CU A2P3-14. Of note, it is possible that subsurface obstacles (e.g., buried rocks or tree roots) could prevent collection at the planned location. If this is the case, the location can be moved up to one foot from the original location, as long as it remains within the same CU and sub-CU boundary. Note that although a location move of up to 3 feet is permitted, implementing a smaller radius may help minimize potential failure of the minimum distance criterion. A check of the minimum distances

between locations reveals that such a move would not cause a violation of the minimum distance criterion for even the closest of location pairs. A move of more than three feet would require a minimum distance recheck, and approval from the U.S. Environmental Protection Agency (EPA) and Ohio Environmental Protection Agency (OEPA).

Discrete soil samples will be collected from each of the 16 random sampling locations. Each sample will be collected from the 0 to 6-inch (surface) soil interval at the designated and surveyed sample point. If a sample point is located within the footprint of a gravel/paved pad or road, the sample will be taken to a depth of six inches below the gravel/asphalt base. Of the 16 certification samples, a total of 12 will be submitted for analysis. In order to select the 12 samples for analysis and still provide good areal coverage, each CU is divided into quadrants, with each quadrant containing four sample locations. Three of the four samples from each quadrant are then randomly selected for analysis, resulting in a total of 12 samples analyzed per CU. The other four samples from each CU are to be archived and analyzed only if necessary.

During precertification, some areas could not be scanned by real-time equipment due to inaccessibility (steepness of slope, dense vegetation, etc). One area specifically has been delineated as a separate CU (A2P3-09) to account for the unscanned area. All HPGe measurements adjacent to inaccessible areas were below FRLs. Some of the random sample locations within the A2P3-2, 3, 6, 10 and 13 CUs fall within the inaccessible areas and will support attainment of FRLs.

### 4.1.2 Stockpile CU Design

Although the soil generated in creation of the stockpiles is considered nonimpacted, the approach will be different than the other areas within A2PIII Part One. Each stockpile will be designated as two CUs; one CU for the footprint underneath the stockpile (footprint CU) and one CU for the pile (pile CU). The stockpiles will be gridded into quadrants per Section 3.4.2 of the SEP except for MTL-HRD-011, which will be divided into eighteen subareas. Sixteen sample locations will be generated for stockpiles MTL-SPO-004 and MTL-SPO-005. Eighteen sample locations will be generated for MTL-HRD-011 because of its larger size and 12 sample locations will be generated for stockpile MTL-SPO-019 due to its smaller size. The selected certification sample locations for the stockpile CUs are depicted in Appendix F.

Fourteen samples for each CU in MTL-HRD-011 will be submitted for analysis. Ten samples for each CU in MTL-004 and MTL-005 will be submitted for analysis. Eight samples for each CU in MTL-009 will be submitted for analysis. The number of samples submitted for the footprint and pile CUs will be the same. The stockpile CU identification is the following:

| | Pile CU | Footprint CU |
|---|---|---|
| MTL-SPO-019 | A2P3-1S | A2P3-1SF |
| MTL-SPO-004 | A2P3-2S | A2P3-2SF |
| MTL-SPO-005 | A2P3-3S | A2P3-3SF |
| MTL-HRD-011 | A2P3-4S | A2P3-4SF |

The location for all samples will be randomly generated and spaced according to Section 3.4.2 of the SEP. The footprint CU and pile CU samples will share the same location but different depths. The randomly identified sample locations for the footprint CUs will be bored to a depth of 6 inches below each stockpile's base footprint. Base footprint CU samples will follow the same protocol (random sample generation, minimum distance, etc.) as established in Section 3.4.2 of the SEP. Pile CU protocol is as follows:

1. Each core location has a randomly identified 6 inch interval for submittal for analysis.
2. Each core will be beta/gamma frisked in the field. All intervals which exhibit greater than background beta/gamma measurements will supercede the randomly identified interval and be submitted for analysis.
3. If no interval exhibits greater than background beta/gamma, the randomly generated interval will be submitted for analysis.

## 4.2 ANALYTICAL METHODOLOGY AND STATISTICAL ANALYSIS

Laboratory analysis of certification samples will be conducted using an approved analytical method, as discussed in Appendix H of the SEP. Analyses will be conducted to Analytical Support Level (ASL) E, where all requirements are the same as ASL D except the minimum detection level for the selected analytical method must be at a minimum of 10 percent of FRL. All results will be validated to ASL B, and a minimum 10 percent of the results from each laboratory will be validated to ASL D. Because results are batched by CU, all results from three CUs will be validated to ASL D. Samples rejected during validation will be reanalyzed unless results are greater than FRL. An archive sample may be

substituted if there is insufficient material available from the initial sample. Rejected results which are greater than FRL will require resampling. Once data are validated as required, results will be entered into the SED and a statistical analysis will be performed to evaluate the pass/fail criteria for the each CU. The statistical approach is discussed in Section 3.4.3 and Appendix G of the SEP.

Two criteria must be met for the CU to be certified as passing. If the data distribution is normal or lognormal, the first criterion compares the 95 percent Upper Confidence Limit (UCL) on the mean of each primary COC to its FRL. On an individual CU basis, any ASCOC with the 95 percent UCL above the FRL results in that CU failing certification. If the data distribution is not normal or lognormal, the appropriate nonparametric approach discussed in Appendix G of the SEP will be used to evaluate the second criterion. The second criterion is related to individual samples. An individual sample cannot be greater than 2x FRL or 3x FRL, based on its size. See Figure 3-11 of the SEP for further details. When the given UCL on the mean for each COC is less than its FRL, and the hot-spot criterion is met, the CU has met both criteria and will be considered certified.

There are three conditions that could result in a CU failing certification: 1) high variability in the data set, 2) localized contamination, and 3) widespread contamination. Details on the evaluation and responses to these possible outcomes are provided in Section 3.4.5 of the SEP. When all CUs within the scope of this CDL have passed certification, a Certification Report will be issued. The Certification Report will be submitted to the regulatory agencies to receive acknowledgment that the pertinent operable unit remedial actions were completed and the individual CUs are certified to be released for interim or final land use. Section 7.4 of the SEP provides additional details and describes the required content of the Certification Report.

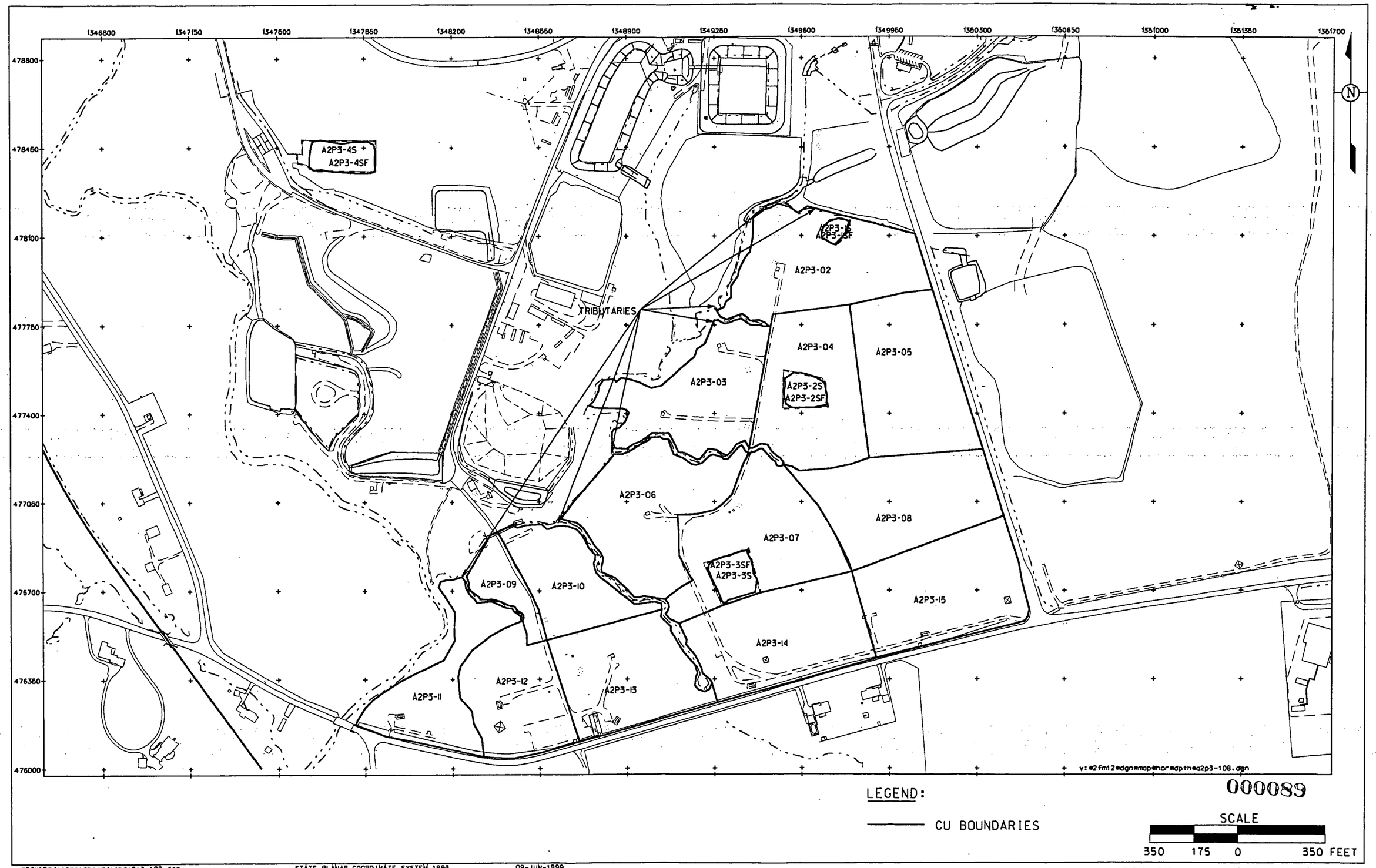
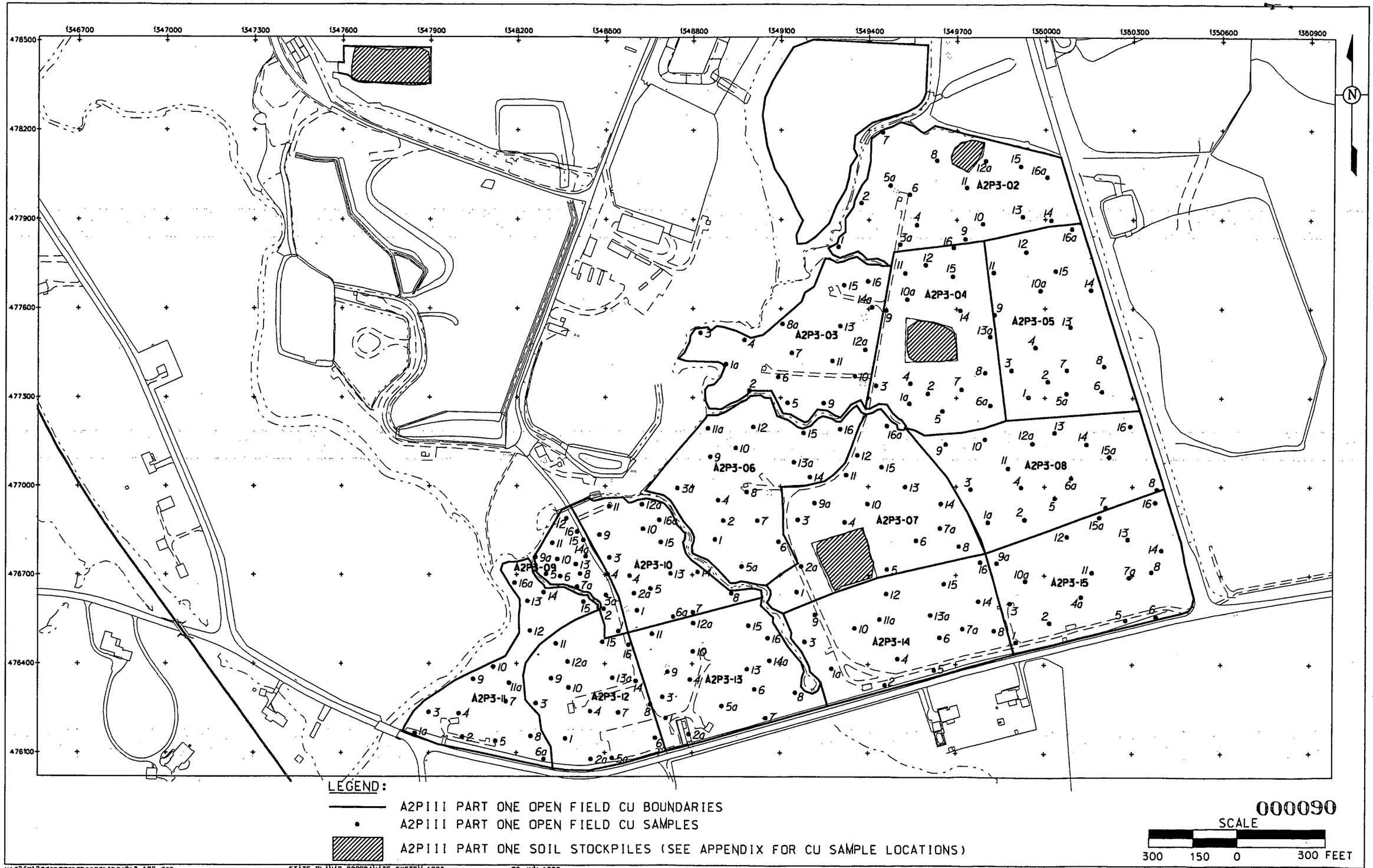



FIGURE 4-1. A2PIII PART ONE CERTIFICATION UNITS




000090

FIGURE 4-2. A2PIII PART ONE OPEN FIELD CU SAMPLE LOCATIONS

# 5.0 SCHEDULE

The following A2PIII Part One draft schedule shows key activities for the completion of the work within the scope of this CDL. The primary drivers for this schedule are agreements with DOE and potential need for OSDF borrow material in 2000.

| A2PIII Part One Activity | Target Date |
|---|---|
| Submittal of Certification Design Letter | March 31, 1999* |
| Start of Certification Sampling | June 28, 1999 |
| Complete Certification Sampling | August 9, 1999 |
| Complete Analytical Work | September 28, 1999 |
| Complete Data Validation/Statistical Analysis | October 29, 1999 |
| Submit A2PIII Part One Certification Report | December 17,1999* |

* Only the dates for submittal of the Certification Design Letter and Certification Report are commitments to the EPA and OEPA. Other dates are internal target completion dates.

# REFERENCES

U. S. Department of Energy, 1996, "Record of Decision for Remedial Action at Operable Unit 5," Final, Fernald Environmental Management Project, DOE, Fernald Area Office, Cincinnati, Ohio.

U. S. Department of Energy, 1998a, "Sitewide Excavation Plan," Final, Fernald Environmental Management Project, DOE, Fernald Area Office, Cincinnati, Ohio.

U. S. Department of Energy, 1998b, "User Guidelines, Measurement Strategies, and Operational Factors for Deployment of In-Situ Gamma Spectrometry at the Fernald Site," Draft, Fernald Environmental Management Project, DOE, Fernald Area Office, Cincinnati, Ohio.

U. S. Department of Energy, 1998c, "In-Situ Gamma Spectrometry QA/QC Program," Draft, Appendix H of the Sitewide CERCLA Quality Assurance Project Plan, Fernald Environmental Management Project, DOE, Fernald Area Office, Cincinnati, Ohio.

U. S. Department of Energy, 1999, "Project Specific Plan for Area 2, Phase III Part One Certification Sampling," Revision 0, Fernald Environmental Management Project, DOE, Fernald Area Office, Cincinnati, Ohio.

# APPENDIX A

# MOBILE NaI TOTAL ACTIVITY RESULTS AND PHASE 1 HPGe READING LOCATIONS

## SIGNIFICANT SURFACE AREAS NOT MEASURED ON MAPS

### APPLICABLE TO ALL MAPS:

- Large areas without measurements are inaccessible because of steep slopes or are heavily vegetated/wooded.

- Small areas are usually structures such as: pump/piping houses, fenced (or barricaded with four concrete stanchions) above ground risers for underground piping (stubs, cleanouts, well sampling), power poles, fences (wire and silt), air sampling stations, signs, natural ground runoff depressions, and tributaries that not part of A2PIII Part One.

### SPECIFIC OR UNUSUAL FEATURES OF INDIVIDUAL MAPS:

**MAP 1:**

- Plateau area that slopes to west towards Paddy's Run and to the north towards on onsite tributary
- Section of asphalt road from A2P1
- Gravel pad from Aquifer Restoration project construction

**MAP 2:**

- Plateau area that slopes towards on onsite tributaries
- Tributary flowing from offsite through a gradual to steep ravine towards on onsite tributary
- Large topsoil stockpile 3S (MTL-SP0-005)

**MAP 3:**

- Relatively flat area
- Two small runoff tributaries
- Stacked excess HDPE piping (from Aquifer Restoration project construction) to be moved and footprint measured

**MAP 4:**

- Land sloping towards onsite tributaries

**MAP 5:**

- Generally flat land
- Small soil stockpile 1S (MTL-SPO-019)
- Medium topsoil stockpile 2S (MTL-SPO-004)

# MAP # 1

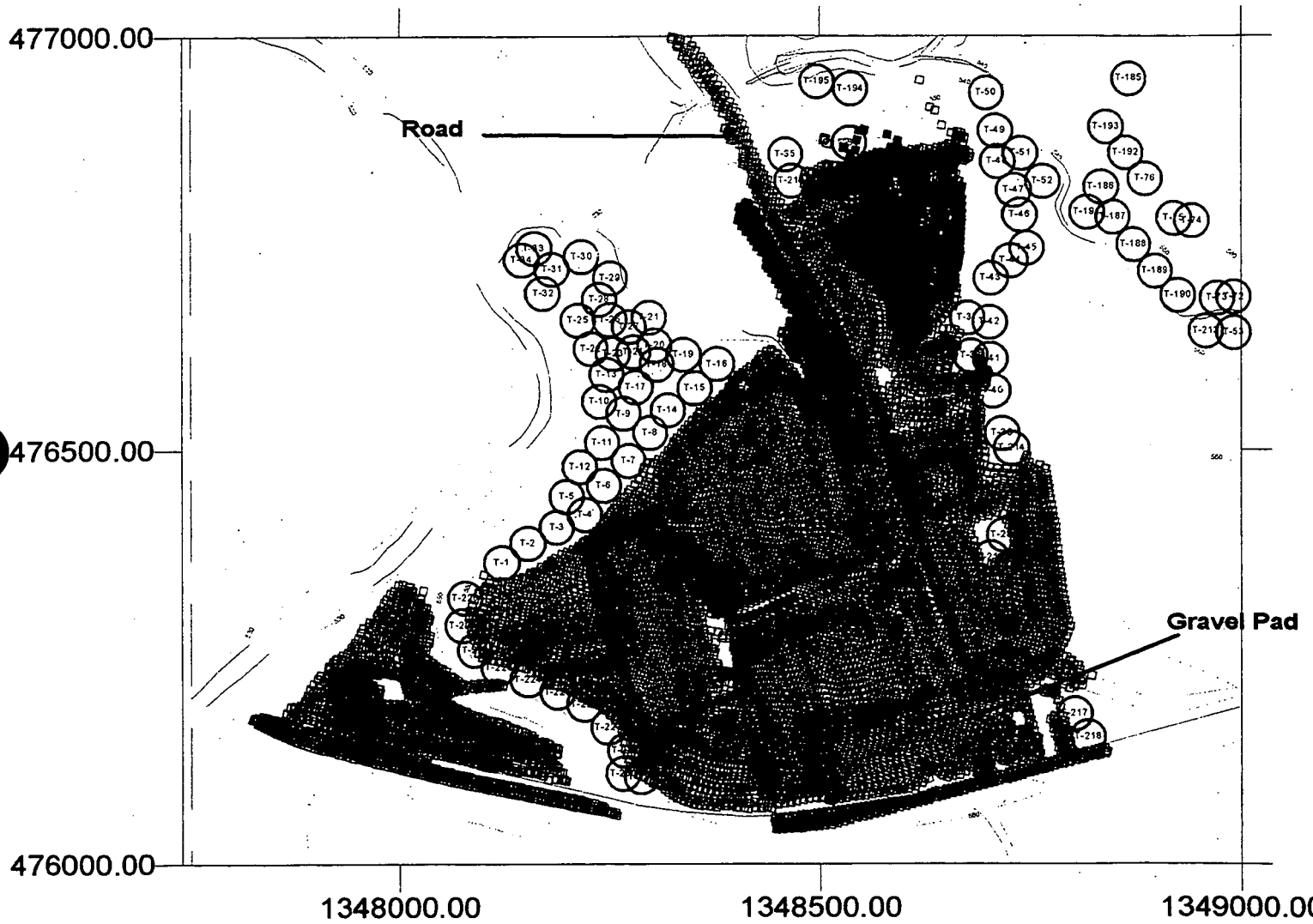
(includes sections # 5,6,7,12,13,&18)

2318

## Total Counts per Second (cps)

**One Spectra, no average**
**Coverage Plot, Field Of View to Scale**
**No HPGE cps, locations provided for coverage only**

N




Legend
cps

- 1000.00 to 1500.00
- 1500.00 to 2000.00
- 2000.00 to 2500.00
- 2500.00 to 3100.00

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Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP1_TC_1PT_MC.srf
Date Prepared: 3/30/99

# MAP #2

(includes acre # 3,4,10,&11)

## Total Counts per Second (cps)

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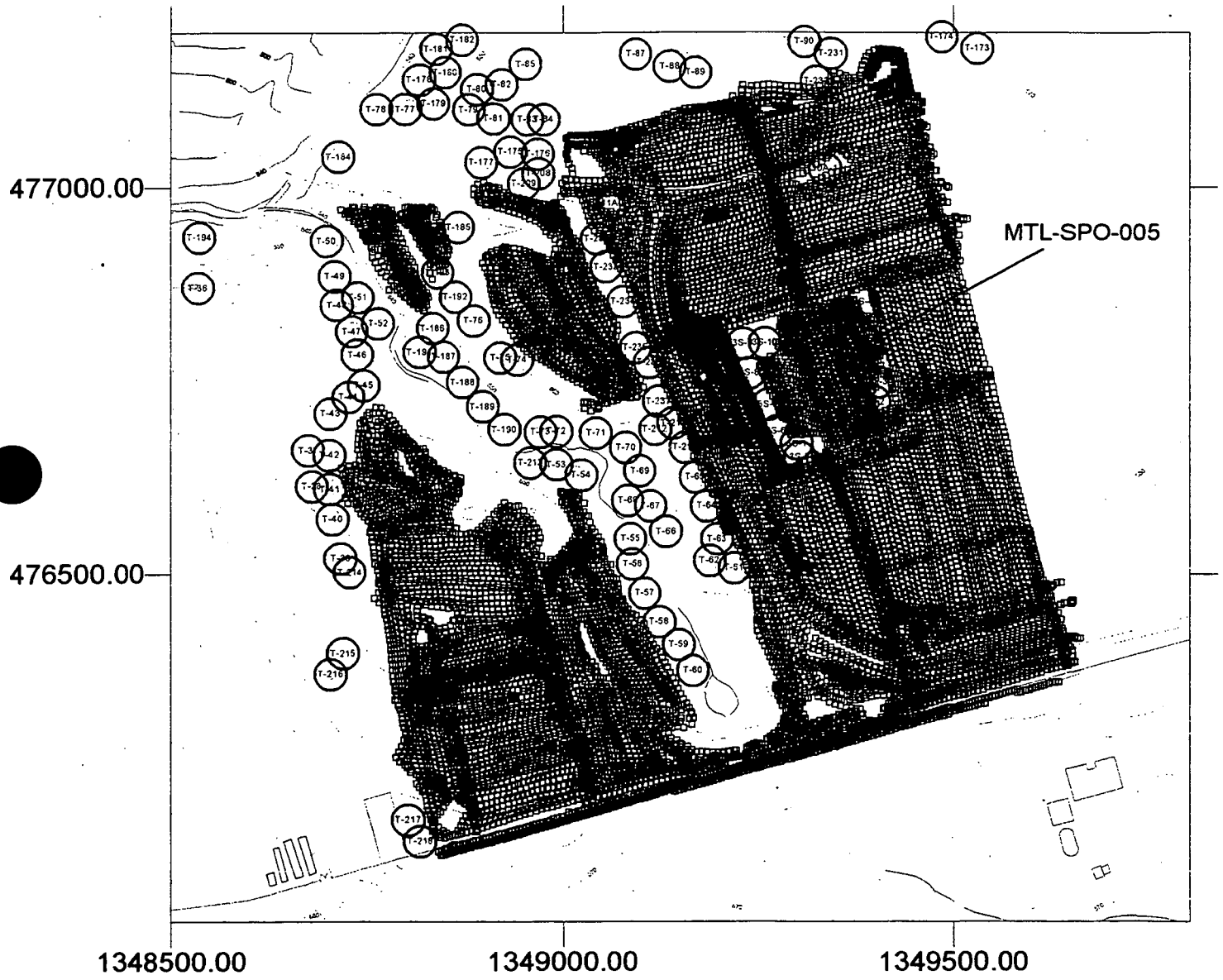
Coverage Plot, Field Of View to Scale
No HPGE cps, locations provided for coverage only

N




Legend
cps

- 1000.00 to 1500.00
- 1500.00 to 2000.00
- 2000.00 to 2500.00
- 2500.00 to 3000.00

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Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2_TC_1PT_MC.srf
Date Prepared: 3/30/99

# MAP # 3

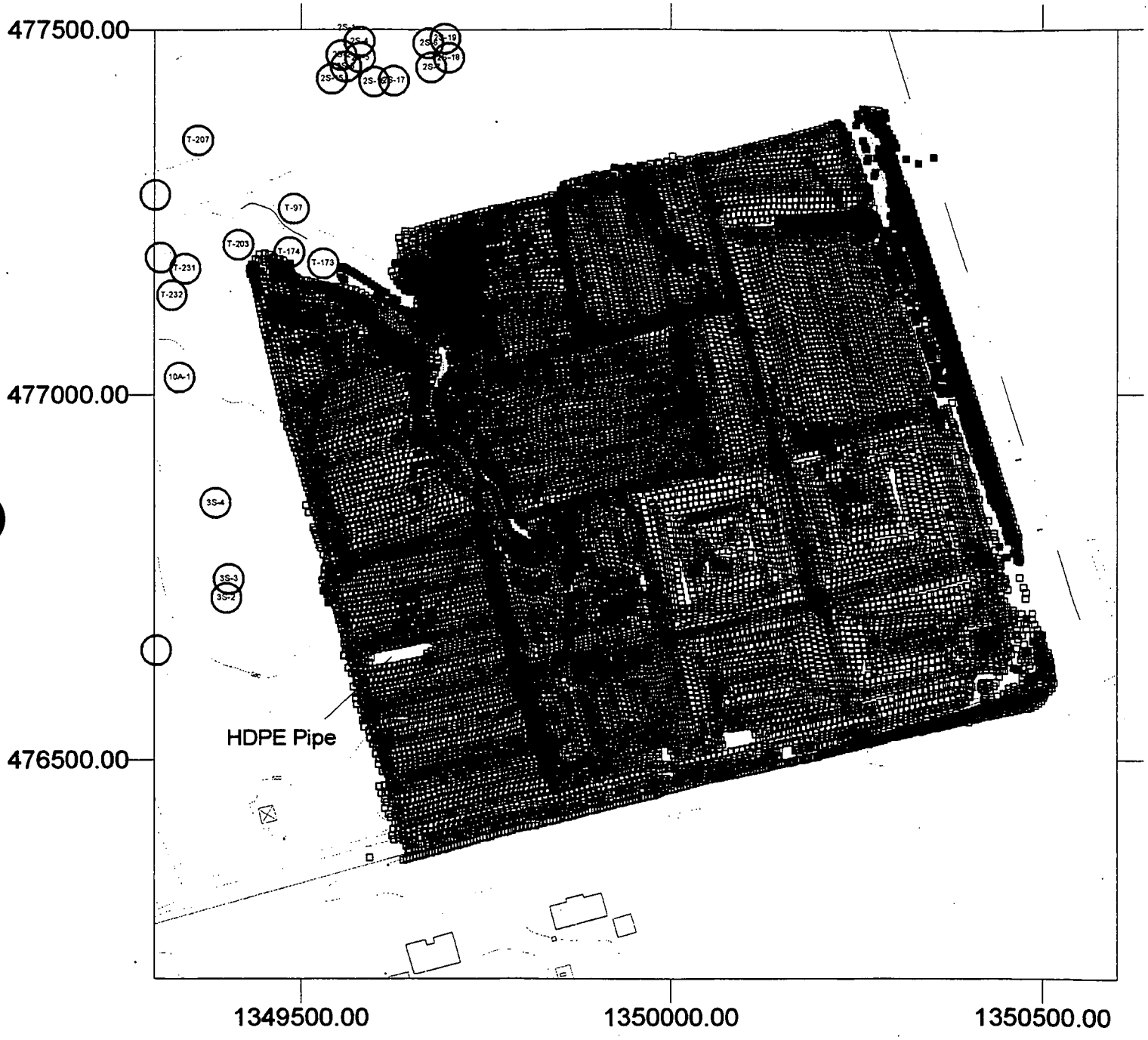
(includes sections # 1,2,8,9)

2318

## Total Counts per Second (cps)

One Spectra, no average
Coverage Plot, Field Of View to Scale
No HPGE cps, locations provided for coverage only

N




Legend
cps

- 1000.00 to 1500.00
- 1500.00 to 2000.00
- 2000.00 to 2500.00
- 2500.00 to 3000.00

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Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3_TC_1PT_MC.srf
Date Prepared: 3/30/99

000097

# MAP # 4

(includes sections # 16,17, 21, & 22)

2318

## Total Counts per Second (cps)

One Spectra, no average
Coverage Plot, Field of View to Scale
No HPGE cps, locations provided for coverage only

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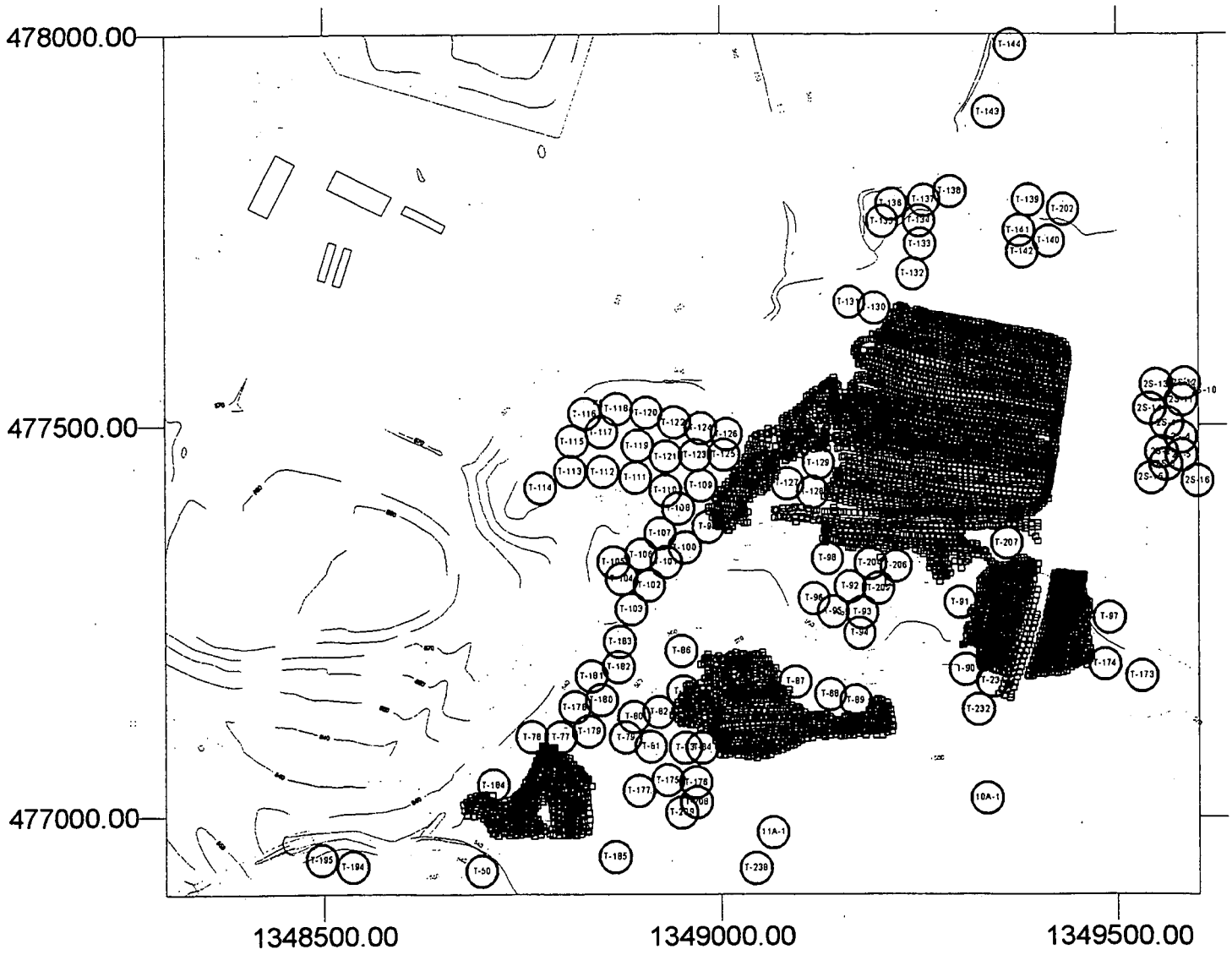


Legend
cps

- 1000.00 to 1500.00
- 1500.00 to 2000.00
- 2000.00 to 2500.00
- 2500.00 to 10000.00

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Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP4_TC_1PT_MC.srf
Date Prepared: 3/30/99

000098

# MAP #5

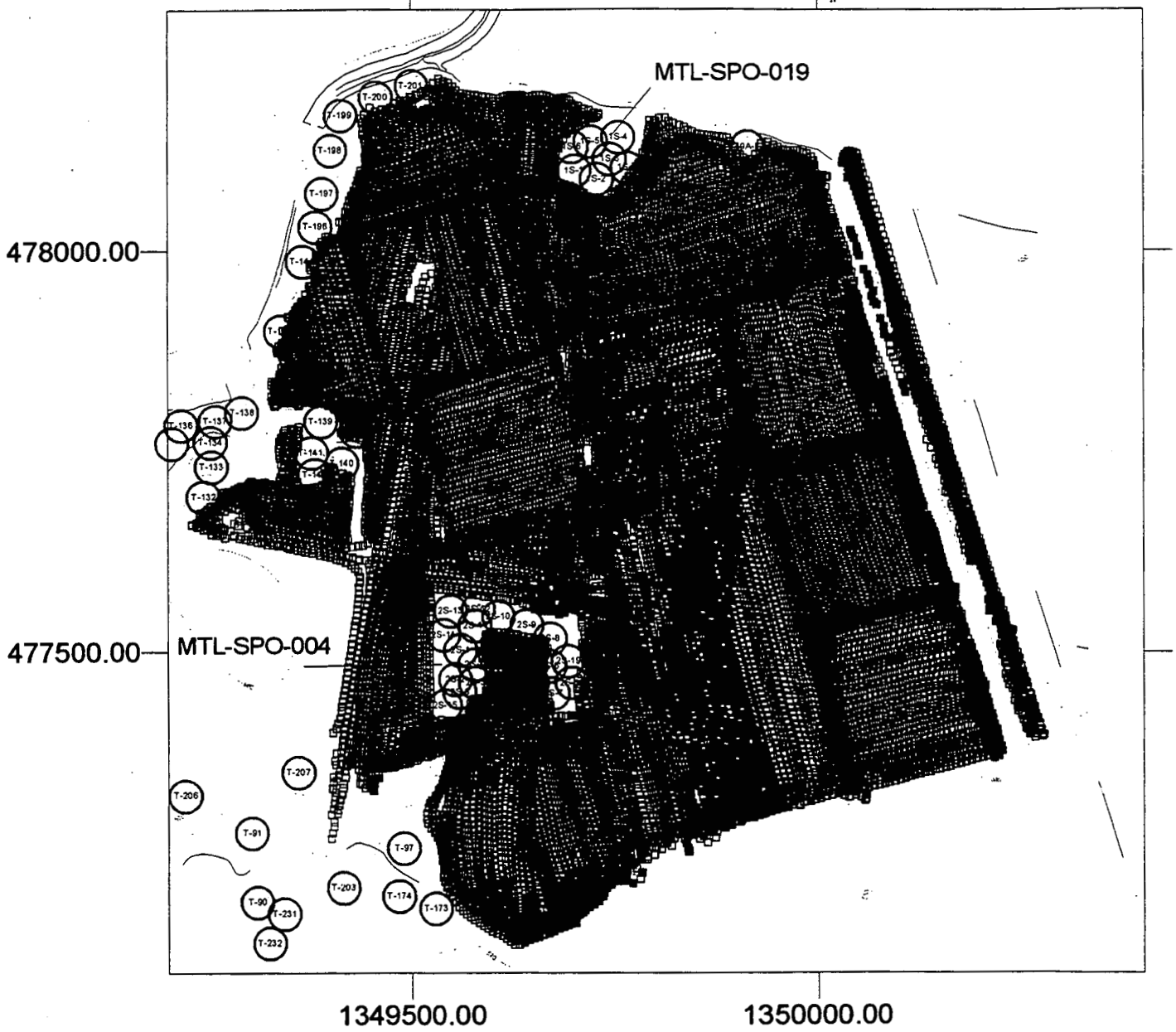
(includes sections # 14,15,19,&20)

2318

## Total Counts per Second (cps)

N

One Spectra, no average
Coverage Plot, Field Of View to Scale
No HPGE cps, locations provided for coverage only




Legend
cps

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- 2000.00 to 2500.00
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Prepared by: David Allen
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Date Prepared: 3/30/99

# SOIL PILE 2

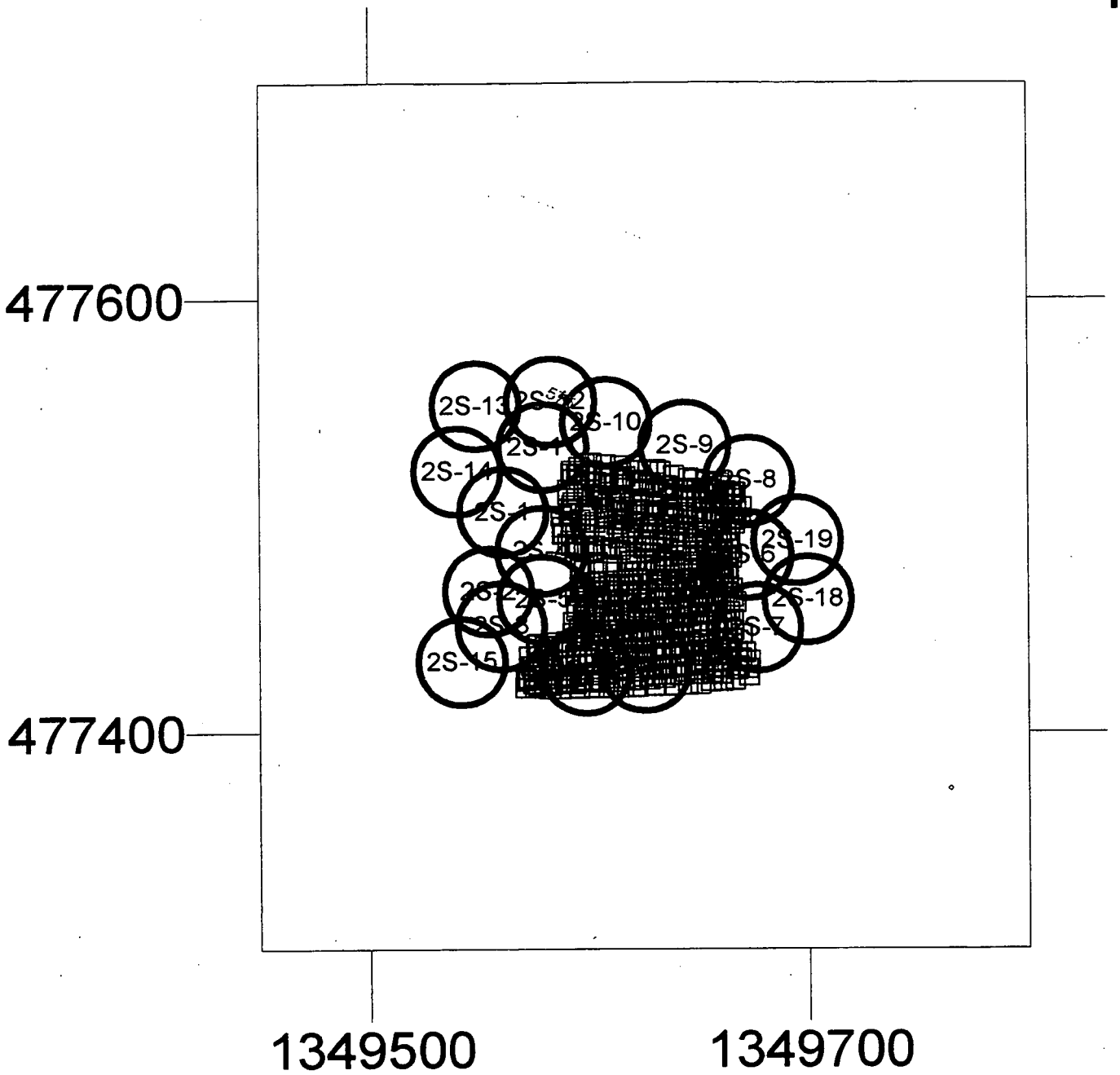
(MTL-SPO-004)

2318

## Total Counts per Second (cps)

One Spectra, no average
Coverage Plot, Field Of View to Scale
No HPGE, locations provided for coverage only

N




Legend
cps

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- 1500.00 to 2000.00
- 2000.00 to 2500.00
- 2500.00 to 3000.00

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Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2S_TC_1PT_MC.srf
Date Prepared: 3/30/99

000100

# SOIL PILE 3

(MTL-SPO-005)

2318

## Total Counts per Second (cps)

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Coverage Plot, Field Of View to Scale
No HPGE cps, location provided for coverage only

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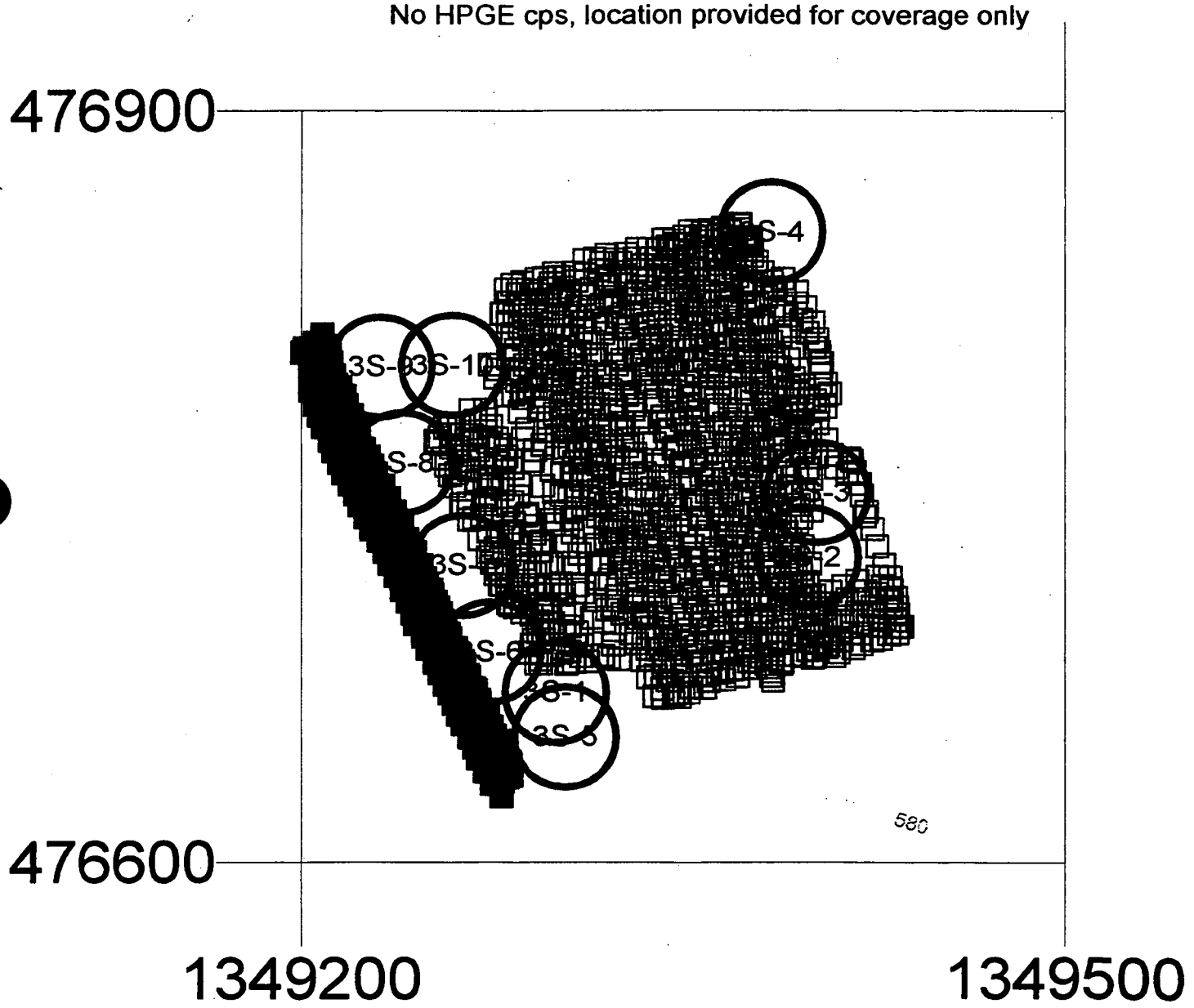


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cps

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- 1500.00 to 2000.00
- 2000.00 to 2500.00
- 2500.00 to 3000.00

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Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3S_TC_1PT_MC.srf
Date Prepared: 3/30/99

000101

# APPENDIX B

# MOBILE NaI AND PHASE 1 HPGe TOTAL URANIUM RESULTS

# MAP # 1

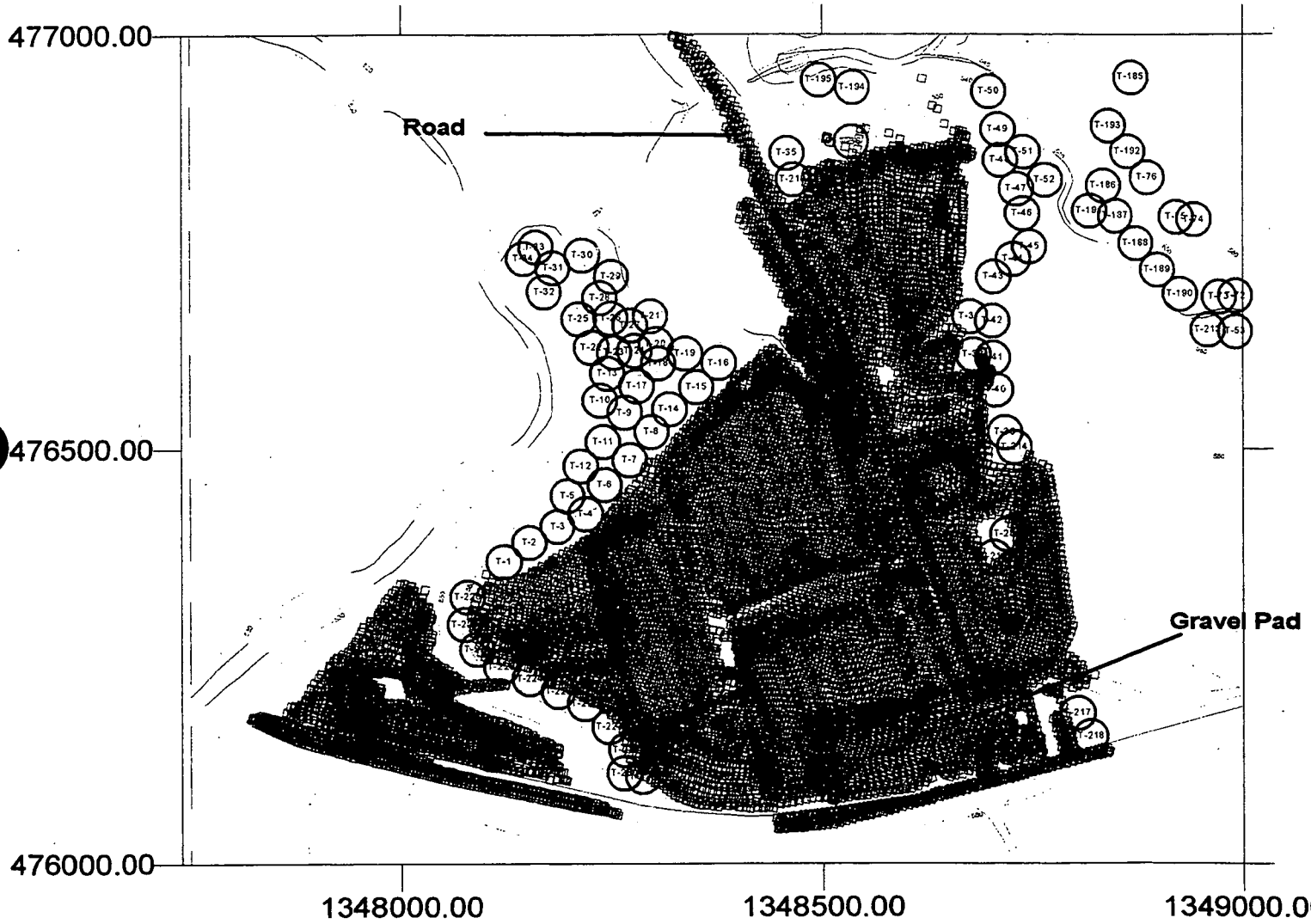
(includes sections # 5,6,7,12,13,&18)

2318

## Total Uranium (ppm)

**Moisture Corrected**
**Two Spectra running average**
**Coverage Plot, Field Of View to Scale**

N




Legend
Total Uranium (ppm)

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- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

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Prepared by: David Allen
File: A2P3_P1_MAP1_TU_2PT_MC.srf
Date Prepared: 3/30/99

# MAP #2

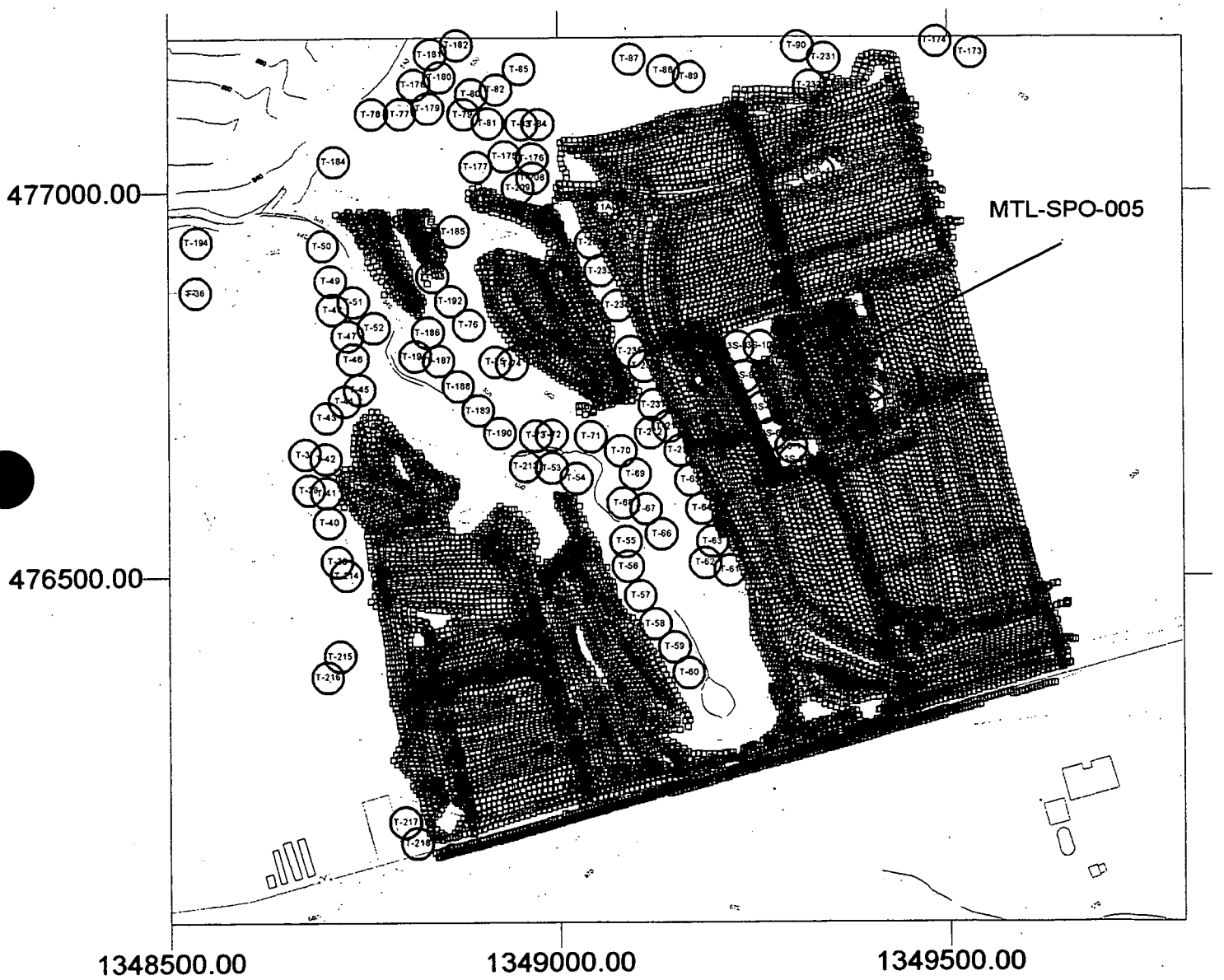
(includes acre # 3,4,10,&11)

2318

## Total Uranium (ppm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Total Uranium (ppm)

- -60.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP2-TU-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2_TU_2PT_MC.srf
Date Prepared: 3/30/99

# MAP # 3

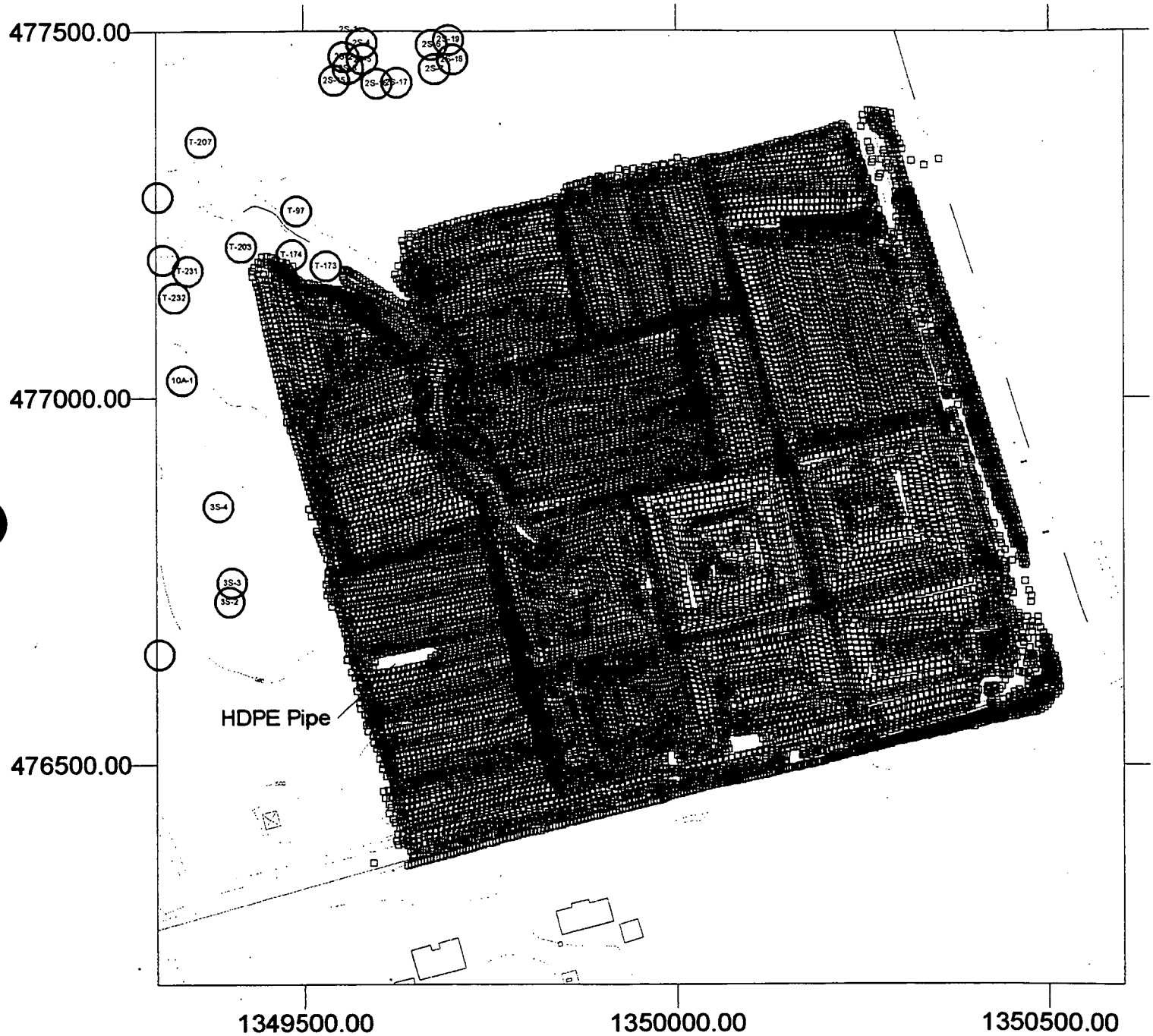
(includes sections # 1,2,8,9)

## Total Uranium (ppm)

2318

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
ppm

- -56.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP3-TU-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3_TU_2PT_MC.srf
Date Prepared: 3/30/99

000105

# MAP # 4

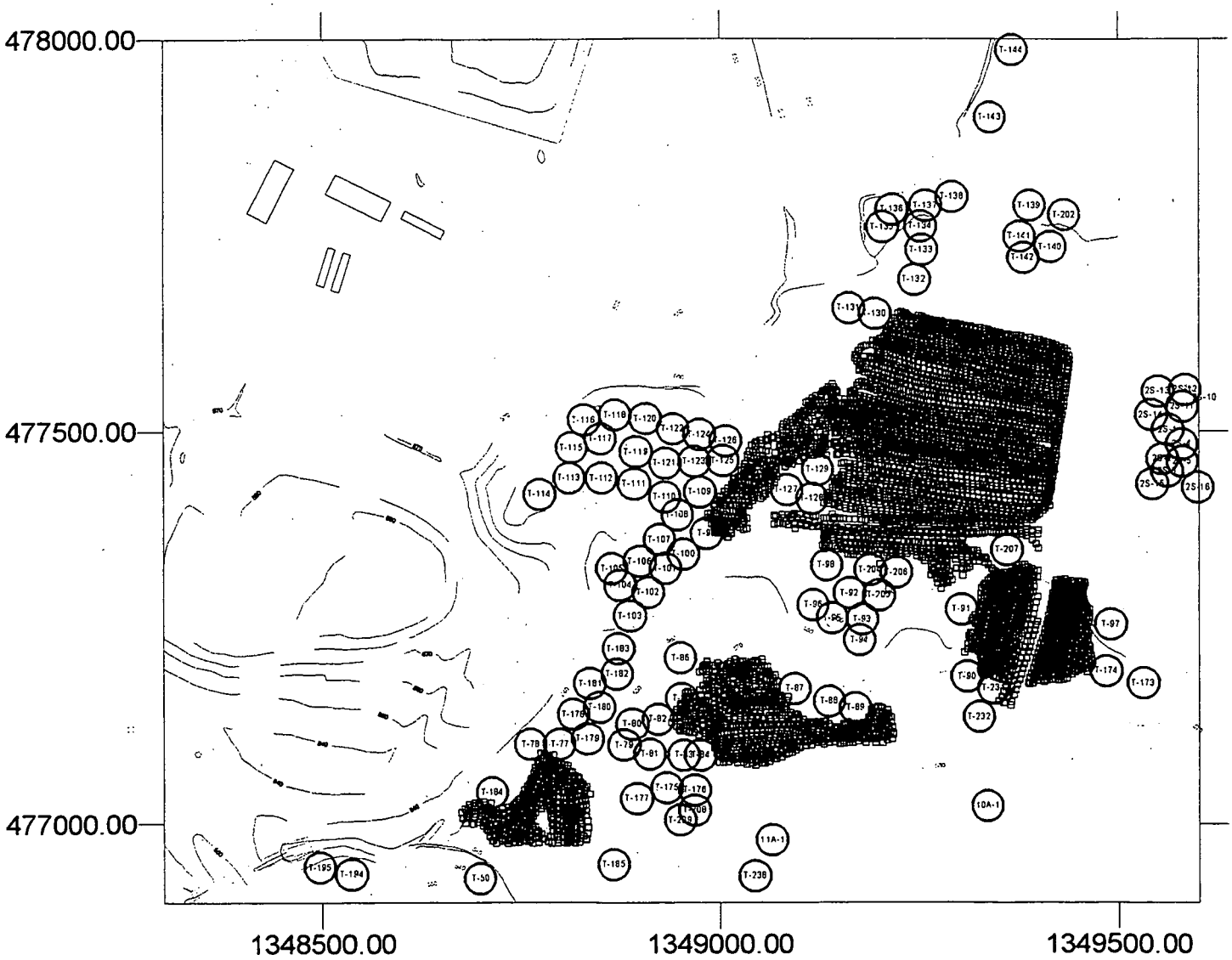
(includes sections # 16,17, 21, & 22)

2318

## Total Uranium (ppm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field of View to Scale

N




Legend
ppm

- -59.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP4-TU-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP4_TU_2PT_MC.srf
Date Prepared: 3/30/99

000106

# MAP #5

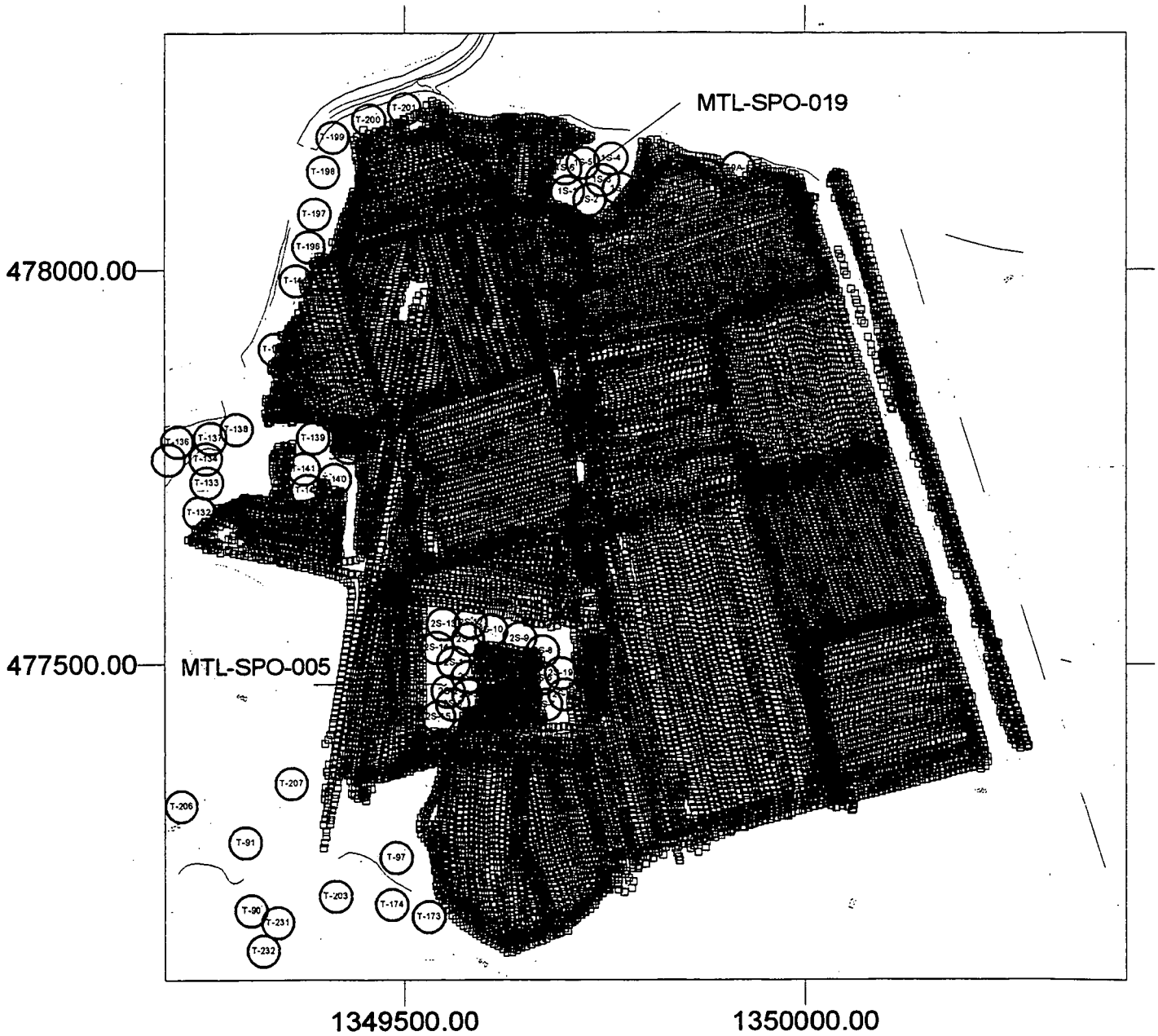
(includes sections # 14,15,19,&20)

## Total Uranium (ppm)

2318

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Total Uranium (ppm)

- -60.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP5-TU-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP5_TU_2PT_MC.srf
Date Prepared: 3/30/99

000107

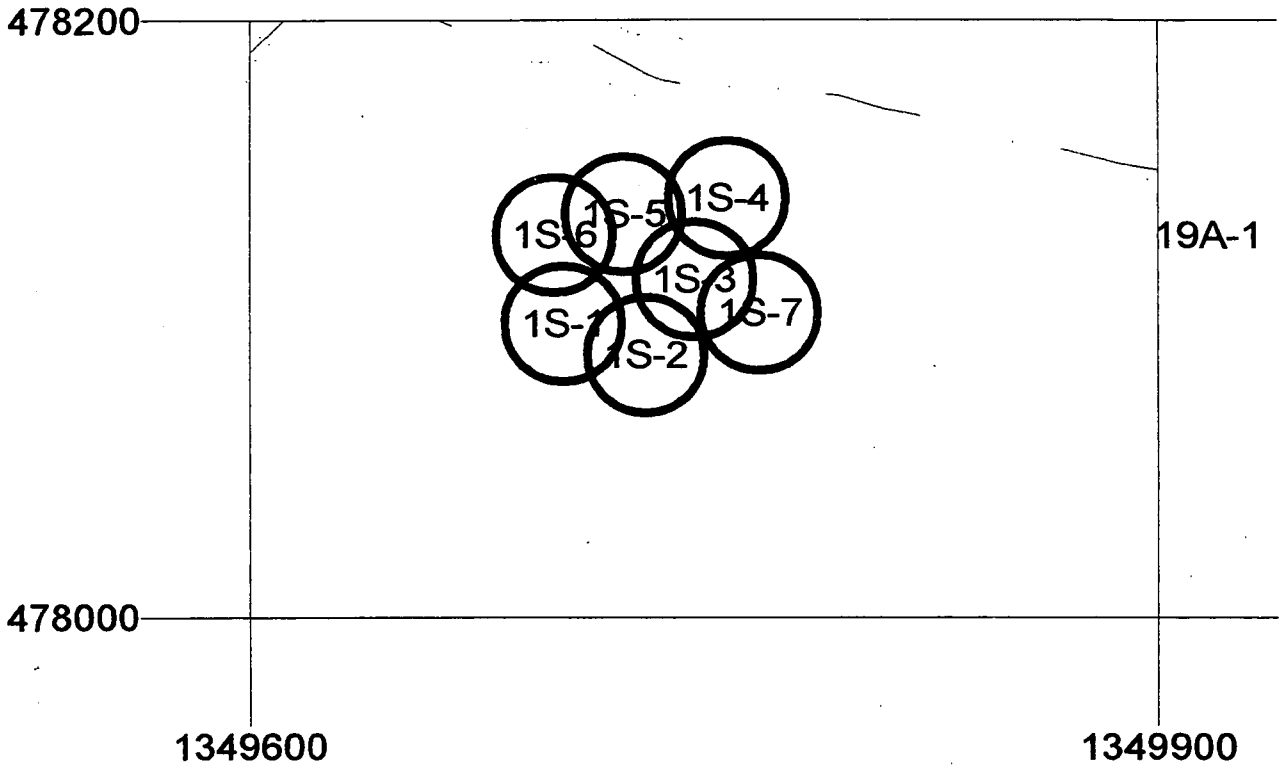
# SOIL PILE 1

(MTL-SPO-019)

2318

## Total Uranium (ppm)

Moisture Corrected
One Spectra, no average
Coverage Plot, Field Of View to Scale




Legend
Total Uranium (ppm)

- 0.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP1S-TU-1PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP1S_TU_1PT_MC.srf
Date Prepared: 3/30/99

# SOIL PILE 2

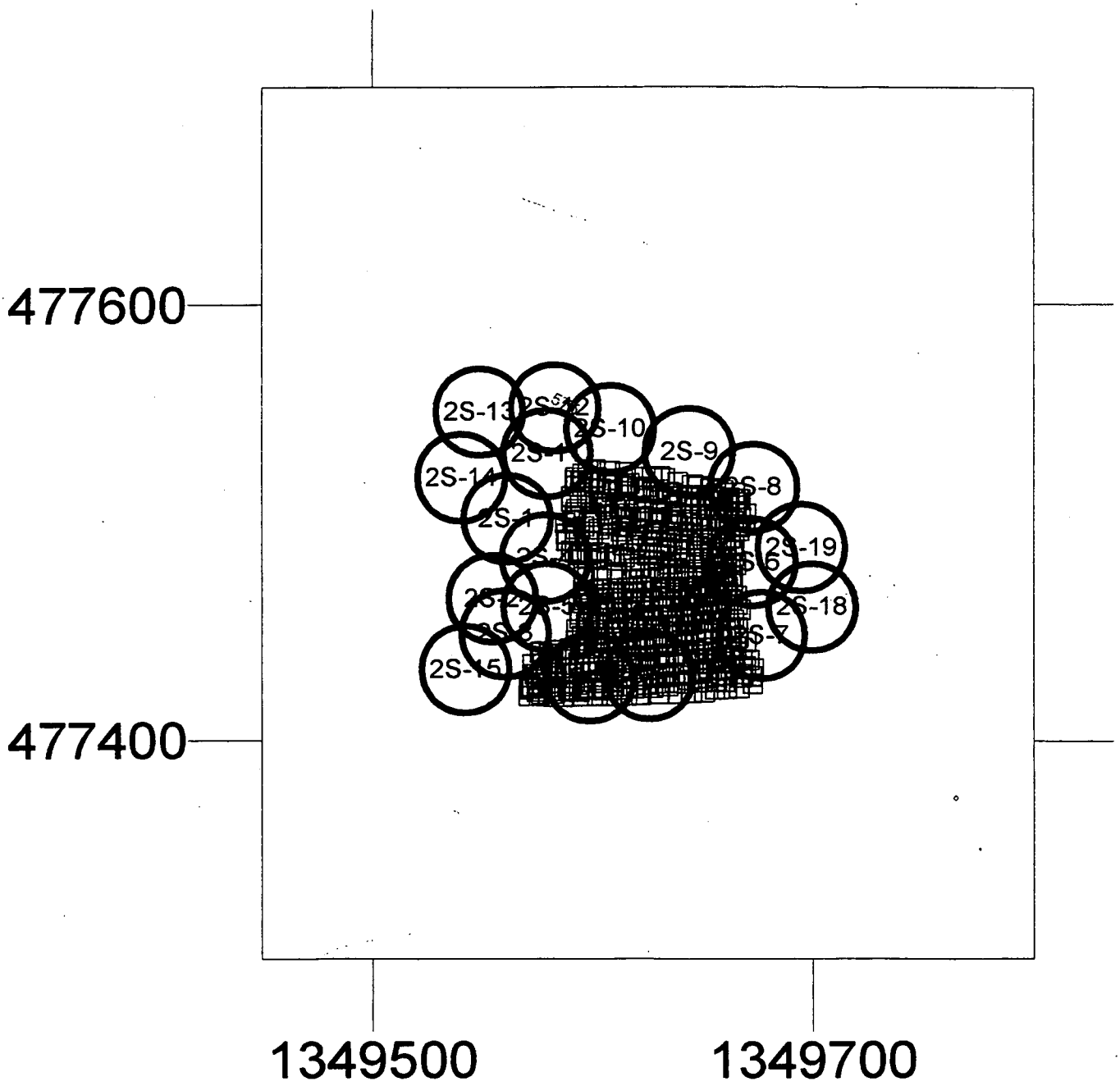
(MTL-SPO-004)

2318

## Total Uranium (ppm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Total Uranium (ppm)

- -40.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP2S-TU-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2S_TU_2PT_MC.srf
Date Prepared: 3/30/99

000109

# SOIL PILE 3

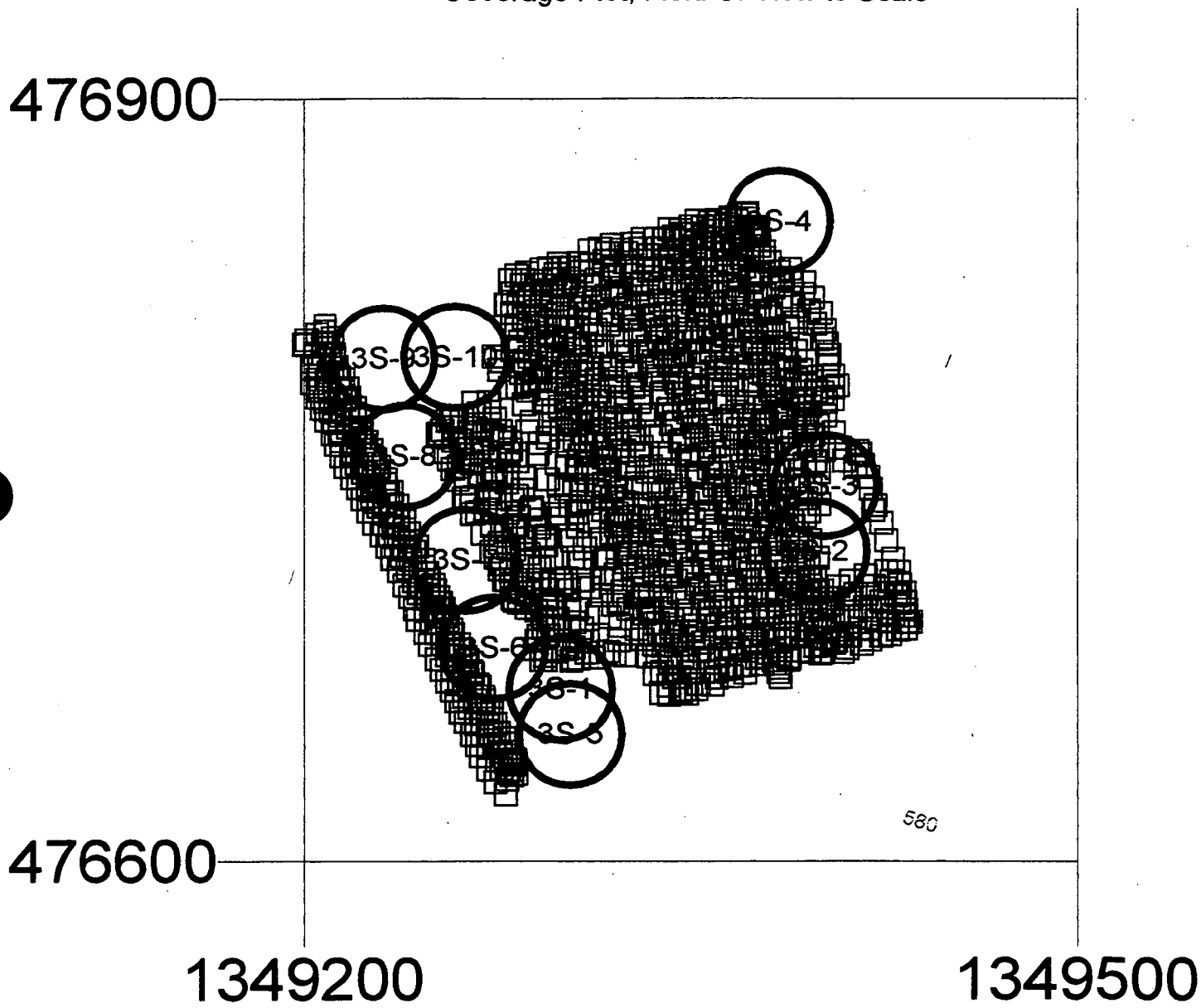
(MTL-SPO-005)

2318

## Total Uranium (ppm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Total Uranium (ppm)

- -60.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP3S-TU-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3S_TU_2PT_MC.srf
Date Prepared: 3/30/99

000110

# SOIL PILE 4

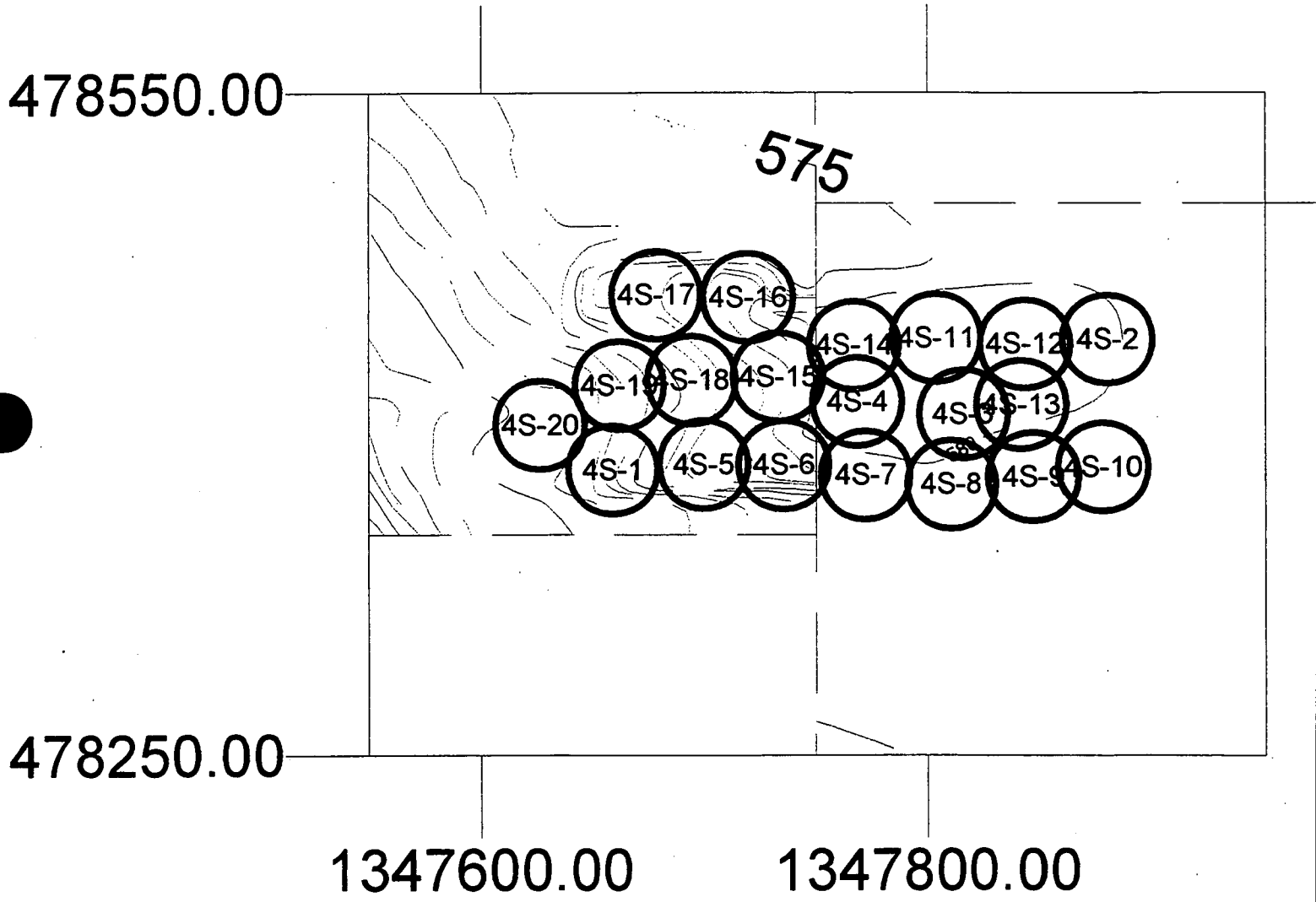
(MTL-HRD-011)

2318

## Total Uranium (ppm)

Moisture Corrected
One Spectra, no average
Coverage Plot, Field Of View to Scale

N




Legend
Total Uranium (ppm)

- 0.00 to 82.00
- 82.00 to 164.00
- 164.00 to 246.00
- 246.00 to 400.00
- 400.00 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP4S-TU-1PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP4S_TU_1PT_MC.srf
Date Prepared: 3/30/99

# APPENDIX B
## HPGe RESULTS FOR TOTAL URANIUM

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | TOTAL URANIUM (ppm) |
|---|---|---|---|---|
| A2P3-P1-1S-1-G | 478098.41 | 1349703.46 | 100cm | 9.61 |
| A2P3-P1-1S-2-G | 478140.33 | 1349757.44 | 100cm | 9.54 |
| A2P3-P1-1S-3-G | 478113.16 | 1349746.76 | 100cm | 8.93 |
| A2P3-P1-1S-4-G | 478140.33 | 1349757.44 | 100cm | 7.06 |
| A2P3-P1-1S-4-G-D | 478140.33 | 1349757.44 | 100cm | 7.58 |
| A2P3-P1-1S-5-G | 478135.02 | 1349723.38 | 100cm | 6.76 |
| A2P3-P1-1S-6-G | 478128.18 | 1349700.65 | 100cm | 10.40 |
| A2P2-P1-1S-7-G | 478102.04 | 1349768.25 | 100cm | 11.80 |
| A2P3-P1-2S-1-G | 477501.71 | 1349561.21 | 100cm | 6.11 |
| A2P3-P1-2S-2-G | 477465.03 | 1349554.42 | 100cm | 8.70 |
| A2P3-P1-2S-3-G | 477448.99 | 1349560.14 | 100cm | 9.34 |
| A2P3-P1-2S-4-G | 477483.73 | 1349578.52 | 100cm | 0.06 |
| A2P3-P1-2S-5-G | 477461.21 | 1349579.4 | 100cm | 6.43 |
| A2P3-P1-2S-6-G | 477481.71 | 1349672.3 | 100cm | 11.40 |
| A2P3-P1-2S-7-G | 477448.06 | 1349676.63 | 100cm | 10.70 |
| A2P3-P1-2S-8-G | 477516.01 | 1349673 | 100cm | 6.87 |
| A2P3-P1-2S-9-G | 477532.35 | 1349643.97 | 100cm | 10.40 |
| A2P3-P1-2S-10-G | 477543.01 | 1349608.07 | 100cm | 8.88 |
| A2P3-P1-2S-11-G | 477531.59 | 1349579.34 | 100cm | 5.84 |
| A2P2-P1-2S-12-G | 477552.73 | 1349582.89 | 100cm | 7.63 |
| A2P3-P1-2S-13-G | 477550.68 | 1349548.54 | 100cm | 13.10 |
| A2P2-P1-2S-14-G | 477520.55 | 1349540.15 | 100cm | 0.08 |
| A2P2-P1-2S-14-G-D | 477520.55 | 1349540.15 | 100cm | 10.30 |
| A2P3-P1-2S-15-G | 477432.49 | 1349542.05 | 100cm | 0.05 |
| A2P3-P1-2S-16-G | 477428.57 | 1349598.93 | 100cm | 6.76 |
| A2P3-P1-2S-17-G | 477429.95 | 1349625.9 | 100cm | 11.90 |
| A2P3-P1-2S-18-G | 477461.31 | 1349699.89 | 100cm | 11.80 |
| A2P3-P1-2S-19-G | 477488.33 | 1349695 | 100cm | 11.50 |
| A2P3-P1-3S-1-G | 476667.66 | 1349299.87 | 100cm | 10.50 |
| A2P3-P1-3S-2-G | 476721.93 | 1349398.9 | 100cm | 0.06 |
| A2P3-P1-3S-3-G | 476747.62 | 1349402.6 | 100cm | 8.19 |
| A2P3-P1-3S-4-G | 476851.5 | 1349384.65 | 100cm | 7.05 |
| A2P3-P1-3S-5-G | 476650.04 | 1349303.65 | 100cm | 10.00 |
| A2P3-P1-3S-6-G | 476683.9 | 1349274.07 | 100cm | 12.00 |
| A2P3-P1-3S-7-G | 476718.54 | 1349263.38 | 100cm | 8.96 |
| A2P3-P1-3S-8-G | 476759.35 | 1349239.43 | 100cm | 10.80 |
| A2P3-P1-3S-9-G | 476797.71 | 1349231.25 | 100cm | 8.87 |
| A2P3-P1-3S-10-G | 476798.26 | 1349259.33 | 100cm | 11.70 |
| A2P3-P1-4S-1-G | 478379.31 | 1347659.17 | 100cm | 8.39 |
| A2P3-P1-4S-2-G | 478438.17 | 1344880.14 | 100cm | 7.09 |
| A2P3-P1-4S-3-G | 478404.4 | 1347816.13 | 100cm | 10.70 |
| A2P3-P1-4S-4-G | 478410.05 | 1347768.52 | 100cm | 11.80 |
| A2P3-P1-4S-4-G-D | 478410.05 | 1347768.52 | 100cm | 12.80 |
| A2P3-P1-4S-5-G | 478381.76 | 1347699.99 | 100cm | 9.68 |
| A2P3-P1-4S-6-G | 478381.63 | 1347735.57 | 100cm | 10.20 |
| A2P3-P1-4S-7-G | 478376.97 | 1347772.27 | 100cm | 8.37 |
| A2P3-P1-4S-8-G | 478372.87 | 1347810.77 | 100cm | 8.31 |
| A2P3-P1-4S-9-G | 478376.07 | 1347847.33 | 100cm | 9.09 |
| A2P3-P1-4S-10-G | 478380.56 | 1347877.97 | 100cm | 9.12 |
| A2P3-P1-4S-11-G | 478438.93 | 1347803.84 | 100cm | 9.32 |

## APPENDIX B
## HPGe RESULTS FOR TOTAL URANIUM

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | TOTAL URANIUM (ppm) |
|---|---|---|---|---|
| A2P3-P1-4S-12-G | 478436.17 | 1347843.51 | 100cm | 10.30 |
| A2P3-P1-4S-13-G | 478408.73 | 1347841.87 | 100cm | 11.60 |
| A2P3-P1-4S-14-G | 478435.7 | 1347767.17 | 100cm | 12.30 |
| A2P3-P1-4S-15-G | 478421.27 | 1347733.25 | 100cm | 15.50 |
| A2P3-P1-4S-16-G | 478457.33 | 1347719.71 | 100cm | 10.10 |
| A2P3-P1-4S-17-G | 478458.43 | 1347678.6 | 100cm | 10.20 |
| A2P3-P1-4S-18-G | 478419.95 | 1347694.64 | 100cm | 13.90 |
| A2P3-P1-4S-19-G | 478417.42 | 1347662 | 100cm | 11.30 |
| A2P3-P1-4S-20-G | 478399.65 | 1347626.61 | 100cm | 9.25 |
| A2P3-P1-T-1-G | 476363.31 | 1348121.87 | 100cm | 7.55 |
| A2P3-P1-T-2-G | 476386.61 | 1348151.89 | 100cm | 8.02 |
| A2P3-P1-T-3-G | 476406.03 | 1348186.29 | 100cm | 9.02 |
| A2P3-P1-T-4-G | 476421.29 | 1348219.75 | 100cm | 0.07 |
| A2P3-P1-T-5-G | 476442.9 | 1348198.16 | 100cm | 10.50 |
| A2P3-P1-T-6-G | 476456.77 | 1348242.41 | 100cm | 0.06 |
| A2P3-P1-T-7-G | 476486.47 | 1348272.35 | 100cm | 0.05 |
| A2P3-P1-T-8-G | 476520.27 | 1348298.27 | 100cm | 8.78 |
| A2P3-P1-T-9-G | 476543.15 | 1348265.99 | 100cm | 11.30 |
| A2P3-P1-T-10-G | 476557.96 | 1348237.22 | 100cm | 8.65 |
| A2P3-P1-T-11-G | 476508.15 | 1348240.07 | 100cm | 10.10 |
| A2P3-P1-T-12-G | 476479.13 | 1348213.83 | 100cm | 9.90 |
| A2P3-P1-T-13-G* | 476590.46 | 1348245.5 | 100cm | 9.46 |
| A2P3-P1-T-14-G | 476547.47 | 1348319 | 100cm | 0.08 |
| A2P3-P1-T-15-G | 476574.26 | 1348350.99 | 100cm | 9.66 |
| A2P3-P1-T-15-G-D | 476574.26 | 1348350.99 | 100cm | 11.20 |
| A2P3-P1-T-16-G | 476602.98 | 1348378.02 | 100cm | 12.50 |
| A2P3-P1-T-17-G | 476575.26 | 1348280.95 | 100cm | 12.20 |
| A2P3-P1-T-18-G | 476602.84 | 1348306.03 | 100cm | 9.63 |
| A2P3-P1-T-19-G | 476614.52 | 1348337.82 | 100cm | 9.25 |
| A2P3-P1-T-20-G | 476626.17 | 1348303.25 | 100cm | 9.29 |
| A2P3-P1-T-21-G | 476659.64 | 1348296.59 | 100cm | 10.90 |
| A2P3-P1-T-22-G | 476621.58 | 1348226.79 | 100cm | 7.51 |
| A2P3-P1-T-23-G | 476616.17 | 1348253.44 | 100cm | 9.55 |
| A2P3-P1-T-24-G | 476618.04 | 1348278.34 | 100cm | 15.00 |
| A2P3-P1-T-25-G | 476656.34 | 1348211.88 | 100cm | 8.31 |
| A2P3-P1-T-26-G | 476657.27 | 1348250 | 100cm | 8.09 |
| A2P3-P1-T-27-G | 476648.45 | 1348272.71 | 100cm | 10.50 |
| A2P3-P1-T-28-G | 476681.9 | 1348236.76 | 100cm | 7.67 |
| A2P3-P1-T-29-G | 476707.74 | 1348250.2 | 100cm | 7.76 |
| A2P3-P1-T-30-G | 476733.6 | 1348216.15 | 100cm | 18.10 |
| A2P3-P1-T-31-G | 476718.11 | 1348180.93 | 100cm | 28.60 |
| A2P3-P1-T-32-G | 476688.81 | 1348170.2 | 100cm | 19.00 |
| A2P3-P1-T-33-G | 476743.5 | 1348159.65 | 100cm | 14.70 |
| A2P3-P1-T-34-G | 476729.6 | 1348145.22 | 100cm | 10.90 |
| A2P3-P1-T-35-G | 476856.55 | 1348458.54 | 100cm | 0.07 |
| A2P3-P1-T-36-G | 476869.95 | 1348534.79 | 100cm | 8.29 |
| A2P3-P1-T-37-G | 476659.36 | 1348675.26 | 100cm | 10.80 |
| A2P3-P1-T-38-G | 476613.13 | 1348679.44 | 100cm | 12.10 |
| A2P3-P1-T-39-G | 476519.82 | 1348716.1 | 100cm | 9.14 |
| A2P3-P1-T-40-G | 476570.78 | 1348705.83 | 100cm | 13.00 |

# APPENDIX B
## HPGe RESULTS FOR TOTAL URANIUM

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | TOTAL URANIUM (ppm) |
|---|---|---|---|---|
| A2P3-P1-T-41-G | 476609.4 | 1348702.46 | 100cm | 12.80 |
| A2P3-P1-T-42-G | 476653.74 | 1348702.03 | 100cm | 12.00 |
| A2P3-P1-T-43-G | 4766707.16 | 1348703.36 | 100cm | 11.20 |
| A2P3-P1-T-44-G | 476728.16 | 1348726.16 | 100cm | 6.40 |
| A2P3-P1-T-45-G | 476743.59 | 1348745.49 | 100cm | 11.90 |
| A2P3-P1-T-46-G | 476783.06 | 1348737.39 | 100cm | 8.96 |
| A2P3-P1-T-47-G | 476813.25 | 1348730.43 | 100cm | 9.51 |
| A2P3-P1-T-48-G | 476847.57 | 1348711.22 | 100cm | 15.30 |
| A2P3-P1-T-49-G | 476884.85 | 1348708.8 | 100cm | 15.40 |
| A2P3-P1-T-50-G | 476930.36 | 1348698.01 | 100cm | 9.12 |
| A2P3-P1-T-51-G | 476857.52 | 1348738.28 | 100cm | 12.00 |
| A2P3-P1-T-52-G | 476823.75 | 1348764.43 | 100cm | 11.10 |
| A2P3-P1-T-53-G | 476640.97 | 1348991.62 | 100cm | 9.73 |
| A2P3-P1-T-54-G | 476627.58 | 1349023.09 | 100cm | 0.05 |
| A2P3-P1-T-55-G | 476545.11 | 1349086.6 | 100cm | 0.05 |
| A2P3-P1-T-56-G | 476512.47 | 1349089.4 | 100cm | 8.13 |
| A2P3-P1-T-57-G | 476474.72 | 1349105.04 | 100cm | 6.48 |
| A2P3-P1-T-58-G | 476437.77 | 1349123.94 | 100cm | 7.15 |
| A2P3-P1-T-59-G | 476408.14 | 1349148.66 | 100cm | 7.99 |
| A2P3-P1-T-60-G | 476374.22 | 1349166.89 | 100cm | 0.03 |
| A2P3-P1-T-61-G | 476507.5 | 1349220 | 100cm | 8.79 |
| A2P3-P1-T-62-G | 476517.16 | 1349188.48 | 100cm | 12.60 |
| A2P3-P1-T-63-G | 476544.73 | 1349198.13 | 100cm | 11.00 |
| A2P3-P1-T-64-G | 476587.62 | 1349184.8 | 100cm | 0.08 |
| A2P3-P1-T-65-G | 476624.99 | 1349170 | 100cm | 10.60 |
| A2P3-P1-T-66-G | 476554.65 | 1349132.45 | 100cm | 11.90 |
| A2P3-P1-T-67-G | 476587.51 | 1349112.67 | 100cm | 10.90 |
| A2P3-P1-T-68-G | 476594.77 | 1349083.43 | 100cm | 10.70 |
| A2P3-P1-T-69-G | 476632.75 | 1349098.81 | 100cm | 10.90 |
| A2P3-P1-T-70-G | 476662.92 | 1349080.68 | 100cm | 9.47 |
| A2P3-P1-T-71-G | 476681.83 | 1349041.95 | 100cm | 10.70 |
| A2P3-P1-T-72-G | 476683.95 | 1348991.61 | 100cm | 11.90 |
| A2P3-P1-T-73-G | 476682.9 | 1348971.41 | 100cm | 11.90 |
| A2P3-P1-T-74-G | 476776.2 | 1348941.47 | 100cm | 9.92 |
| A2P3-P1-T-75-G | 476778.99 | 1348920.13 | 100cm | 8.79 |
| A2P3-P1-T-76-G | 476827.31 | 1348885.95 | 100cm | 10.80 |
| A2P3-P1-T-77-G | 477101.22 | 1348798.44 | 100cm | 21.70 |
| A2P3-P1-T-78-G | 477101.36 | 1348761.88 | 100cm | 24.10 |
| A2P3-P1-T-79-G | 477100.63 | 1348879.73 | 100cm | 14.10 |
| A2P3-P1-T-80-G | 477127.11 | 1348889.9 | 100cm | 12.90 |
| A2P3-P1-T-81-G | 477089.1 | 1348911.37 | 100cm | 14.70 |
| A2P3-P1-T-82-G* | 477133.26 | 1348921.66 | 100cm | 12.60 |
| A2P3-P1-T-82-G-D | 477123.86 | 1348918.5 | 100cm | 11.90 |
| A2P3-P1-T-83-G* | 477087.7 | 1348954.66 | 100cm | 14.40 |
| A2P3-P1-T-83-G-D* | 477087.7 | 1348954.66 | 100cm | 15.20 |
| A2P3-P1-T-84-G* | 477088.04 | 1348975.51 | 100cm | 14.30 |
| A2P3-P1-T-85-G | 477159.76 | 1348952.02 | 100cm | 16.20 |
| A2P3-P1-T-86-G | 477211.63 | 1348950.25 | 100cm | 15.30 |
| A2P3-P1-T-87-G | 477172.21 | 1349093.42 | 100cm | 11.30 |
| A2P3-P1-T-88-G | 477156.33 | 1349137.25 | 100cm | 10.60 |

## APPENDIX B
## HPGe RESULTS FOR TOTAL URANIUM

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | TOTAL URANIUM (ppm) |
|---|---|---|---|---|
| A2P3-P1-T-89-G | 477148.26 | 1349170.15 | 100cm | 12.60 |
| A2P3-P1-T-90-G | 477188.05 | 1349309.07 | 100cm | 7.95 |
| A2P3-P1-T-91-G | 477273.66 | 1349302.34 | 100cm | 11.00 |
| A2P3-P1-T-92-G | 477294.01 | 1349163.08 | 100cm | 12.70 |
| A2P3-P1-T-93-G | 477260.68 | 1349178.9 | 100cm | 14.40 |
| A2P3-P1-T-94-G | 477234.47 | 1349175.68 | 100cm | 10.40 |
| A2P3-P1-T-95-G | 477262.08 | 1349141.32 | 100cm | 14.90 |
| A2P3-P1-T-96-G | 477278.97 | 1349116.81 | 100cm | 16.90 |
| A2P3-P1-T-97-G | 477254.57 | 1349490.36 | 100cm | 14.10 |
| A2P3-P1-T-97-G-D | 477254.57 | 1349490.36 | 100cm | 16.60 |
| A2P3-P1-T-98-G | 477329.81 | 1349134.06 | 100cm | 14.80 |
| A2P3-P1-T-99-G | 477369.93 | 1348983.62 | 100cm | 12.90 |
| A2P3-P1-T-100-G | 477343.51 | 1348954.49 | 100cm | 8.91 |
| A2P3-P1-T-101-G | 477325.15 | 1348931.46 | 100cm | 0.06 |
| A2P3-P1-T-102-G | 477295.06 | 1348909.76 | 100cm | 8.55 |
| A2P3-P1-T-103-G | 477426.9 | 1348778.97 | 100cm | 6.58 |
| A2P3-P1-T-104-G | 477303.86 | 1348875.08 | 100cm | 16.20 |
| A2P3-P1-T-105-G | 477325.2 | 1348864.79 | 100cm | 17.80 |
| A2P3-P1-T-106-G | 477334.24 | 1348899.42 | 100cm | 12.20 |
| A2P3-P1-T-107-G | 477361.86 | 1348923.8 | 100cm | 13.40 |
| A2P3-P1-T-108-G | 477393.64 | 1348946.62 | 100cm | 17.40 |
| A2P3-P1-T-109-G | 477422.6 | 1348975.15 | 100cm | 16.10 |
| A2P3-P1-T-110-G | 477416.45 | 1348930.58 | 100cm | 16.50 |
| A2P3-P1-T-111-G | 477432.93 | 1348892.68 | 100cm | 16.30 |
| A2P3-P1-T-112-G | 477440.31 | 1348851.99 | 100cm | 13.60 |
| A2P3-P1-T-112-G-D | 477440.31 | 1348851.99 | 100cm | 10.50 |
| A2P3-P1-T-113-G | 477440.67 | 1348810.72 | 100cm | 17.40 |
| A2P3-P1-T-114-G | 477419.77 | 1348773.39 | 100cm | 15.50 |
| A2P3-P1-T-115-G | 477478.99 | 1348813.89 | 100cm | 15.10 |
| A2P3-P1-T-116-G | 477514.18 | 1348829.61 | 100cm | 17.30 |
| A2P3-P1-T-117-G | 477490.67 | 1348850.48 | 100cm | 16.60 |
| A2P3-P1-T-118-G | 477520.8 | 1348868.92 | 100cm | 18.60 |
| A2P3-P1-T-119-G | 477473.62 | 1348894.98 | 100cm | 14.00 |
| A2P3-P1-T-120-G | 477515.67 | 1348906.64 | 100cm | 17.70 |
| A2P3-P1-T-121-G | 477459.45 | 1348931.37 | 100cm | 15.80 |
| A2P3-P1-T-122-G | 477503.12 | 1348941.3 | 100cm | 17.70 |
| A2P3-P1-T-123-G | 477461.36 | 1348968.12 | 100cm | 15.60 |
| A2P3-P1-T-124-G | 477495.79 | 1348974.68 | 100cm | 16.90 |
| A2P3-P1-T-125-G | 477462.24 | 1349003.81 | 100cm | 15.10 |
| A2P3-P1-T-126-G | 477487.81 | 1349007.39 | 100cm | 17.90 |
| A2P3-P1-T-127-G | 477425.5 | 1349083.19 | 100cm | 15.20 |
| A2P3-P1-T-128-G | 477414.3 | 1349115.27 | 100cm | 13.20 |
| A2P3-P1-T-129-G | 477451.12 | 1349122.83 | 100cm | 16.50 |
| A2P3-P1-T-130-G | 477649.58 | 1349195.03 | 100cm | 18.30 |
| A2P3-P1-T-131-G | 477656.78 | 1349162.61 | 100cm | 15.70 |
| A2P3-P1-T-132-G | 477692.91 | 1349243.99 | 100cm | 13.10 |
| A2P3-P1-T-133-G | 477730.78 | 1349253.63 | 100cm | 12.90 |
| A2P3-P1-T-134-G | 477760.95 | 1349252.22 | 100cm | 12.70 |
| A2P3-P1-T-135-G | 477759.61 | 1349205.05 | 100cm | 14.30 |
| A2P3-P1-T-136-G | 477782.34 | 1349216.68 | 100cm | 15.40 |

# APPENDIX B
## HPGe RESULTS FOR TOTAL URANIUM

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | TOTAL URANIUM (ppm) |
|---|---|---|---|---|
| A2P3-P1-T-137-G | 477787.04 | 1349258.39 | 100cm | 0.03 |
| A2P3-P1-T-138-G | 477798.13 | 1349291 | 100cm | 9.12 |
| A2P3-P1-T-139-G | 477786.91 | 1349388.3 | 100cm | 10.40 |
| A2P3-P1-T-140-G | 477734.32 | 1349414.58 | 100cm | 10.80 |
| A2P3-P1-T-141-G | 477747.76 | 1349376.38 | 100cm | 12.90 |
| A2P3-P1-T-141-G-D | 477747.76 | 1349376.38 | 100cm | 15.80 |
| A2P3-P1-T-142-G | 477720.73 | 1349380.58 | 100cm | 12.20 |
| A2P3-P1-T-143-G | 477899.44 | 1349338.82 | 100cm | 14.00 |
| A2P3-P1-T-144-G | 477985.98 | 1349366.21 | 100cm | 11.10 |
| A2P3-P1-T-173-G | 477179.76 | 1349530.36 | 100cm | 9.17 |
| A2P3-P1-T-174-G | 477195.04 | 1349484.72 | 100cm | 8.56 |
| A2P3-P1-T-175-G | 477046.05 | 1348932.87 | 100cm | 10.80 |
| A2P3-P1-T-176-G | 477043.27 | 1348968.13 | 100cm | 10.70 |
| A2P3-P1-T-176-G-D | 477043.27 | 1348968.13 | 100cm | 8.75 |
| A2P3-P1-T-177-G | 477032.44 | 1348895.91 | 100cm | 9.50 |
| A2P3-P1-T-178-G | 477139.4 | 1348816.16 | 100cm | 26.80 |
| A2P3-P1-T-179-G | 477108.72 | 1348834.16 | 100cm | 14.10 |
| A2P3-P1-T-180-G | 477148.68 | 1348849.32 | 100cm | 18.80 |
| A2P3-P1-T-181-G | 477178.92 | 1348837.17 | 100cm | 29.00 |
| A2P3-P1-T-182-G | 477190.84 | 1348871.04 | 100cm | 15.30 |
| A2P3-P1-T-183-G | 477223.42 | 1348872.9 | 100cm | 11.40 |
| A2P3-P1-T-184-G | 477039.69 | 1348713.33 | 100cm | 17.40 |
| A2P3-P1-T-185-G | 476948.29 | 1348866.44 | 100cm | 0.05 |
| A2P3-P1-T-186-G | 476817.11 | 1348833.15 | 100cm | 11.40 |
| A2P3-P1-T-187-G | 476780.39 | 1348847.17 | 100cm | 11.50 |
| A2P3-P1-T-188-G | 476747.27 | 1348871.81 | 100cm | 11.00 |
| A2P3-P1-T-189-G | 476715.63 | 1348897.68 | 100cm | 7.23 |
| A2P3-P1-T-190-G | 476686.1 | 1348924.95 | 100cm | 8.25 |
| A2P3-P1-T-191-G | 476786.37 | 1348816.52 | 100cm | 7.81 |
| A2P3-P1-T-192-G | 476858.22 | 1348862.63 | 100cm | 9.67 |
| A2P3-P1-T-193-G | 476889.6 | 1348839.44 | 100cm | 10.20 |
| A2P3-P1-T-194-G | 476935.69 | 1348536.45 | 100cm | 9.95 |
| A2P3-P1-T-195-G | 476944.61 | 1348496.7 | 100cm | 0.04 |
| A2P3-P1-T-196-G | 478029.11 | 1349382.13 | 100cm | 17.30 |
| A2P3-P1-T-197-G | 478070.45 | 1349389.62 | 100cm | 8.92 |
| A2P3-P1-T-198-G | 478123.96 | 1349400.39 | 100cm | 10.00 |
| A2P3-P1-T-199-G | 478168.08 | 1349412.71 | 100cm | 12.80 |
| A2P2-P1-T-200-G | 478190.16 | 1349456.6 | 100cm | 8.72 |
| A2P2-P1-T-201-G | 478204.79 | 1349500.74 | 100cm | 16.00 |
| A2P2-P1-T-202-G | 477775.01 | 1349432.48 | 100cm | 6.72 |
| A2P3-P1-T-203-G | 477205.79 | 1349415.59 | 100cm | 5.91 |
| A2P3-P1-T-204-G | 477323.77 | 1349189.03 | 100cm | 12.2 |
| A2P3-P1-T-205-G | 477291.57 | 1349199.93 | 100cm | 14.4 |
| A2P3-P1-T-206-G | 477320.34 | 1349221.56 | 100cm | 12.9 |
| A2P3-P1-T-207-G | 477348.99 | 1349360.34 | 100cm | 0.0286 |
| A2P3-P1-T-208-G | 477017.93 | 1348968.72 | 100cm | 11 |
| A2P3-P1-T-209-G | 477004.96 | 1348950.11 | 100cm | 7.37 |
| A2P3-P1-T-210-G | 476663.33 | 1349156.89 | 100cm | 9.21 |
| A2P3-P1-T-211-G | 476694.43 | 1349142.3 | 100cm | 11.1 |
| A2P3-P1-T-212-G | 476686.57 | 1349118.42 | 100cm | 13.2 |

## APPENDIX B
## HPGe RESULTS FOR TOTAL URANIUM

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | TOTAL URANIUM (ppm) |
|---|---|---|---|---|
| A2P3-P1-T-213-G | 476643.22 | 1348958.26 | 100cm | 8.18 |
| A2P3-P1-T-214-G | 476501.79 | 1348727.62 | 100cm | 6.97 |
| A2P3-P1-T-215-G | 476396.67 | 1348719.4 | 100cm | 0.0389 |
| A2P3-P1-T-216-G | 476369.43 | 1348703.31 | 100cm | 0.0362 |
| A2P3-P1-T-217-G | 476180.9 | 1348801.78 | 100cm | 0.0269 |
| A2P3-P1-T-218-G | 476153.39 | 1348817.24 | 100cm | 7.46 |
| A2P3-P1-T-219-G | 476824.59 | 1348465.87 | 100cm | 0.0546 |
| A2P3-P1-T-220-G | 476320.79 | 1348079.24 | 100cm | 12.5 |
| A2P3-P1-T-221-G | 476287.63 | 1348075.9 | 100cm | 9.13 |
| A2P3-P1-T-222-G | 476257.93 | 1348090.57 | 100cm | 7.46 |
| A2P3-P1-T-223-G | 476236.85 | 1348119.11 | 100cm | 0.057 |
| A2P3-P1-T-224-G | 476222.26 | 1348152.24 | 100cm | 0.0393 |
| A2P3-P1-T-225-G | 476206.61 | 1348186.77 | 100cm | 7.23 |
| A2P3-P1-T-226-G | 476192.35 | 1348218.45 | 100cm | 0.0542 |
| A2P3-P1-T-227-G | 476164 | 1348246.75 | 100cm | 0.062 |
| A2P3-P1-T-228-G | 476136.51 | 1348266.63 | 100cm | 7.8 |
| A2P3-P1-T-229-G | 476104.55 | 1348286.84 | 100cm | 7.82 |
| A2P3-P1-T-230-G | 476108.63 | 1348264.86 | 100cm | 8.31 |
| A2P3-P1-T-231-G | 477172.87 | 1349342.95 | 100cm | 6.74 |
| A2P3-P1-T-232-G | 477136.63 | 1349324.52 | 100cm | 0.0311 |
| A2P3-P1-T-233-G | 476896.96 | 1349055.14 | 100cm | 10.4 |
| A2P3-P1-T-234-G | 476852.01 | 1349076.81 | 100cm | 8.89 |
| A2P3-P1-T-235-G | 476792.29 | 1349093.08 | 100cm | 12.1 |
| A2P3-P1-T-236-G | 476772.82 | 1349111.05 | 100cm | 9.31 |
| A2P3-P1-T-237-G | 476722.67 | 1349123.25 | 100cm | 7.24 |
| A2P3-P1-T-238-G | 476933.63 | 1349043.01 | 100cm | 7.78 |
| A2P3-P1-10A-1-G | 477023.4 | 1349335.38 | 100cm | 0.06 |
| A2P3-P1-11A-1-G | 476979.12 | 1349064.97 | 100cm | 10.80 |
| A2P2-P1-19A-1-G | 478127.84 | 1349916.19 | 100cm | 6.51 |
| | | | **AVERAGE RESULT** | **10.42** |
| | | | **MINIMUM RESULT** | **0.03** |
| | | | **MAXIMUM RESULT** | **29.00** |
| | | | | |
| * Measurement taken twice in error; highest result is reported. | | | | |

000117

# APPENDIX C

# MOBILE NaI AND PHASE 1 HPGe THORIUM-232 RESULTS

# MAP # 1

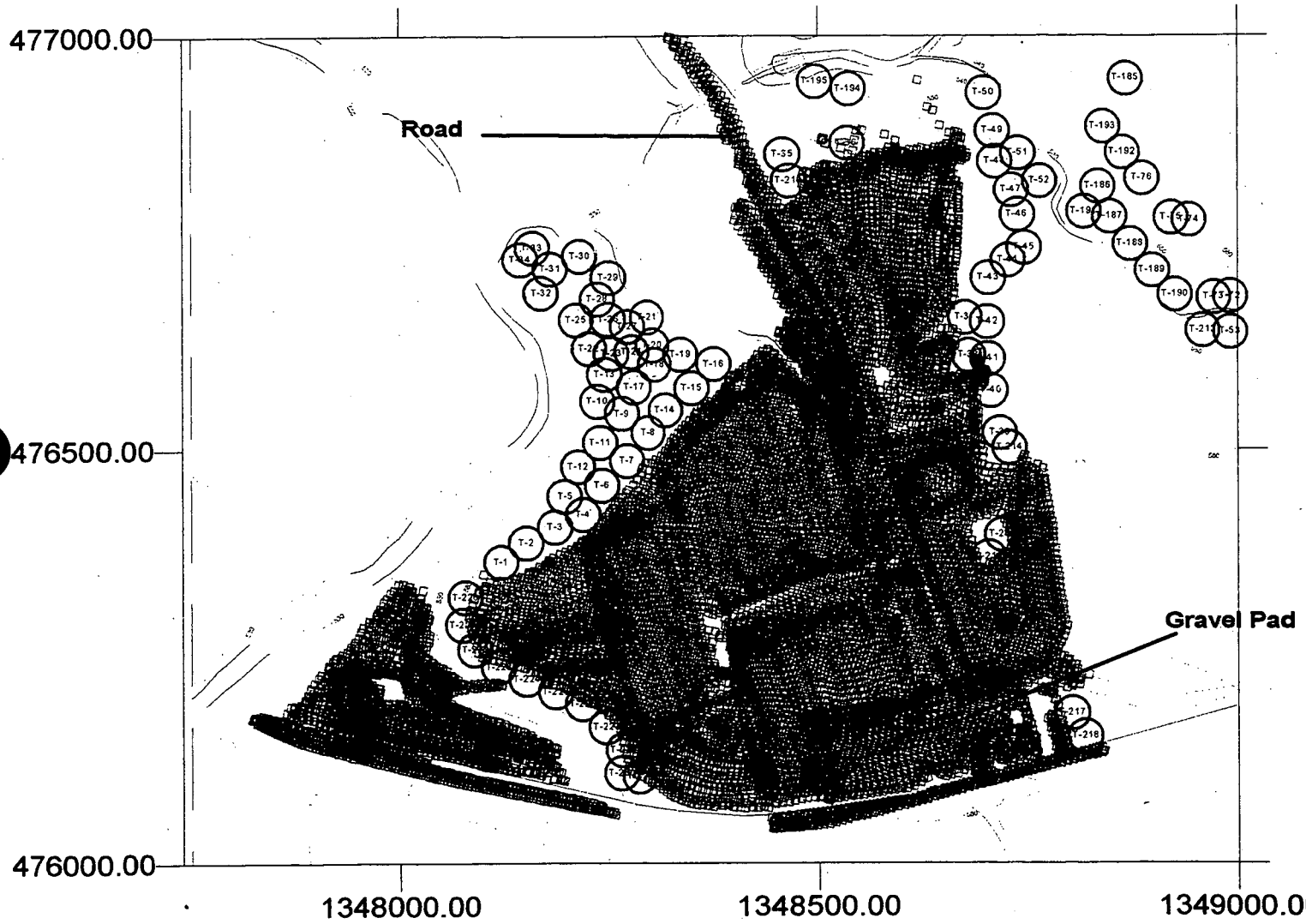
2318

(includes sections # 5,6,7,12,13,&18)

## Thorium 232 (pCi/gm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Th-232 (pCi/gm)

- -0.20 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP1-TH-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP1_TH_2PT_MC.srf
Date Prepared: 3/30/99

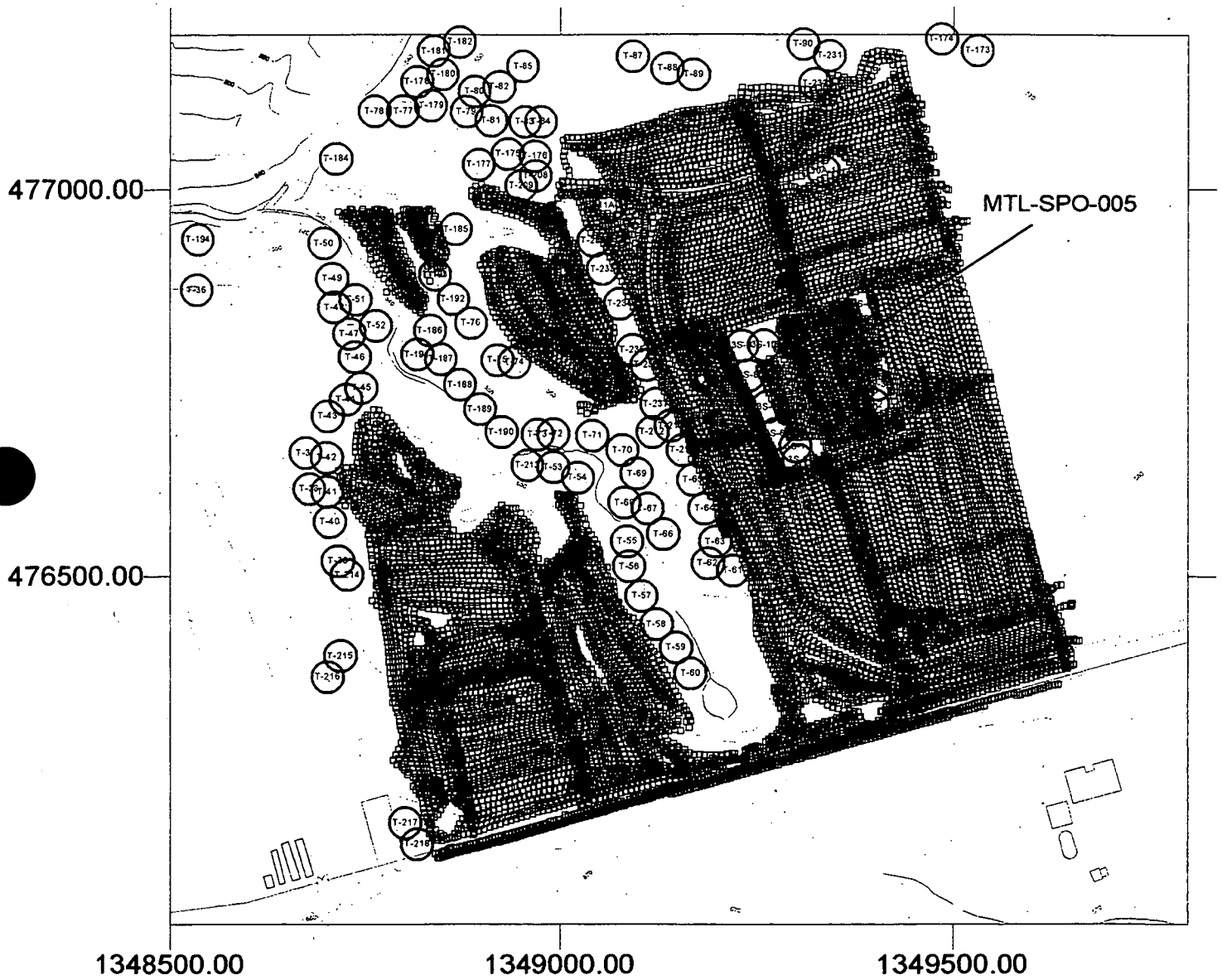
# MAP #2

(includes acre # 3,4,10,&11)

## Thorium 232 (pCi/gm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Th-232 (pCi/gm)

- -0.20 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP2-TH-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2_TH_2PT_MC.srf
Date Prepared: 3/30/99

# MAP # 3

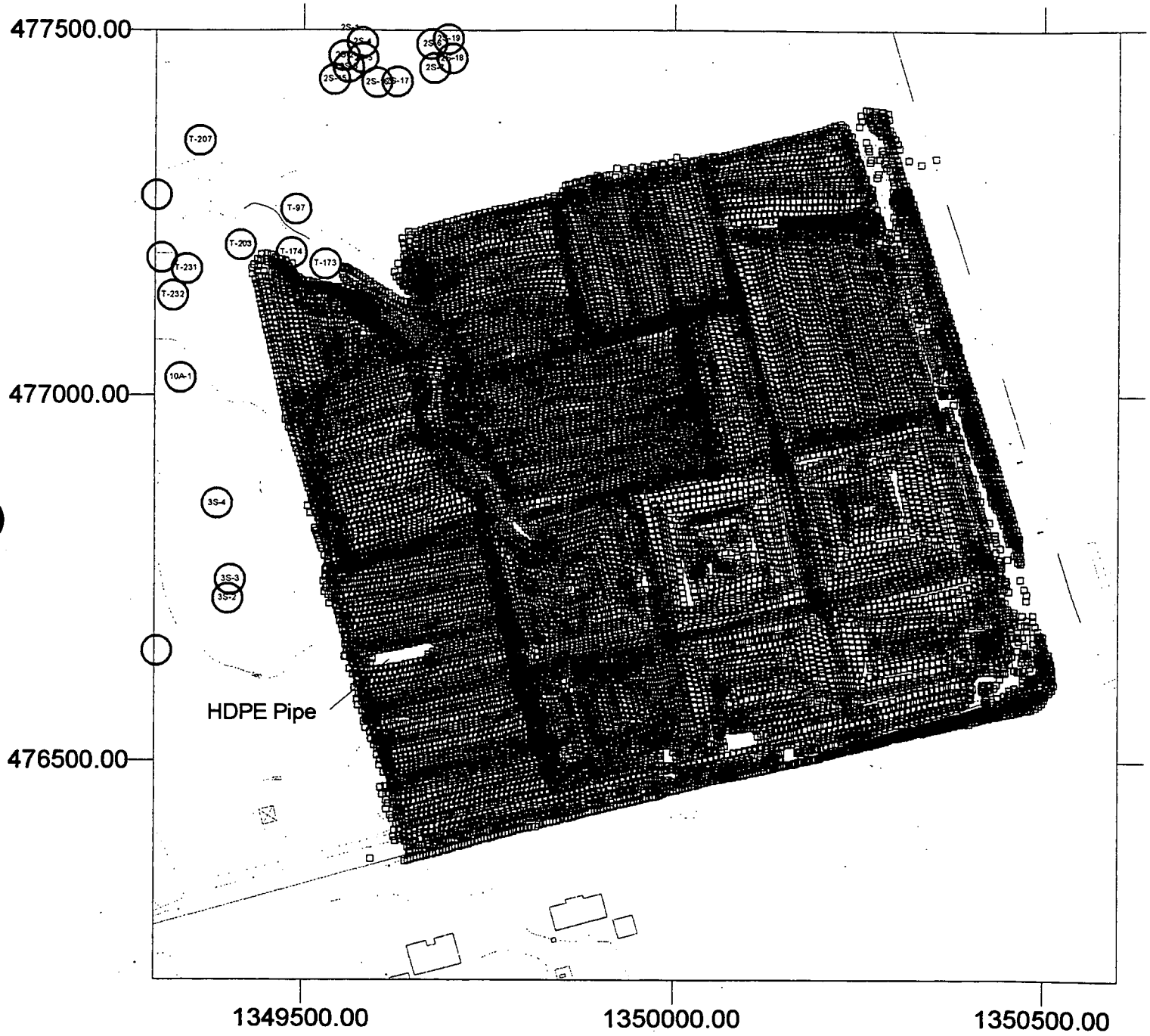
(includes sections # 1,2,8,9)

2318

## Thorium 232 (pCi/gm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




**Legend**
**pCi/gm**

- -2.00 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP3-TH-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3_TH_2PT_MC.srf
Date Prepared: 3/30/99

000121

# MAP # 4

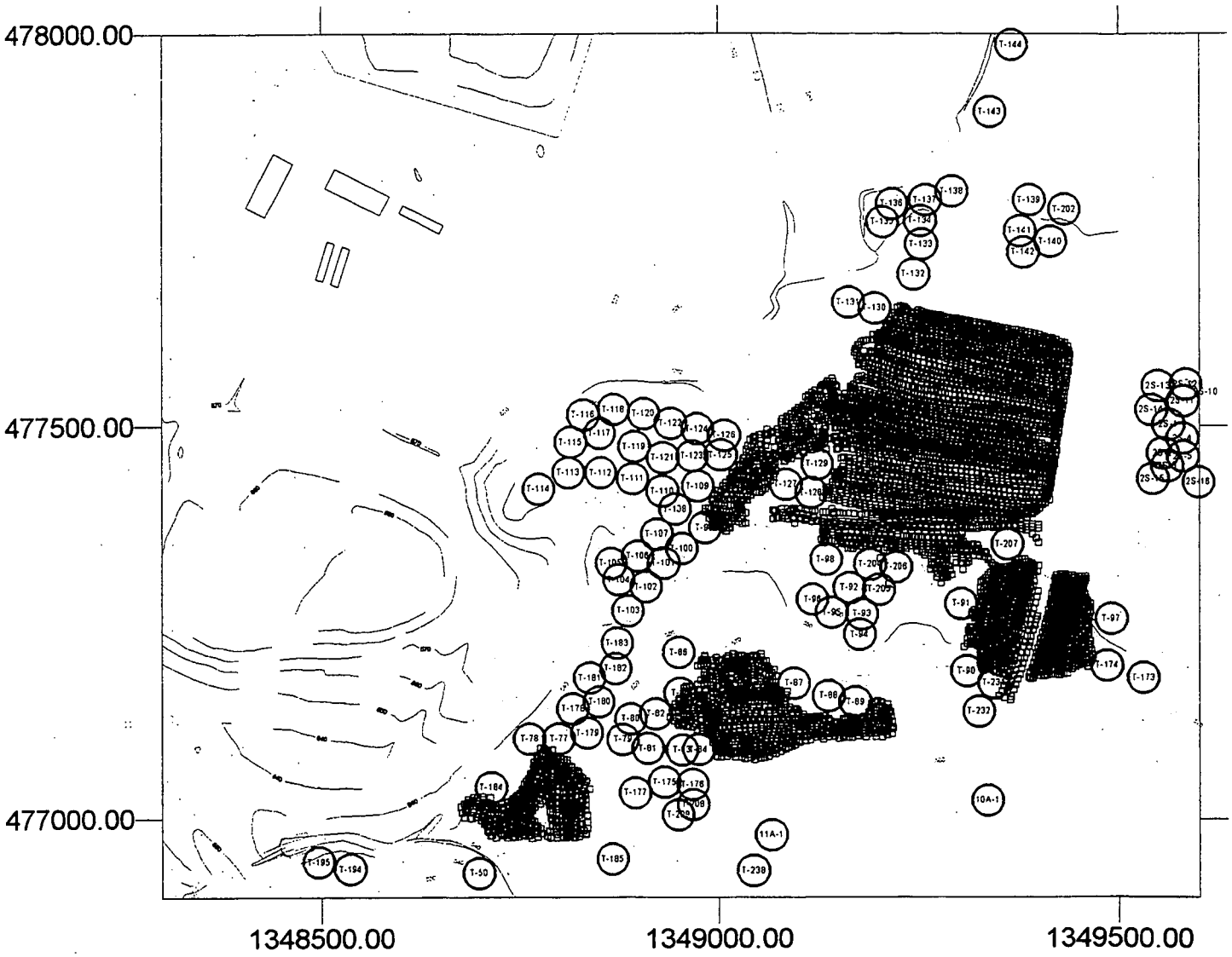
(includes sections # 16,17, 21, & 22)

2318

## Thorium 232 (pCi/gm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field of View to Scale

N




**Legend**
**pCi/gm**

- -1.00 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP4-TH-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP4_TH_2PT_MC.srf
Date Prepared: 3/30/99

# MAP #5

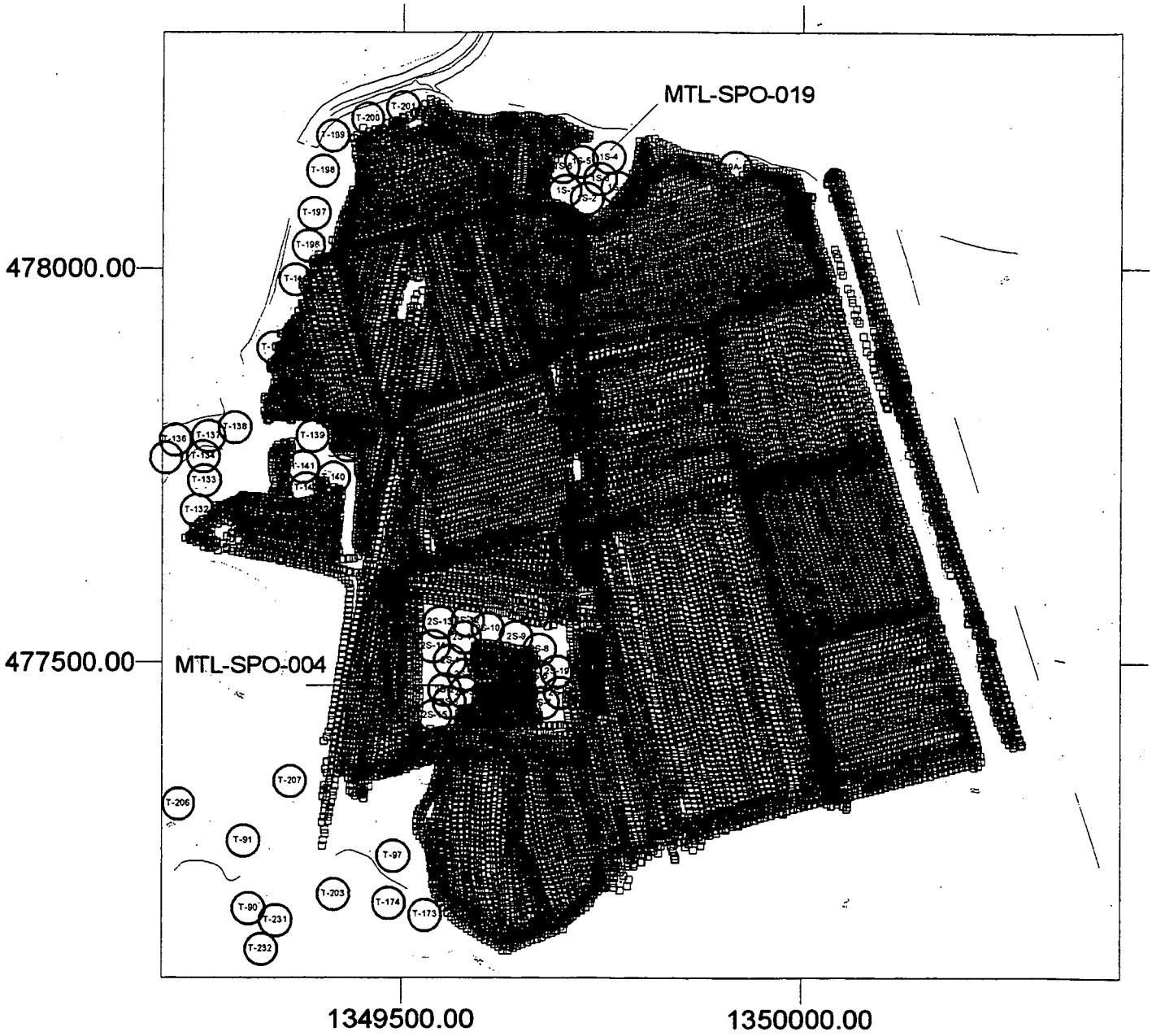
(includes sections # 14,15,19,&20)

2318

## Thorium 232 (pCi/gm)

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Th-232 (pCi/gm)

- -0.30 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP5-TH-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP5_TH_2PT_MC.srf
Date Prepared: 3/30/99

000123

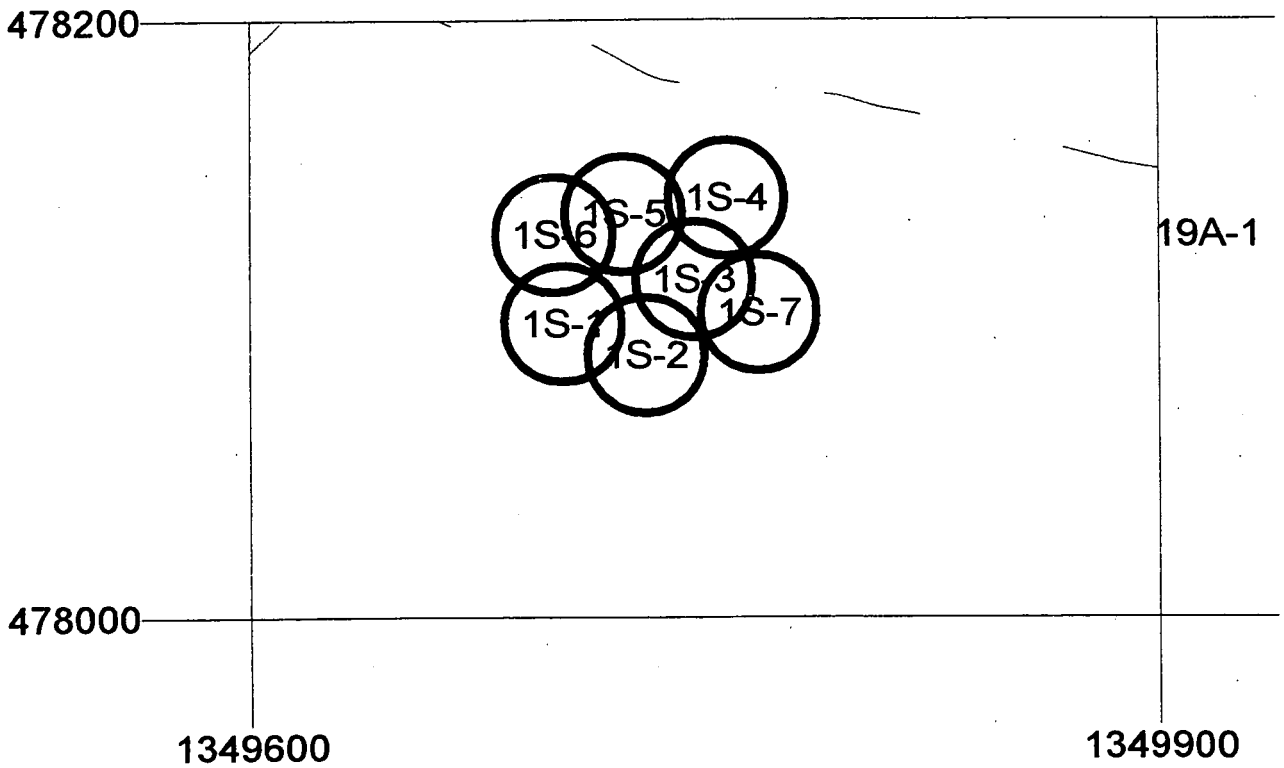
# SOIL PILE 1

(MTL-SPO-019)

2318

## Thorium 232 (pCi/gm)

Moisture Corrected
One Spectra, no average
Coverage Plot, Field Of View to Scale




Legend
Th-232 (pCi/gm)

- 0.00 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP1S-TH-1PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP1S_TH_1PT_MC.srf
Date Prepared: 3/30/99

# SOIL PILE 2

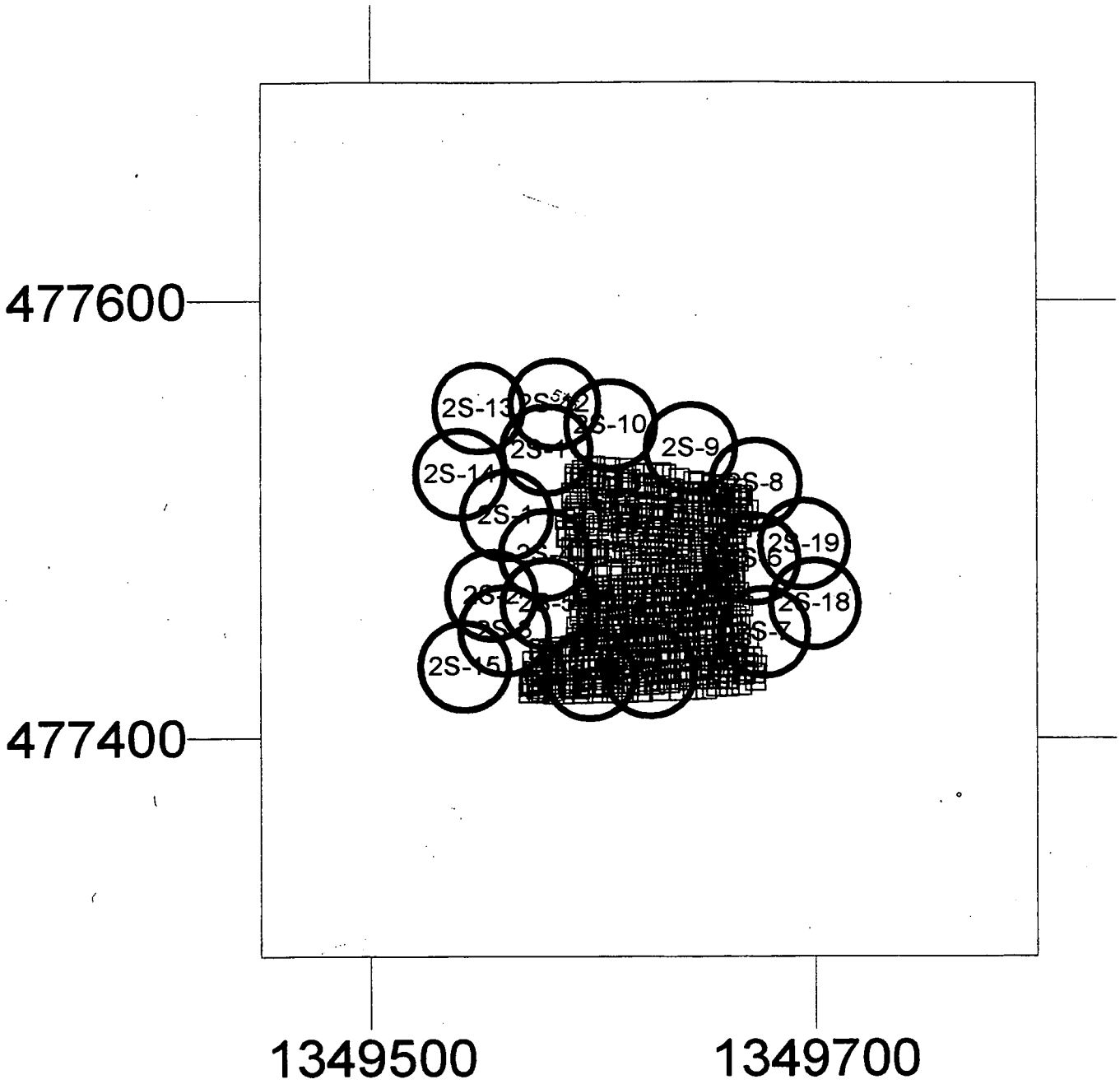
(MTL-SPO-004)

## Thorium 232 (pCi/gm)

2318

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Th-232 (pCi/gm)

- -0.20 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP2S-TH-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2S_TH_2PT_MC.srf
Date Prepared: 3/30/99

000125

# SOIL PILE 3

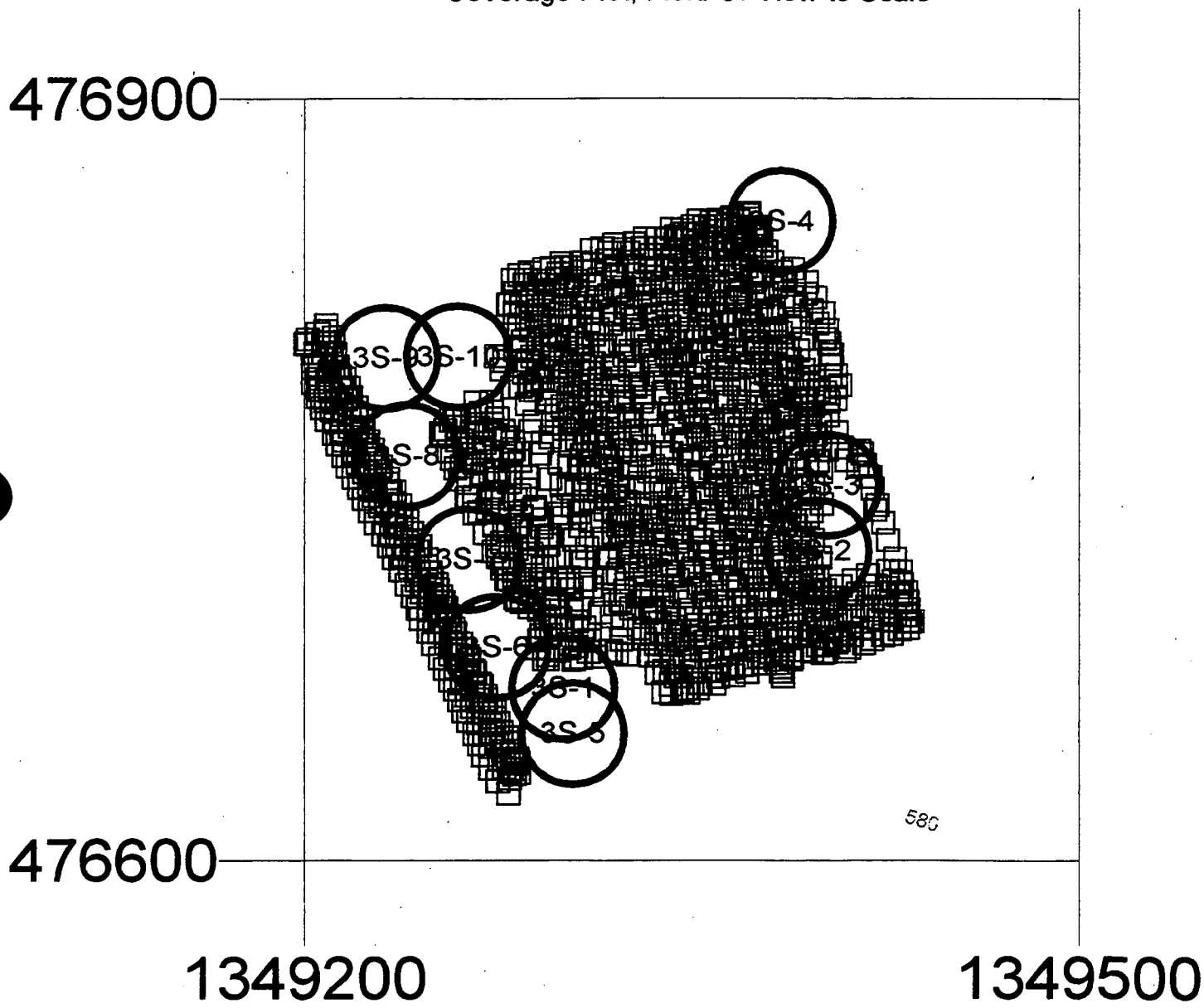
(MTL-SPO-005)

## Thorium 232 (pCi/gm)

2318

Moisture Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Th-232 (pCi/gm)

- 0.00 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP3S-TH-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3S_TH_2PT_MC.srf
Date Prepared: 3/30/99

000126

# SOIL PILE 4

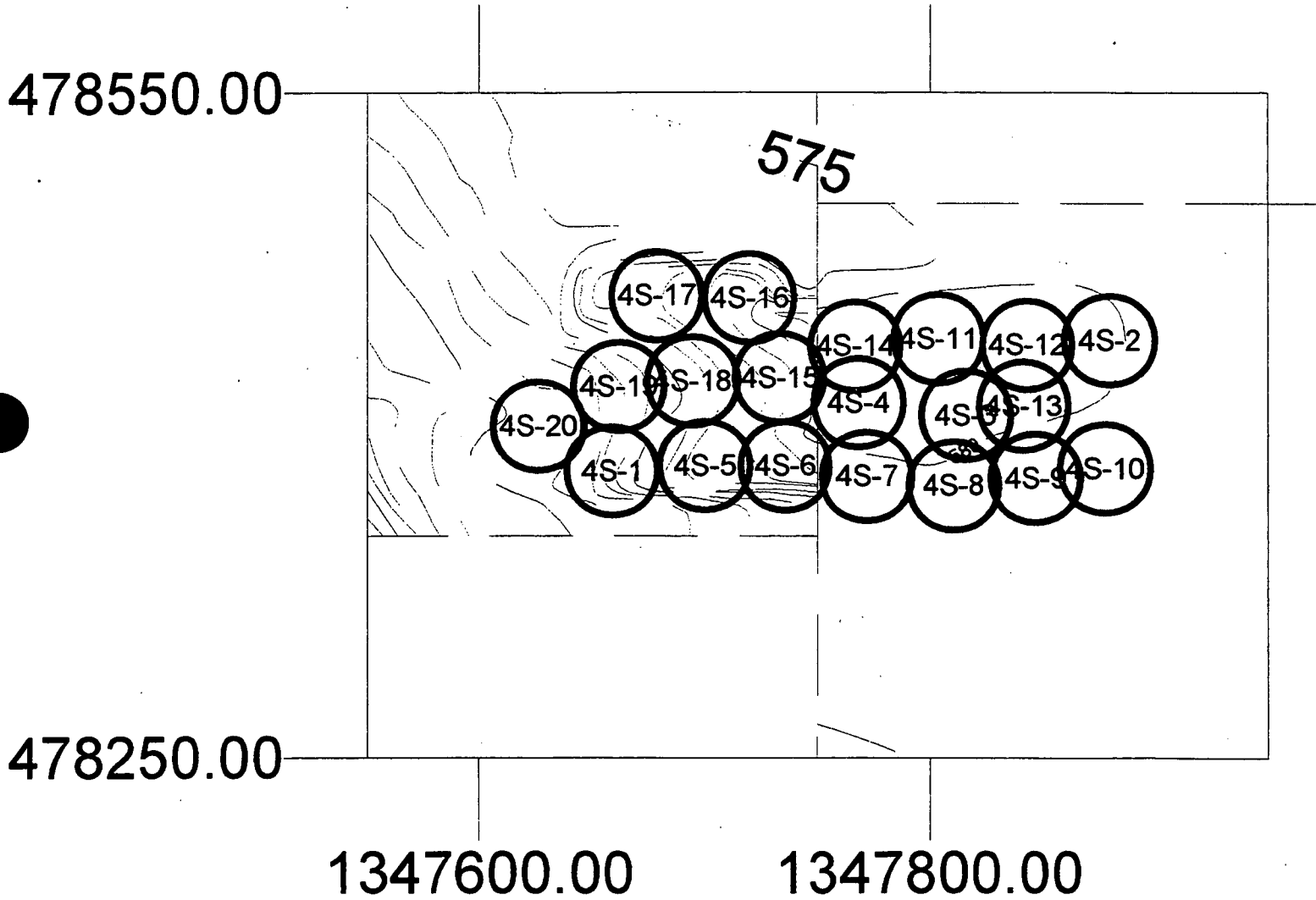
(MTL-HRD-011)

## Thorium 232 (pCi/gm)

2318

Moisture Corrected
One Spectra, no average
Coverage Plot, Field Of View to Scale

N




Legend
Th-232 (pCi/gm)

- 0.00 to 1.50
- 1.50 to 3.00
- 3.00 to 4.50
- 4.50 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP4S-TH-1PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP4S_TH_1PT_MC.srf
Date Prepared: 3/30/99

# APPENDIX C
## HPGe RESULTS FOR THORIUM-232

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | THORIUM-232 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-1S-1-G | 478098.41 | 1349703.46 | 100cm | 0.84 |
| A2P3-P1-1S-2-G | 478140.33 | 1349757.44 | 100cm | 0.76 |
| A2P3-P1-1S-3-G | 478113.16 | 1349746.76 | 100cm | 0.75 |
| A2P3-P1-1S-4-G | 478140.33 | 1349757.44 | 100cm | 0.71 |
| A2P3-P1-1S-4-G-D | 478140.33 | 1349757.44 | 100cm | 0.72 |
| A2P3-P1-1S-5-G | 478135.02 | 1349723.38 | 100cm | 0.77 |
| A2P3-P1-1S-6-G | 478128.18 | 1349700.65 | 100cm | 0.82 |
| A2P2-P1-1S-7-G | 478102.04 | 1349768.25 | 100cm | 0.90 |
| A2P3-P1-2S-1-G | 477501.71 | 1349561.21 | 100cm | 0.70 |
| A2P3-P1-2S-2-G | 477465.03 | 1349554.42 | 100cm | 0.91 |
| A2P3-P1-2S-3-G | 477448.99 | 1349560.14 | 100cm | 0.81 |
| A2P3-P1-2S-4-G | 477483.73 | 1349578.52 | 100cm | 0.81 |
| A2P3-P1-2S-5-G | 477461.21 | 1349579.4 | 100cm | 0.72 |
| A2P3-P1-2S-6-G | 477481.71 | 1349672.3 | 100cm | 0.78 |
| A2P3-P1-2S-7-G | 477448.06 | 1349676.63 | 100cm | 0.71 |
| A2P3-P1-2S-8-G | 477516.01 | 1349673 | 100cm | 0.69 |
| A2P3-P1-2S-9-G | 477532.35 | 1349643.97 | 100cm | 0.81 |
| A2P3-P1-2S-10-G | 477543.01 | 1349608.07 | 100cm | 0.73 |
| A2P3-P1-2S-11-G | 477531.59 | 1349579.34 | 100cm | 0.61 |
| A2P2-P1-2S-12-G | 477552.73 | 1349582.89 | 100cm | 0.85 |
| A2P3-P1-2S-13-G | 477550.68 | 1349548.54 | 100cm | 0.76 |
| A2P2-P1-2S-14-G | 477520.55 | 1349540.15 | 100cm | 0.73 |
| A2P2-P1-2S-14-G-D | 477520.55 | 1349540.15 | 100cm | 0.73 |
| A2P3-P1-2S-15-G | 477432.49 | 1349542.05 | 100cm | 0.81 |
| A2P3-P1-2S-16-G | 477428.57 | 1349598.93 | 100cm | 0.75 |
| A2P3-P1-2S-17-G | 477429.95 | 1349625.9 | 100cm | 0.75 |
| A2P3-P1-2S-18-G | 477461.31 | 1349699.89 | 100cm | 0.82 |
| A2P3-P1-2S-19-G | 477488.33 | 1349695 | 100cm | 0.84 |
| A2P3-P1-3S-1-G | 476667.66 | 1349299.87 | 100cm | 0.63 |
| A2P3-P1-3S-2-G | 476721.93 | 1349398.9 | 100cm | 0.71 |
| A2P3-P1-3S-3-G | 476747.62 | 1349402.6 | 100cm | 0.65 |
| A2P3-P1-3S-4-G | 476851.5 | 1349384.65 | 100cm | 0.83 |
| A2P3-P1-3S-5-G | 476650.04 | 1349303.65 | 100cm | 0.83 |
| A2P3-P1-3S-6-G | 476683.9 | 1349274.07 | 100cm | 0.87 |
| A2P3-P1-3S-7-G | 476718.54 | 1349263.38 | 100cm | 0.88 |
| A2P3-P1-3S-8-G | 476759.35 | 1349239.43 | 100cm | 0.95 |
| A2P3-P1-3S-9-G | 476797.71 | 1349231.25 | 100cm | 0.80 |
| A2P3-P1-3S-10-G | 476798.26 | 1349259.33 | 100cm | 0.89 |
| A2P3-P1-4S-1-G | 478379.31 | 1347659.17 | 100cm | 0.67 |
| A2P3-P1-4S-2-G | 478438.17 | 1344880.14 | 100cm | 0.70 |
| A2P3-P1-4S-3-G | 478404.4 | 1347816.13 | 100cm | 0.72 |
| A2P3-P1-4S-4-G | 478410.05 | 1347768.52 | 100cm | 0.79 |
| A2P3-P1-4S-4-G-D | 478410.05 | 1347768.52 | 100cm | 0.83 |
| A2P3-P1-4S-5-G | 478381.76 | 1347699.99 | 100cm | 0.67 |
| A2P3-P1-4S-6-G | 478381.63 | 1347735.57 | 100cm | 0.72 |
| A2P3-P1-4S-7-G | 478376.97 | 1347772.27 | 100cm | 0.76 |
| A2P3-P1-4S-8-G | 478372.87 | 1347810.77 | 100cm | 0.76 |
| A2P3-P1-4S-9-G | 478376.07 | 1347847.33 | 100cm | 0.83 |
| A2P3-P1-4S-10-G | 478380.56 | 1347877.97 | 100cm | 0.77 |
| A2P3-P1-4S-11-G | 478438.93 | 1347803.84 | 100cm | 0.77 |

## APPENDIX C
## HPGe RESULTS FOR THORIUM-232

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | THORIUM-232 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-4S-12-G | 478436.17 | 1347843.51 | 100cm | 0.82 |
| A2P3-P1-4S-13-G | 478408.73 | 1347841.87 | 100cm | 0.77 |
| A2P3-P1-4S-14-G | 478435.7 | 1347767.17 | 100cm | 0.78 |
| A2P3-P1-4S-15-G | 478421.27 | 1347733.25 | 100cm | 0.84 |
| A2P3-P1-4S-16-G | 478457.33 | 1347719.71 | 100cm | 0.76 |
| A2P3-P1-4S-17-G | 478458.43 | 1347678.6 | 100cm | 0.72 |
| A2P3-P1-4S-18-G | 478419.95 | 1347694.64 | 100cm | 0.90 |
| A2P3-P1-4S-19-G | 478417.42 | 1347662 | 100cm | 0.77 |
| A2P3-P1-4S-20-G | 478399.65 | 1347626.61 | 100cm | 0.80 |
| A2P3-P1-T-1-G | 476363.31 | 1348121.87 | 100cm | 0.51 |
| A2P3-P1-T-2-G | 476386.61 | 1348151.89 | 100cm | 0.47 |
| A2P3-P1-T-3-G | 476406.03 | 1348186.29 | 100cm | 0.53 |
| A2P3-P1-T-4-G | 476421.29 | 1348219.75 | 100cm | 0.60 |
| A2P3-P1-T-5-G | 476442.9 | 1348198.16 | 100cm | 0.65 |
| A2P3-P1-T-6-G | 476456.77 | 1348242.41 | 100cm | 0.61 |
| A2P3-P1-T-7-G | 476486.47 | 1348272.35 | 100cm | 0.49 |
| A2P3-P1-T-8-G | 476520.27 | 1348298.27 | 100cm | 0.60 |
| A2P3-P1-T-9-G | 476543.15 | 1348265.99 | 100cm | 0.52 |
| A2P3-P1-T-10-G | 476557.96 | 1348237.22 | 100cm | 0.61 |
| A2P3-P1-T-11-G | 476508.15 | 1348240.07 | 100cm | 0.62 |
| A2P3-P1-T-12-G | 476479.13 | 1348213.83 | 100cm | 0.59 |
| A2P3-P1-T-13-G* | 476590.46 | 1348245.5 | 100cm | 0.50 |
| A2P3-P1-T-14-G | 476547.47 | 1348319 | 100cm | 0.60 |
| A2P3-P1-T-15-G | 476574.26 | 1348350.99 | 100cm | 0.69 |
| A2P3-P1-T-15-G-D | 476574.26 | 1348350.99 | 100cm | 0.66 |
| A2P3-P1-T-16-G | 476602.98 | 1348378.02 | 100cm | 0.71 |
| A2P3-P1-T-17-G | 476575.26 | 1348280.95 | 100cm | 0.58 |
| A2P3-P1-T-18-G | 476602.84 | 1348306.03 | 100cm | 0.75 |
| A2P3-P1-T-19-G | 476614.52 | 1348337.82 | 100cm | 0.62 |
| A2P3-P1-T-20-G | 476626.17 | 1348303.25 | 100cm | 0.60 |
| A2P3-P1-T-21-G | 476659.64 | 1348296.59 | 100cm | 0.64 |
| A2P3-P1-T-22-G | 476621.58 | 1348226.79 | 100cm | 0.44 |
| A2P3-P1-T-23-G | 476616.17 | 1348253.44 | 100cm | 0.54 |
| A2P3-P1-T-24-G | 476618.04 | 1348278.34 | 100cm | 0.72 |
| A2P3-P1-T-25-G | 476656.34 | 1348211.88 | 100cm | 0.32 |
| A2P3-P1-T-26-G | 476657.27 | 1348250 | 100cm | 0.42 |
| A2P3-P1-T-27-G | 476648.45 | 1348272.71 | 100cm | 0.61 |
| A2P3-P1-T-28-G | 476681.9 | 1348236.76 | 100cm | 0.32 |
| A2P3-P1-T-29-G | 476707.74 | 1348250.2 | 100cm | 0.46 |
| A2P3-P1-T-30-G | 476733.6 | 1348216.15 | 100cm | 0.58 |
| A2P3-P1-T-31-G | 476718.11 | 1348180.93 | 100cm | 0.88 |
| A2P3-P1-T-32-G | 476688.81 | 1348170.2 | 100cm | 0.65 |
| A2P3-P1-T-33-G | 476743.5 | 1348159.65 | 100cm | 0.73 |
| A2P3-P1-T-34-G | 476729.6 | 1348145.22 | 100cm | 0.78 |
| A2P3-P1-T-35-G | 476856.55 | 1348458.54 | 100cm | 0.64 |
| A2P3-P1-T-36-G | 476869.95 | 1348534.79 | 100cm | 0.87 |
| A2P3-P1-T-37-G | 476659.36 | 1348675.26 | 100cm | 0.70 |
| A2P3-P1-T-38-G | 476613.13 | 1348679.44 | 100cm | 0.72 |
| A2P3-P1-T-39-G | 476519.82 | 1348716.1 | 100cm | 0.70 |
| A2P3-P1-T-40-G | 476570.78 | 1348705.83 | 100cm | 0.66 |



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# APPENDIX C
## HPGe RESULTS FOR THORIUM-232

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | THORIUM-232 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-41-G | 476609.4 | 1348702.46 | 100cm | 0.80 |
| A2P3-P1-T-42-G | 476653.74 | 1348702.03 | 100cm | 0.81 |
| A2P3-P1-T-43-G | 4766707.16 | 1348703.36 | 100cm | 0.86 |
| A2P3-P1-T-44-G | 476728.16 | 1348726.16 | 100cm | 0.66 |
| A2P3-P1-T-45-G | 476743.59 | 1348745.49 | 100cm | 0.81 |
| A2P3-P1-T-46-G | 476783.06 | 1348737.39 | 100cm | 0.75 |
| A2P3-P1-T-47-G | 476813.25 | 1348730.43 | 100cm | 0.50 |
| A2P3-P1-T-48-G | 476847.57 | 1348711.22 | 100cm | 0.76 |
| A2P3-P1-T-49-G | 476884.85 | 1348708.8 | 100cm | 0.78 |
| A2P3-P1-T-50-G | 476930.36 | 1348698.01 | 100cm | 0.75 |
| A2P3-P1-T-51-G | 476857.52 | 1348738.28 | 100cm | 0.72 |
| A2P3-P1-T-52-G | 476823.75 | 1348764.43 | 100cm | 0.74 |
| A2P3-P1-T-53-G | 476640.97 | 1348991.62 | 100cm | 0.47 |
| A2P3-P1-T-54-G | 476627.58 | 1349023.09 | 100cm | 0.51 |
| A2P3-P1-T-55-G | 476545.11 | 1349086.6 | 100cm | 0.50 |
| A2P3-P1-T-56-G | 476512.47 | 1349089.4 | 100cm | 0.60 |
| A2P3-P1-T-57-G | 476474.72 | 1349105.04 | 100cm | 0.65 |
| A2P3-P1-T-58-G | 476437.77 | 1349123.94 | 100cm | 0.49 |
| A2P3-P1-T-59-G | 476408.14 | 1349148.66 | 100cm | 0.71 |
| A2P3-P1-T-60-G | 476374.22 | 1349166.89 | 100cm | 0.50 |
| A2P3-P1-T-61-G | 476507.5 | 1349220 | 100cm | 0.77 |
| A2P3-P1-T-62-G | 476517.16 | 1349188.48 | 100cm | 0.87 |
| A2P3-P1-T-63-G | 476544.73 | 1349198.13 | 100cm | 0.71 |
| A2P3-P1-T-64-G | 476587.62 | 1349184.8 | 100cm | 0.76 |
| A2P3-P1-T-65-G | 476624.99 | 1349170 | 100cm | 0.80 |
| A2P3-P1-T-66-G | 476554.65 | 1349132.45 | 100cm | 0.69 |
| A2P3-P1-T-67-G | 476587.51 | 1349112.67 | 100cm | 0.63 |
| A2P3-P1-T-68-G | 476594.77 | 1349083.43 | 100cm | 0.59 |
| A2P3-P1-T-69-G | 476632.75 | 1349098.81 | 100cm | 0.67 |
| A2P3-P1-T-70-G | 476662.92 | 1349080.68 | 100cm | 0.55 |
| A2P3-P1-T-71-G | 476681.83 | 1349041.95 | 100cm | 0.76 |
| A2P3-P1-T-72-G | 476683.95 | 1348991.61 | 100cm | 0.68 |
| A2P3-P1-T-73-G | 476682.9 | 1348971.41 | 100cm | 0.68 |
| A2P3-P1-T-74-G | 476776.2 | 1348941.47 | 100cm | 0.61 |
| A2P3-P1-T-75-G | 476778.99 | 1348920.13 | 100cm | 0.59 |
| A2P3-P1-T-76-G | 476827.31 | 1348885.95 | 100cm | 0.77 |
| A2P3-P1-T-77-G | 477101.22 | 1348798.44 | 100cm | 1.10 |
| A2P3-P1-T-78-G | 477101.36 | 1348761.88 | 100cm | 1.07 |
| A2P3-P1-T-79-G | 477100.63 | 1348879.73 | 100cm | 0.77 |
| A2P3-P1-T-80-G | 477127.11 | 1348889.9 | 100cm | 0.86 |
| A2P3-P1-T-81-G | 477089.1 | 1348911.37 | 100cm | 0.86 |
| A2P3-P1-T-82-G* | 477133.26 | 1348921.66 | 100cm | 0.73 |
| A2P3-P1-T-82-G-D | 477123.86 | 1348918.5 | 100cm | 0.79 |
| A2P3-P1-T-83-G* | 477087.7 | 1348954.66 | 100cm | 0.77 |
| A2P3-P1-T-83-G-D* | 477087.7 | 1348954.66 | 100cm | 0.77 |
| A2P3-P1-T-84-G* | 477089.62 | 1348977.53 | 100cm | 0.80 |
| A2P3-P1-T-85-G | 477159.76 | 1348952.02 | 100cm | 0.77 |
| A2P3-P1-T-86-G | 477211.63 | 1348950.25 | 100cm | 0.79 |
| A2P3-P1-T-87-G | 477172.21 | 1349093.42 | 100cm | 0.72 |
| A2P3-P1-T-88-G | 477156.33 | 1349137.25 | 100cm | 0.66 |

## APPENDIX C
## HPGe RESULTS FOR THORIUM-232

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | THORIUM-232 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-89-G | 477148.26 | 1349170.15 | 100cm | 0.64 |
| A2P3-P1-T-90-G | 477188.05 | 1349309.07 | 100cm | 0.75 |
| A2P3-P1-T-91-G | 477273.66 | 1349302.34 | 100cm | 0.83 |
| A2P3-P1-T-92-G | 477294.01 | 1349163.08 | 100cm | 0.71 |
| A2P3-P1-T-93-G | 477260.68 | 1349178.9 | 100cm | 0.75 |
| A2P3-P1-T-94-G | 477234.47 | 1349175.68 | 100cm | 0.72 |
| A2P3-P1-T-95-G | 477262.08 | 1349141.32 | 100cm | 0.80 |
| A2P3-P1-T-96-G | 477278.97 | 1349116.81 | 100cm | 0.88 |
| A2P3-P1-T-97-G | 477254.57 | 1349490.36 | 100cm | 0.75 |
| A2P3-P1-T-97-G-D | 477254.57 | 1349490.36 | 100cm | 0.75 |
| A2P3-P1-T-98-G | 477329.81 | 1349134.06 | 100cm | 0.70 |
| A2P3-P1-T-99-G | 477369.93 | 1348983.62 | 100cm | 0.80 |
| A2P3-P1-T-100-G | 477343.51 | 1348954.49 | 100cm | 0.59 |
| A2P3-P1-T-101-G | 477325.15 | 1348931.46 | 100cm | 0.55 |
| A2P3-P1-T-102-G | 477295.06 | 1348909.76 | 100cm | 0.53 |
| A2P3-P1-T-103-G | 477426.9 | 1348778.97 | 100cm | 0.51 |
| A2P3-P1-T-104-G | 477303.86 | 1348875.08 | 100cm | 0.76 |
| A2P3-P1-T-105-G | 477325.2 | 1348864.79 | 100cm | 0.63 |
| A2P3-P1-T-106-G | 477334.24 | 1348899.42 | 100cm | 0.59 |
| A2P3-P1-T-107-G | 477361.86 | 1348923.8 | 100cm | 0.68 |
| A2P3-P1-T-108-G | 477393.64 | 1348946.62 | 100cm | 0.75 |
| A2P3-P1-T-109-G | 477422.6 | 1348975.15 | 100cm | 0.71 |
| A2P3-P1-T-110-G | 477416.45 | 1348930.58 | 100cm | 0.77 |
| A2P3-P1-T-111-G | 477432.93 | 1348892.68 | 100cm | 0.71 |
| A2P3-P1-T-112-G | 477440.31 | 1348851.99 | 100cm | 0.64 |
| A2P3-P1-T-112-G-D | 477440.31 | 1348851.99 | 100cm | 0.65 |
| A2P3-P1-T-113-G | 477440.67 | 1348810.72 | 100cm | 0.73 |
| A2P3-P1-T-114-G | 477419.77 | 1348773.39 | 100cm | 0.71 |
| A2P3-P1-T-115-G | 477478.99 | 1348813.89 | 100cm | 0.74 |
| A2P3-P1-T-116-G | 477514.18 | 1348829.61 | 100cm | 0.77 |
| A2P3-P1-T-117-G | 477490.67 | 1348850.48 | 100cm | 0.76 |
| A2P3-P1-T-118-G | 477520.8 | 1348868.92 | 100cm | 0.64 |
| A2P3-P1-T-119-G | 477473.62 | 1348894.98 | 100cm | 0.69 |
| A2P3-P1-T-120-G | 477515.67 | 1348906.64 | 100cm | 0.74 |
| A2P3-P1-T-121-G | 477459.45 | 1348931.37 | 100cm | 0.73 |
| A2P3-P1-T-122-G | 477503.12 | 1348941.3 | 100cm | 0.80 |
| A2P3-P1-T-123-G | 477461.36 | 1348968.12 | 100cm | 0.68 |
| A2P3-P1-T-124-G | 477495.79 | 1348974.68 | 100cm | 0.76 |
| A2P3-P1-T-125-G | 477462.24 | 1349003.81 | 100cm | 0.77 |
| A2P3-P1-T-126-G | 477487.81 | 1349007.39 | 100cm | 0.77 |
| A2P3-P1-T-127-G | 477425.5 | 1349083.19 | 100cm | 0.73 |
| A2P3-P1-T-128-G | 477414.3 | 1349115.27 | 100cm | 0.68 |
| A2P3-P1-T-129-G | 477451.12 | 1349122.83 | 100cm | 0.60 |
| A2P3-P1-T-130-G | 477649.58 | 1349195.03 | 100cm | 0.51 |
| A2P3-P1-T-131-G | 477656.78 | 1349162.61 | 100cm | 0.67 |
| A2P3-P1-T-132-G | 477692.91 | 1349243.99 | 100cm | 0.56 |
| A2P3-P1-T-133-G | 477730.78 | 1349253.63 | 100cm | 0.59 |
| A2P3-P1-T-134-G | 477760.95 | 1349252.22 | 100cm | 0.67 |
| A2P3-P1-T-135-G | 477759.61 | 1349205.05 | 100cm | 0.55 |
| A2P3-P1-T-136-G | 477782.34 | 1349216.68 | 100cm | 0.72 |

# APPENDIX C
## HPGe RESULTS FOR THORIUM-232

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | THORIUM-232 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-137-G | 477787.04 | 1349258.39 | 100cm | 0.53 |
| A2P3-P1-T-138-G | 477798.13 | 1349291 | 100cm | 0.76 |
| A2P3-P1-T-139-G | 477786.91 | 1349388.3 | 100cm | 0.96 |
| A2P3-P1-T-140-G | 477734.32 | 1349414.58 | 100cm | 0.85 |
| A2P3-P1-T-141-G | 477747.76 | 1349376.38 | 100cm | 0.83 |
| A2P3-P1-T-141-G-D | 477747.76 | 1349376.38 | 100cm | 0.84 |
| A2P3-P1-T-142-G | 477720.73 | 1349380.58 | 100cm | 0.78 |
| A2P3-P1-T-143-G | 477899.44 | 1349338.82 | 100cm | 0.71 |
| A2P3-P1-T-144-G | 477985.98 | 1349366.21 | 100cm | 0.85 |
| A2P3-P1-T-173-G | 477179.76 | 1349530.36 | 100cm | 0.69 |
| A2P3-P1-T-174-G | 477195.04 | 1349484.72 | 100cm | 0.73 |
| A2P3-P1-T-175-G | 477046.05 | 1348932.87 | 100cm | 0.77 |
| A2P3-P1-T-176-G | 477043.27 | 1348968.13 | 100cm | 0.74 |
| A2P3-P1-T-176-G-D | 477043.27 | 1348968.13 | 100cm | 0.72 |
| A2P3-P1-T-177-G | 477032.44 | 1348895.91 | 100cm | 0.84 |
| A2P3-P1-T-178-G | 477139.4 | 1348816.16 | 100cm | 0.99 |
| A2P3-P1-T-179-G | 477108.72 | 1348834.16 | 100cm | 0.86 |
| A2P3-P1-T-180-G | 477148.68 | 1348849.32 | 100cm | 0.81 |
| A2P3-P1-T-181-G | 477178.92 | 1348837.17 | 100cm | 1.03 |
| A2P3-P1-T-182-G | 477190.84 | 1348871.04 | 100cm | 0.78 |
| A2P3-P1-T-183-G | 477223.42 | 1348872.9 | 100cm | 0.59 |
| A2P3-P1-T-184-G | 477039.69 | 1348713.33 | 100cm | 0.85 |
| A2P3-P1-T-185-G | 476948.29 | 1348866.44 | 100cm | 0.70 |
| A2P3-P1-T-186-G | 476817.11 | 1348833.15 | 100cm | 0.65 |
| A2P3-P1-T-187-G | 476780.39 | 1348847.17 | 100cm | 0.55 |
| A2P3-P1-T-188-G | 476747.27 | 1348871.81 | 100cm | 0.60 |
| A2P3-P1-T-189-G | 476715.63 | 1348897.68 | 100cm | 0.51 |
| A2P3-P1-T-190-G | 476686.1 | 1348924.95 | 100cm | 0.57 |
| A2P3-P1-T-191-G | 476786.37 | 1348816.52 | 100cm | 0.55 |
| A2P3-P1-T-192-G | 476858.22 | 1348862.63 | 100cm | 0.76 |
| A2P3-P1-T-193-G | 476889.6 | 1348839.44 | 100cm | 0.78 |
| A2P3-P1-T-194-G | 476935.69 | 1348536.45 | 100cm | 0.68 |
| A2P3-P1-T-195-G | 476944.61 | 1348496.7 | 100cm | 0.57 |
| A2P3-P1-T-196-G | 478029.11 | 1349382.13 | 100cm | 0.70 |
| A2P3-P1-T-197-G | 478070.45 | 1349389.62 | 100cm | 0.689 |
| A2P3-P1-T-198-G | 478123.96 | 1349400.39 | 100cm | 0.72 |
| A2P3-P1-T-199-G | 478168.08 | 1349412.71 | 100cm | 0.75 |
| A2P2-P1-T-200-G | 478190.16 | 1349456.6 | 100cm | 0.70 |
| A2P2-P1-T-201-G | 478204.79 | 1349500.74 | 100cm | 0.67 |
| A2P2-P1-T-202-G | 477775.01 | 1349432.48 | 100cm | 0.73 |
| A2P3-P1-T-203-G | 477205.79 | 1349415.59 | 100cm | 0.65 |
| A2P3-P1-T-204-G | 477323.77 | 1349189.03 | 100cm | 0.642 |
| A2P3-P1-T-205-G | 477291.57 | 1349199.93 | 100cm | 0.788 |
| A2P3-P1-T-206-G | 477320.34 | 1349221.56 | 100cm | 0.72 |
| A2P3-P1-T-207-G | 477348.99 | 1349360.34 | 100cm | 0.366 |
| A2P3-P1-T-208-G | 477017.93 | 1348968.72 | 100cm | 0.663 |
| A2P3-P1-T-209-G | 477004.96 | 1348950.11 | 100cm | 0.684 |
| A2P3-P1-T-210-G | 476663.33 | 1349156.89 | 100cm | 0.696 |
| A2P3-P1-T-211-G | 476694.43 | 1349142.3 | 100cm | 0.766 |
| A2P3-P1-T-212-G | 476686.57 | 1349118.42 | 100cm | 0.609 |

## APPENDIX C
## HPGe RESULTS FOR THORIUM-232

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | THORIUM-232 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-213-G | 476643.22 | 1348958.26 | 100cm | 0.57 |
| A2P3-P1-T-214-G | 476501.79 | 1348727.62 | 100cm | 0.718 |
| A2P3-P1-T-215-G | 476396.67 | 1348719.4 | 100cm | 0.506 |
| A2P3-P1-T-216-G | 476369.43 | 1348703.31 | 100cm | 0.55 |
| A2P3-P1-T-217-G | 476180.9 | 1348801.78 | 100cm | 0.609 |
| A2P3-P1-T-218-G | 476153.39 | 1348817.24 | 100cm | 0.635 |
| A2P3-P1-T-219-G | 476824.59 | 1348465.87 | 100cm | 0.687 |
| A2P3-P1-T-220-G | 476320.79 | 1348079.24 | 100cm | 0.6 |
| A2P3-P1-T-221-G | 476287.63 | 1348075.9 | 100cm | 0.611 |
| A2P3-P1-T-222-G | 476257.93 | 1348090.57 | 100cm | 0.569 |
| A2P3-P1-T-223-G | 476236.85 | 1348119.11 | 100cm | 0.555 |
| A2P3-P1-T-224-G | 476222.26 | 1348152.24 | 100cm | 0.67 |
| A2P3-P1-T-225-G | 476206.61 | 1348186.77 | 100cm | 0.64 |
| A2P3-P1-T-226-G | 476192.35 | 1348218.45 | 100cm | 0.627 |
| A2P3-P1-T-227-G | 476164 | 1348246.75 | 100cm | 0.576 |
| A2P3-P1-T-228-G | 476136.51 | 1348266.63 | 100cm | 0.581 |
| A2P3-P1-T-229-G | 476104.55 | 1348286.84 | 100cm | 0.652 |
| A2P3-P1-T-230-G | 476108.63 | 1348264.86 | 100cm | 0.561 |
| A2P3-P1-T-231-G | 477172.87 | 1349342.95 | 100cm | 0.631 |
| A2P3-P1-T-232-G | 477136.63 | 1349324.52 | 100cm | 0.364 |
| A2P3-P1-T-233-G | 476896.96 | 1349055.14 | 100cm | 0.78 |
| A2P3-P1-T-234-G | 476852.01 | 1349076.81 | 100cm | 0.654 |
| A2P3-P1-T-235-G | 476792.29 | 1349093.08 | 100cm | 0.72 |
| A2P3-P1-T-236-G | 476772.82 | 1349111.05 | 100cm | 0.702 |
| A2P3-P1-T-237-G | 476722.67 | 1349123.25 | 100cm | 0.742 |
| A2P3-P1-T-238-G | 476933.63 | 1349043.01 | 100cm | 0.796 |
| A2P3-P1-10A-1-G | 477023.4 | 1349335.38 | 100cm | 0.69 |
| A2P3-P1-11A-1-G | 476979.12 | 1349064.97 | 100cm | 0.57 |
| A2P2-P1-19A-1-G | 478127.84 | 1349916.19 | 100cm | 0.68 |
| | | | **AVERAGE RESULT** | 0.70 |
| | | | **MINIMUM RESULT** | 0.32 |
| | | | **MAXIMUM RESULT** | 1.10 |
| | | | | |
| * Measurement was taken twice in error; highest result is reported. | | | | |

000133

# APPENDIX D

# MOBILE NaI AND PHASE 1 HPGe RADIUM-226 RESULTS

# MAP # 1

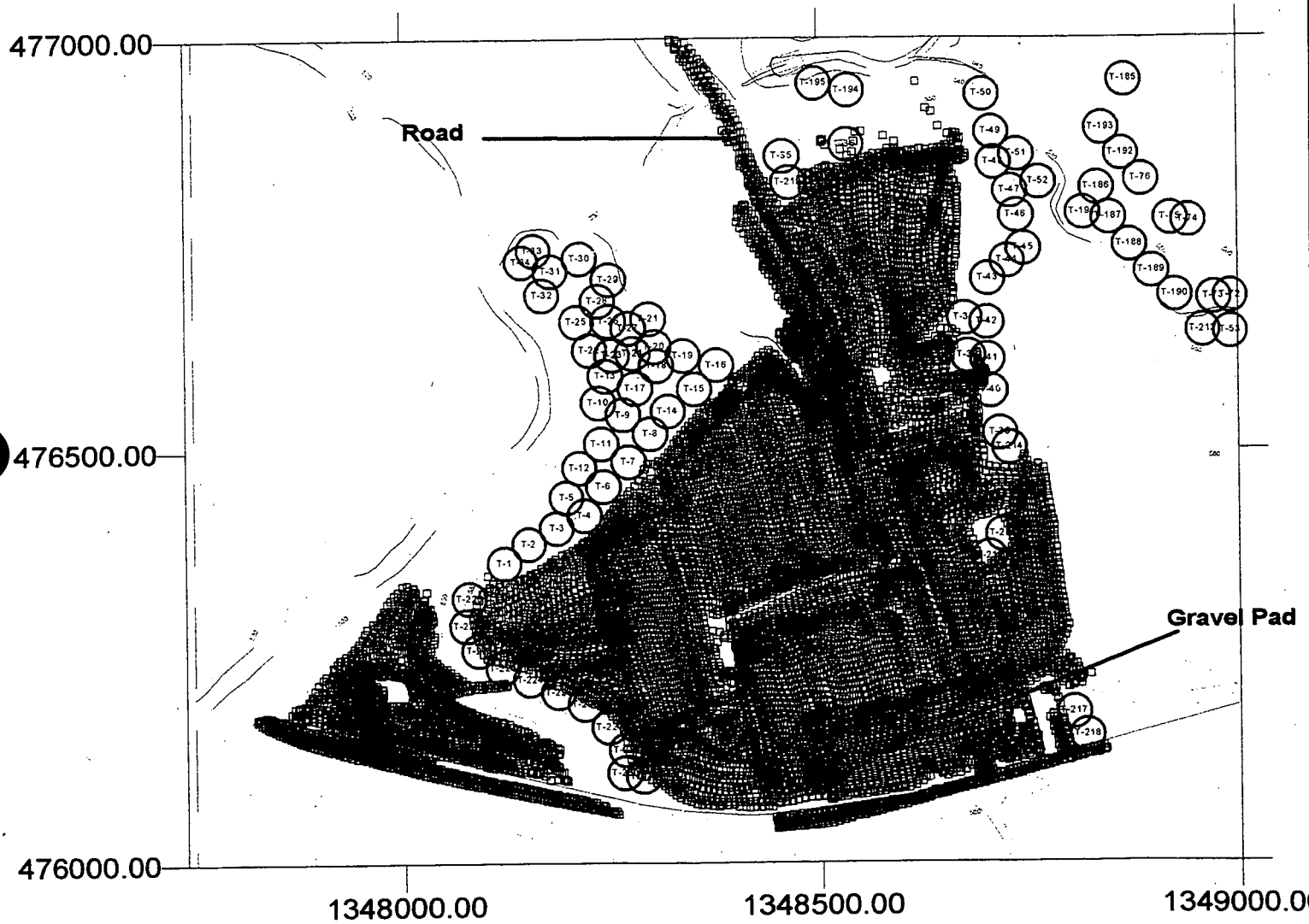
2318

(includes sections # 5,6,7,12,13,&18)

## Radium 226 (pCi/gm)

**Moisture & Radon Corrected**
**Two Spectra running average**
**Coverage Plot, Field Of View to Scale**

N




Legend
Ra-226 (pCi/gm)

- -0.20 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP1-RA-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP1_RA_2PT_MC.srf
Date Prepared: 3/30/99

# MAP #2

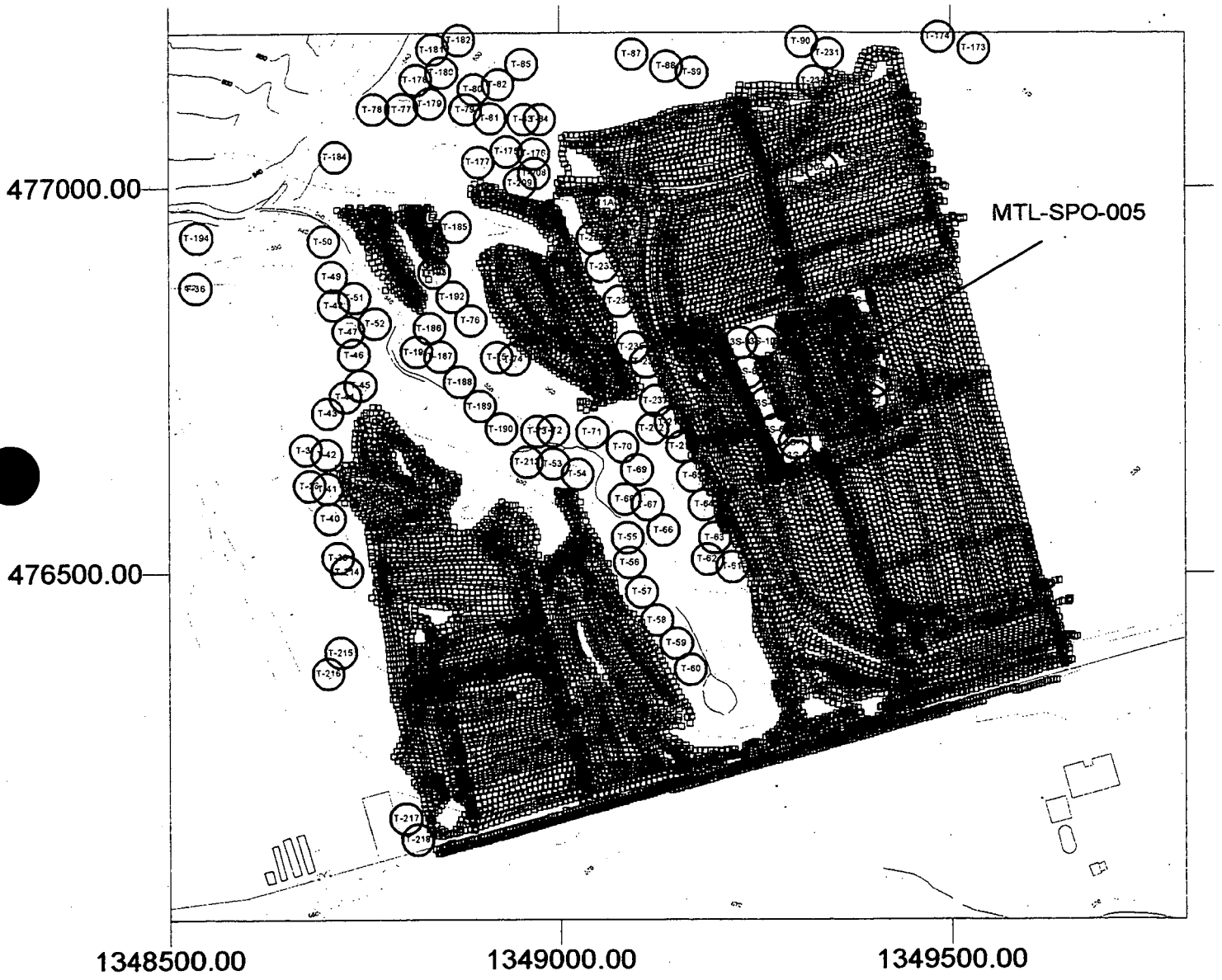
2318

(includes acre # 3,4,10,&11)

## Radium 226 (pCi/gm)

Moisture & Radon Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Ra-226 (pCi/gm)

- -0.20 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP2-RA-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2_RA_2PT_MC.srf
Date Prepared: 3/30/99

# MAP # 3

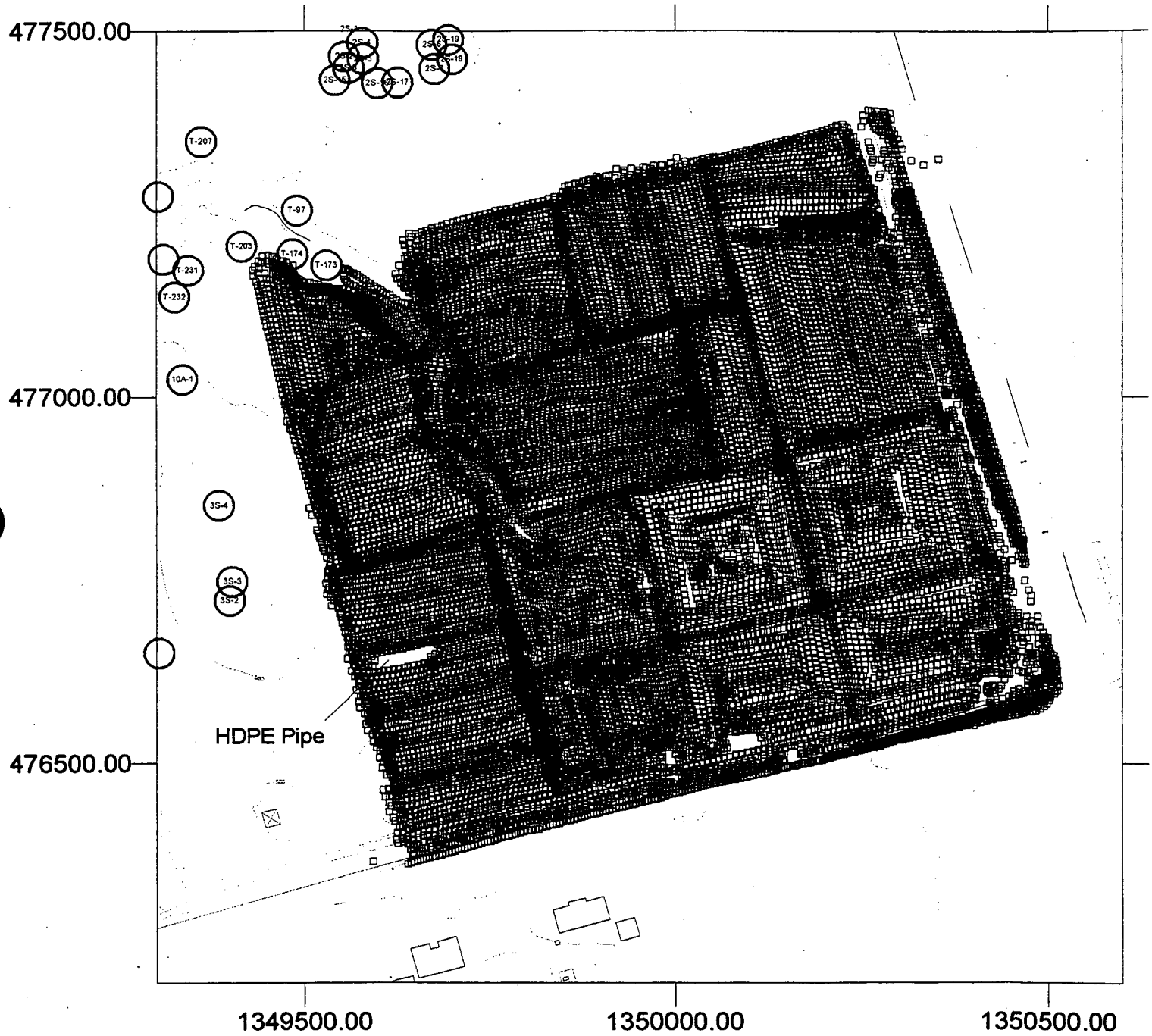
(includes sections # 1,2,8,9)

2318

## Radium 226 (pCi/gm)

Moisture & Radon Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
pCi/gm

- -2.00 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP3-RA-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3_RA_2PT_MC.srf
Date Prepared: 3/30/99

000137

# MAP # 4

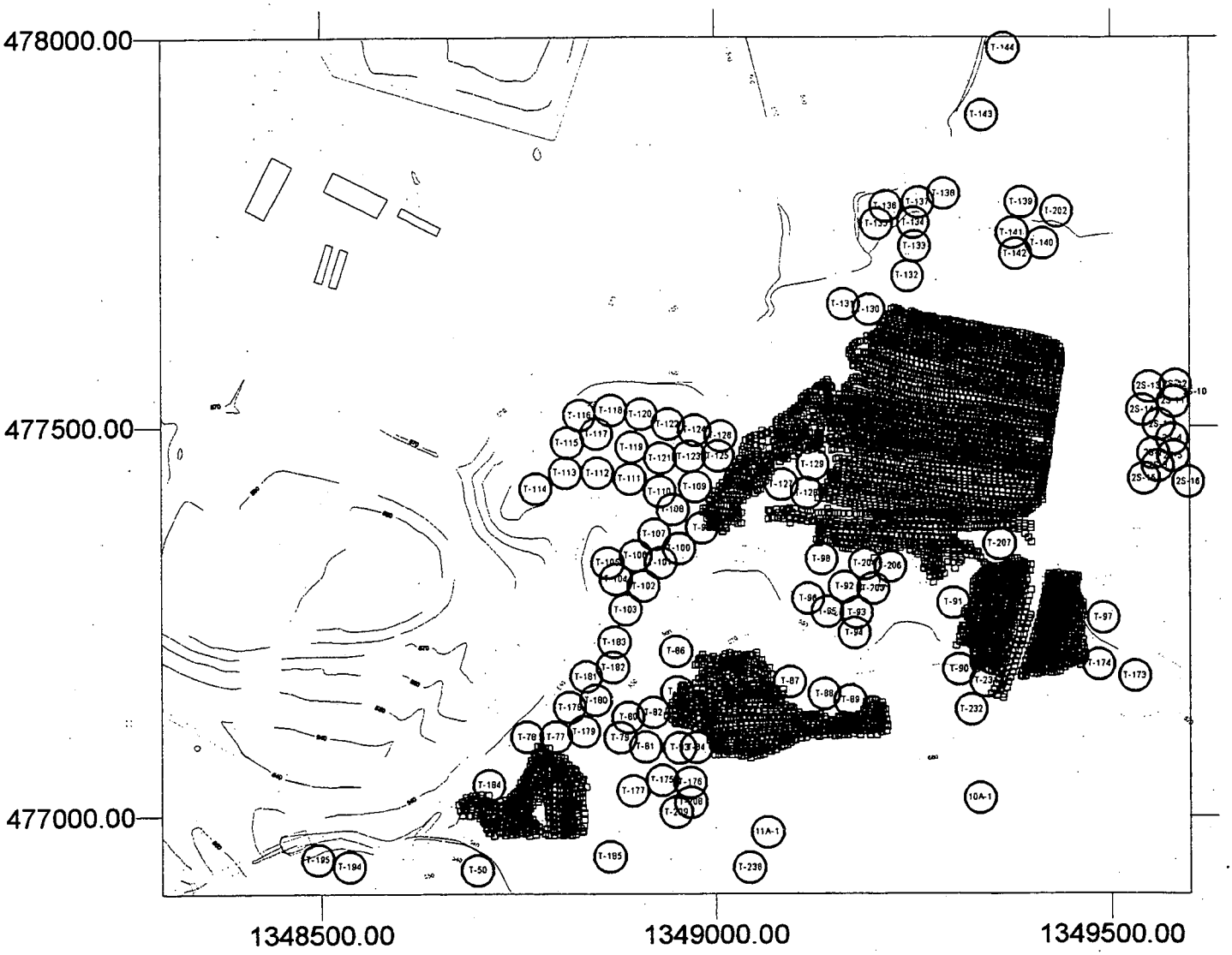
(includes sections # 16,17, 21, & 22)

2318

## Radium 226 (pCi/gm)

Moisture & Radon Corrected
Two Spectra running average
Coverage Plot, Field of View to Scale

N




Legend
pCi/gm

- -1.00 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP4-RA-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP4_RA_2PT_MC.srf
Date Prepared: 3/30/99

000138

# MAP #5

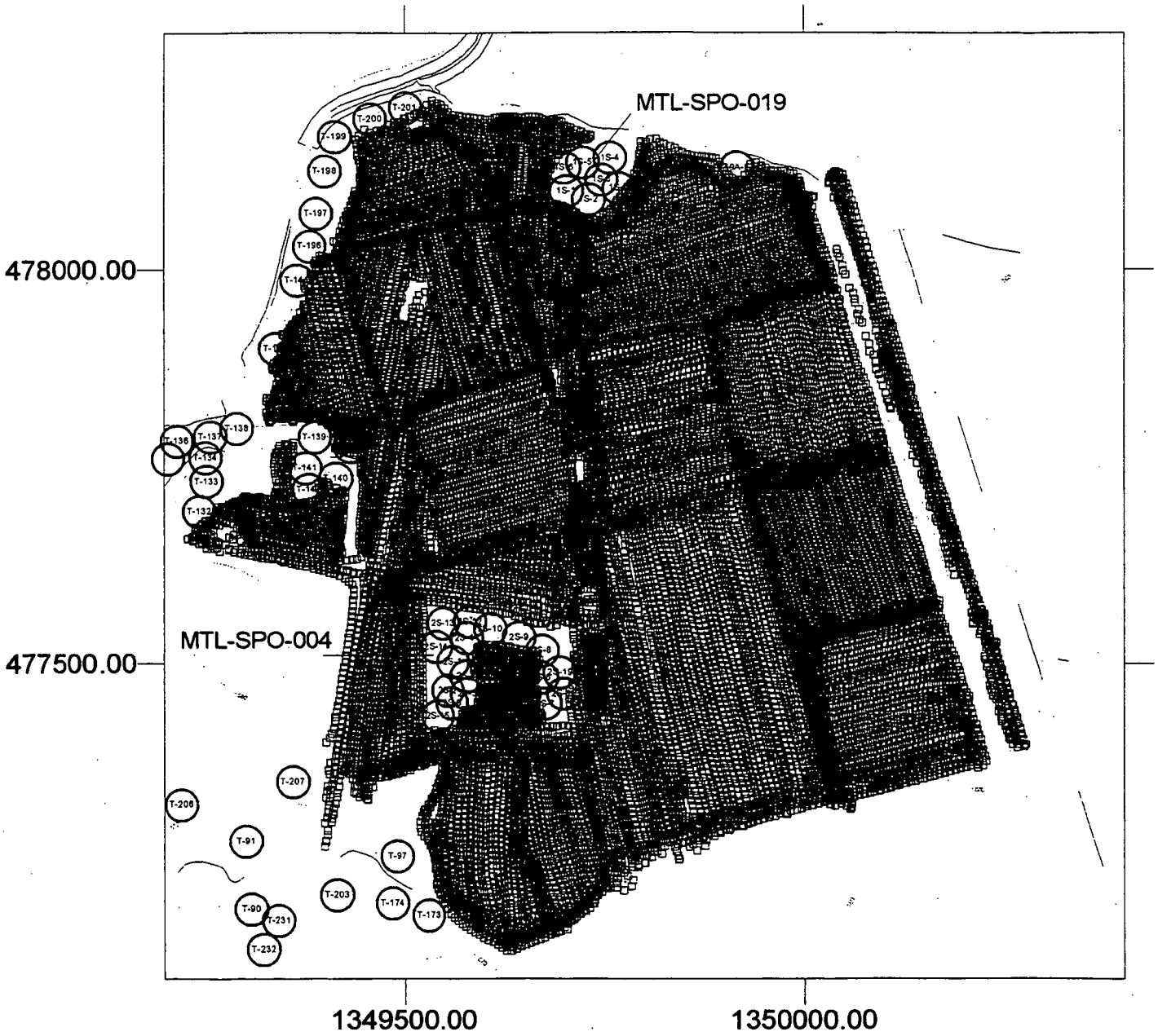
(includes sections # 14,15,19,&20)

2318

## Radium 226 (pCi/gm)

Moisture & Radon Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Ra-226 (pCi/gm)

- -0.30 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP5-RA-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP5_RA_2PT_MC.srf
Date Prepared: 3/30/99

000139

# SOIL PILE 1

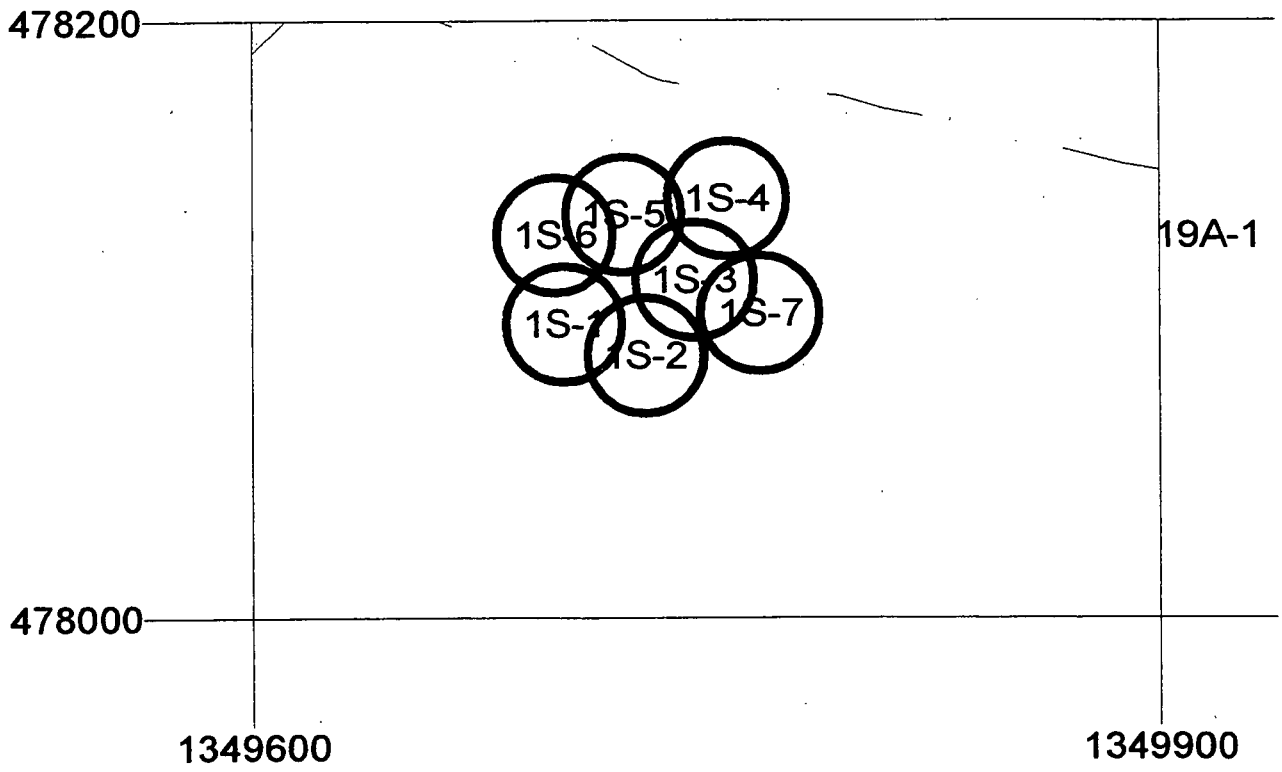
2318

(MTL-SPO-019)

## Radium 226 (pCi/gm)

Moisture & Radon Corrected
One Spectra, no average
Coverage Plot, Field Of View to Scale

N




Legend
Ra-226 (pCi/gm)

- 0.00 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP1S-RA-1PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP1S_RA_1PT_MC.srf
Date Prepared: 3/30/99

# SOIL PILE 2

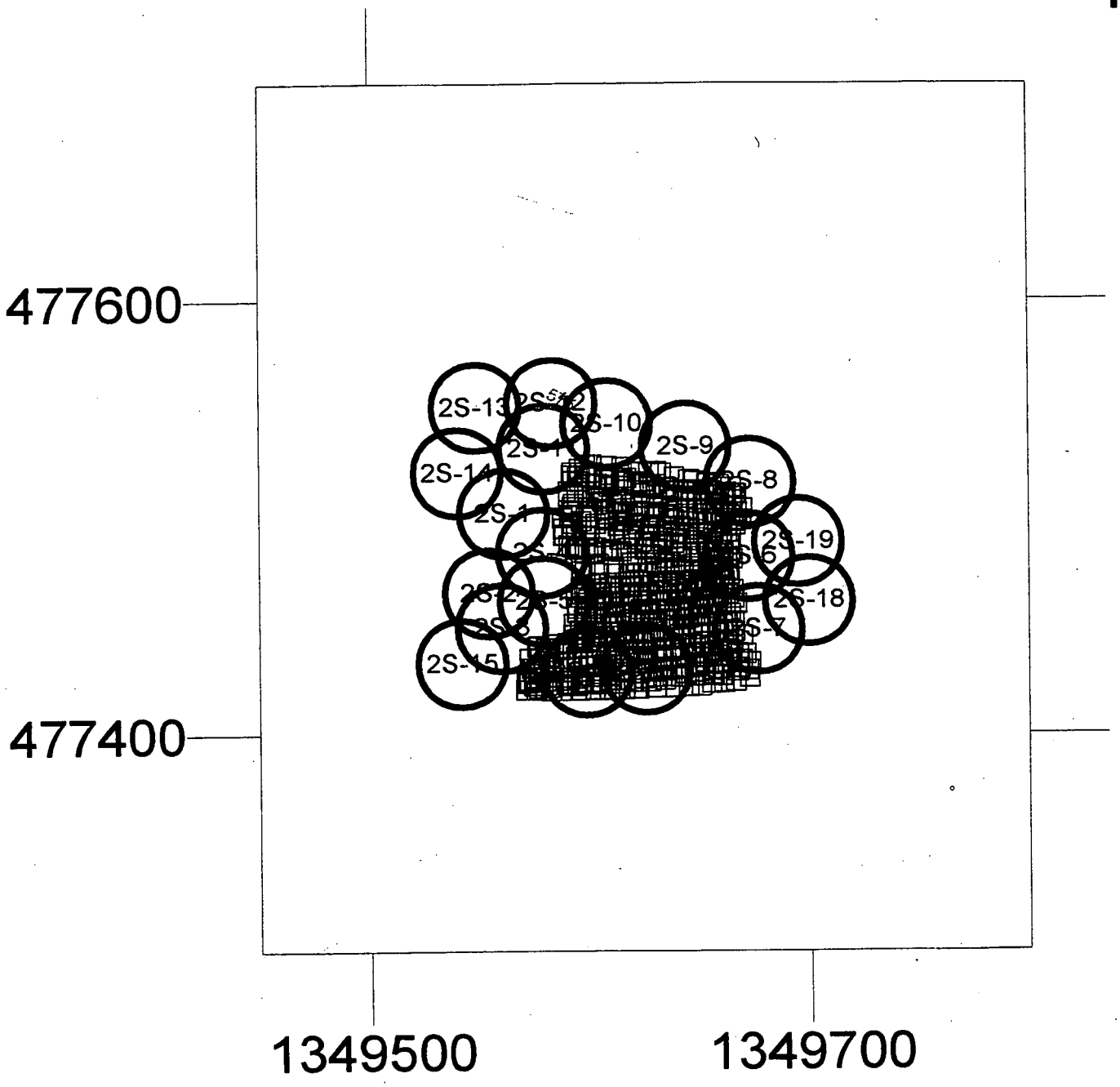
(MTL-SPO-004)

## Radium 226 (pCi/gm)

2318

Moisture & Radon Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Ra-226 (pCi/gm)

- -0.20 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP2S-RA-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP2S_RA_2PT_MC.srf
Date Prepared: 3/30/99

# SOIL PILE 3

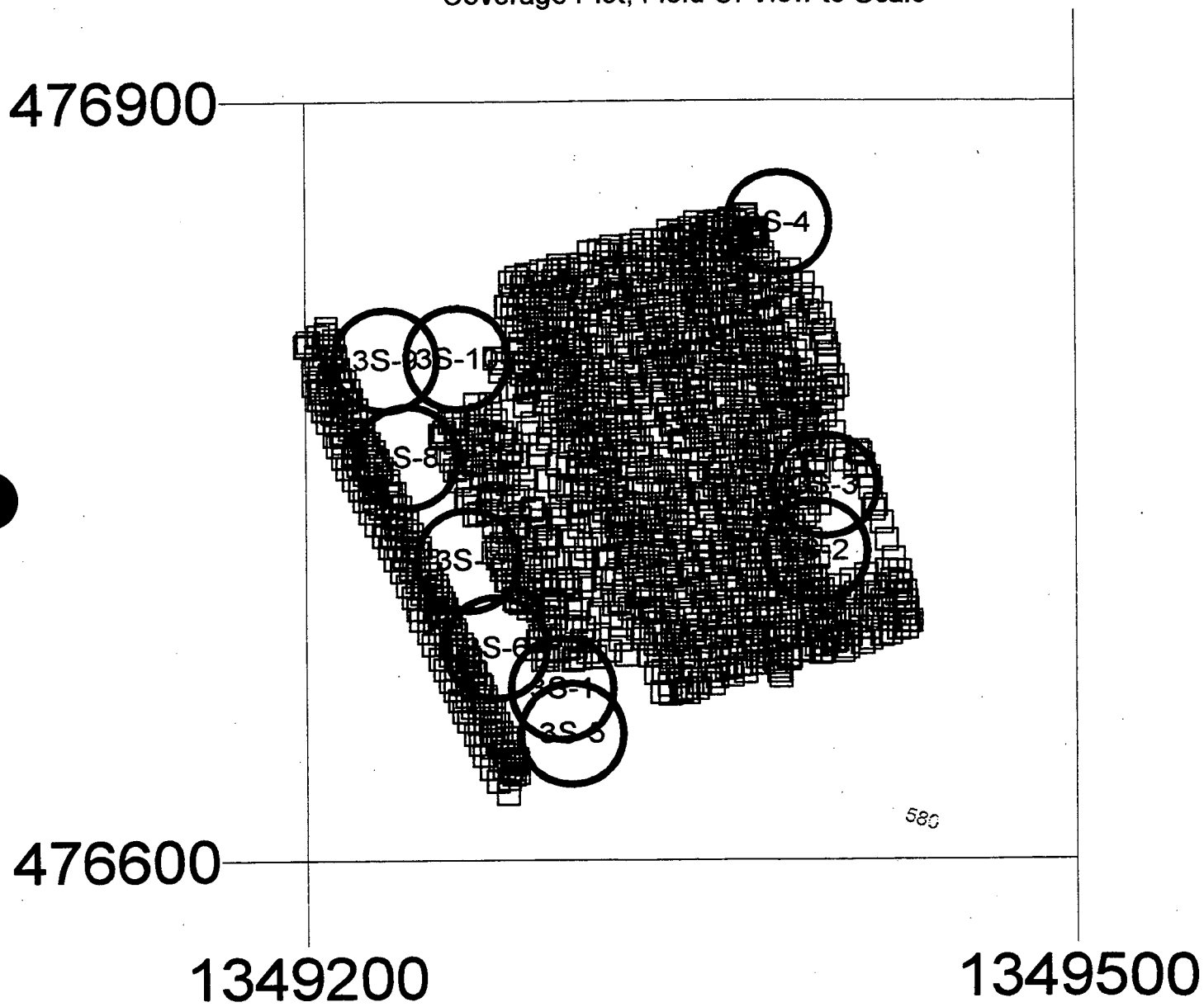
(MTL-SPO-005)

2318

## Radium 226 (pCi/gm)

Moisture & Radon Corrected
Two Spectra running average
Coverage Plot, Field Of View to Scale

N




Legend
Ra-226 (pCi/gm)

- 0.00 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP3S-RA-2PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP3S_RA_2PT_MC.srf
Date Prepared: 3/30/99

000142

# SOIL PILE 4

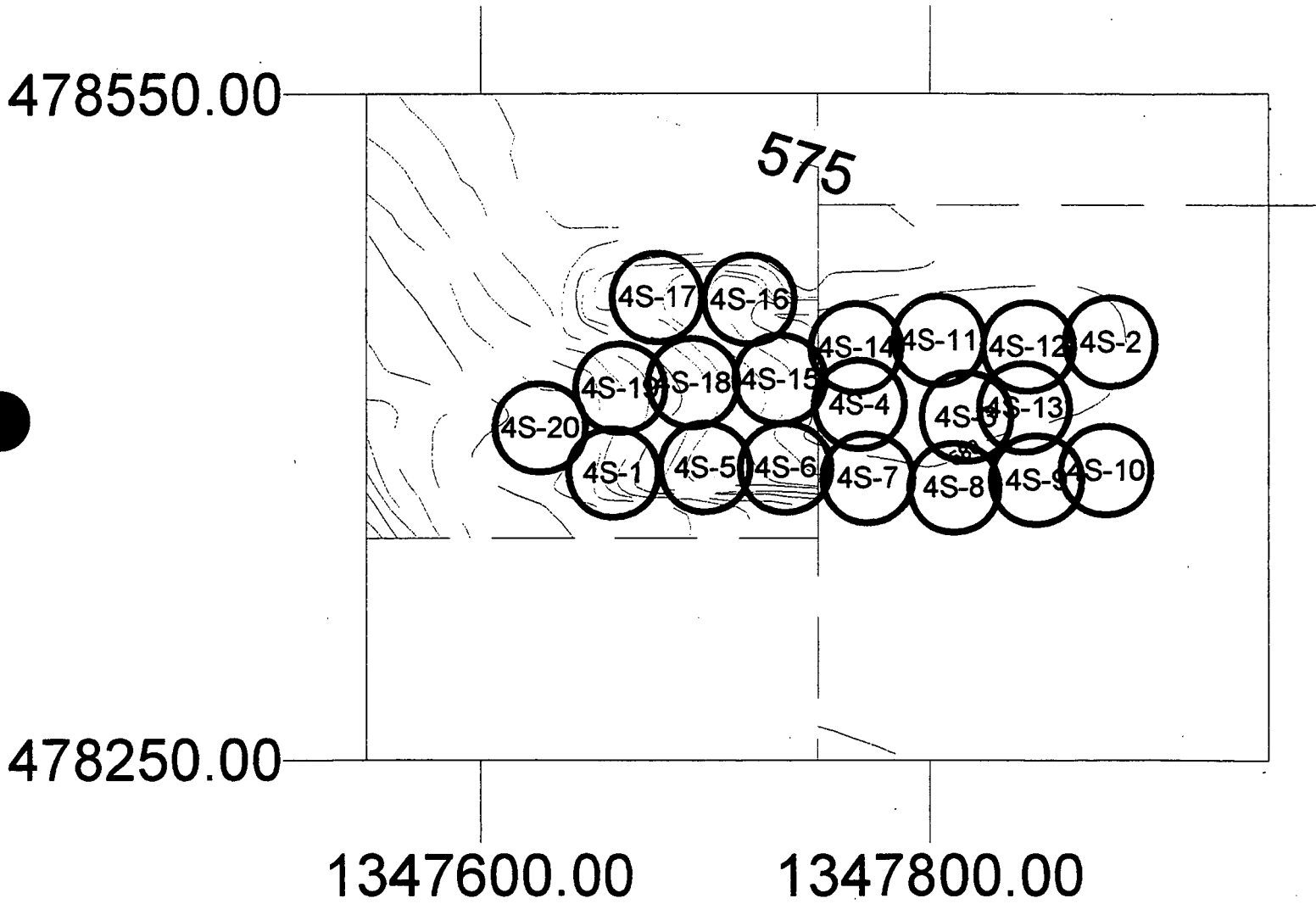
(MTL-HRD-011)

2318

## Radium 226 (pCi/gm)

Moisture & Radon Corrected
One Spectra, no average
Coverage Plot, Field Of View to Scale

N




Legend
Ra-226 (pCi/gm)

- 0.00 to 1.70
- 1.70 to 3.40
- 3.40 to 5.10
- 5.10 to 10000.00

RTIMP DWG Title: A2P3-P1-MAP4S-RA-1PT-MC
Project: 20460-PSP-0001
Name: A2P3 PRECERT
Prepared by: David Allen
File: A2P3_P1_MAP4S_RA_1PT_MC.srf
Date Prepared: 3/30/99

# APPENDIX D
## HPGe RESULTS FOR RADIUM-226

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | RADIUM-226 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-1S-1-G | 478098.41 | 1349703.46 | 100cm | 1.10 |
| A2P3-P1-1S-2-G | 478140.33 | 1349757.44 | 100cm | 0.97 |
| A2P3-P1-1S-3-G | 478113.16 | 1349746.76 | 100cm | 0.99 |
| A2P3-P1-1S-4-G | 478140.33 | 1349757.44 | 100cm | 0.91 |
| A2P3-P1-1S-4-G-D | 478140.33 | 1349757.44 | 100cm | 0.94 |
| A2P3-P1-1S-5-G | 478135.02 | 1349723.38 | 100cm | 0.96 |
| A2P3-P1-1S-6-G | 478128.18 | 1349700.65 | 100cm | 1.08 |
| A2P3-P1-1S-7-G | 478102.04 | 1349768.25 | 100cm | 0.97 |
| A2P3-P1-2S-1-G | 477501.71 | 1349561.21 | 100cm | 0.97 |
| A2P3-P1-2S-2-G | 477465.03 | 1349554.42 | 100cm | 1.10 |
| A2P3-P1-2S-3-G | 477448.99 | 1349560.14 | 100cm | 1.08 |
| A2P3-P1-2S-4-G | 477483.73 | 1349578.52 | 100cm | 1.11 |
| A2P3-P1-2S-5-G | 477461.21 | 1349579.4 | 100cm | 1.10 |
| A2P3-P1-2S-6-G | 477481.71 | 1349672.3 | 100cm | 0.97 |
| A2P3-P1-2S-7-G | 477448.06 | 1349676.63 | 100cm | 1.03 |
| A2P3-P1-2S-8-G | 477516.01 | 1349673 | 100cm | 1.06 |
| A2P3-P1-2S-9-G | 477532.35 | 1349643.97 | 100cm | 0.97 |
| A2P3-P1-2S-10-G | 477543.01 | 1349608.07 | 100cm | 1.03 |
| A2P3-P1-2S-11-G | 477531.59 | 1349579.34 | 100cm | 0.87 |
| A2P3-P1-2S-12-G | 477552.73 | 1349582.89 | 100cm | 1.13 |
| A2P3-P1-2S-13-G | 477550.68 | 1349548.54 | 100cm | 1.07 |
| A2P3-P1-2S-14-G | 477520.55 | 1349540.15 | 100cm | 1.02 |
| A2P3-P1-2S-14-G-D | 477520.55 | 1349540.15 | 100cm | 1.19 |
| A2P3-P1-2S-15-G | 477432.49 | 1349542.05 | 100cm | 0.99 |
| A2P3-P1-2S-16-G | 477428.57 | 1349598.93 | 100cm | 0.98 |
| A2P3-P1-2S-17-G | 477429.95 | 1349625.9 | 100cm | 1.10 |
| A2P3-P1-2S-18-G | 477461.31 | 1349699.89 | 100cm | 1.17 |
| A2P3-P1-2S-19-G | 477488.33 | 1349695 | 100cm | 1.31 |
| A2P3-P1-3S-1-G | 476667.66 | 1349299.87 | 100cm | 0.84 |
| A2P3-P1-3S-2-G | 476721.93 | 1349398.9 | 100cm | 0.95 |
| A2P3-P1-3S-3-G | 476747.62 | 1349402.6 | 100cm | 0.84 |
| A2P3-P1-3S-4-G | 476851.5 | 1349384.65 | 100cm | 0.98 |
| A2P3-P1-3S-5-G | 476650.04 | 1349303.65 | 100cm | 1.02 |
| A2P3-P1-3S-6-G | 476683.9 | 1349274.07 | 100cm | 1.04 |
| A2P3-P1-3S-7-G | 476718.54 | 1349263.38 | 100cm | 0.93 |
| A2P3-P1-3S-8-G | 476759.35 | 1349239.43 | 100cm | 1.14 |
| A2P3-P1-3S-9-G | 476797.71 | 1349231.25 | 100cm | 1.12 |
| A2P3-P1-3S-10-G | 476798.26 | 1349259.33 | 100cm | 1.08 |
| A2P3-P1-4S-1-G | 478379.31 | 1347659.17 | 100cm | 0.81 |
| A2P3-P1-4S-2-G | 478438.17 | 1344880.14 | 100cm | 0.87 |
| A2P3-P1-4S-3-G | 478404.4 | 1347816.13 | 100cm | 0.88 |
| A2P3-P1-4S-4-G | 478410.05 | 1347768.52 | 100cm | 1.07 |
| A2P3-P1-4S-4-G-D | 478410.05 | 1347768.52 | 100cm | 1.06 |
| A2P3-P1-4S-5-G | 478381.76 | 1347699.99 | 100cm | 0.86 |
| A2P3-P1-4S-6-G | 478381.63 | 1347735.57 | 100cm | 0.92 |
| A2P3-P1-4S-7-G | 478376.97 | 1347772.27 | 100cm | 0.89 |
| A2P3-P1-4S-8-G | 478372.87 | 1347810.77 | 100cm | 0.84 |
| A2P3-P1-4S-9-G | 478376.07 | 1347847.33 | 100cm | 1.11 |
| A2P3-P1-4S-10-G | 478380.56 | 1347877.97 | 100cm | 0.90 |
| A2P3-P1-4S-11-G | 478438.93 | 1347803.84 | 100cm | 1.03 |

## APPENDIX D
## HPGe RESULTS FOR RADIUM-226

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | RADIUM-226 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-4S-12-G | 478436.17 | 1347843.51 | 100cm | 0.99 |
| A2P3-P1-4S-13-G | 478408.73 | 1347841.87 | 100cm | 0.94 |
| A2P3-P1-4S-14-G | 478435.7 | 1347767.17 | 100cm | 1.14 |
| A2P3-P1-4S-15-G | 478421.27 | 1347733.25 | 100cm | 0.99 |
| A2P3-P1-4S-16-G | 478457.33 | 1347719.71 | 100cm | 0.87 |
| A2P3-P1-4S-17-G | 478458.43 | 1347678.6 | 100cm | 0.95 |
| A2P3-P1-4S-18-G | 478419.95 | 1347694.64 | 100cm | 1.06 |
| A2P3-P1-4S-19-G | 478417.42 | 1347662 | 100cm | 1.02 |
| A2P3-P1-4S-20-G | 478399.65 | 1347626.61 | 100cm | 1.19 |
| A2P3-P1-T-1-G | 476363.31 | 1348121.87 | 100cm | 0.64 |
| A2P3-P1-T-2-G | 476386.61 | 1348151.89 | 100cm | 0.59 |
| A2P3-P1-T-3-G | 476406.03 | 1348186.29 | 100cm | 0.58 |
| A2P3-P1-T-4-G | 476421.29 | 1348219.75 | 100cm | 0.66 |
| A2P3-P1-T-5-G | 476442.9 | 1348198.16 | 100cm | 0.77 |
| A2P3-P1-T-6-G | 476456.77 | 1348242.41 | 100cm | 0.67 |
| A2P3-P1-T-7-G | 476486.47 | 1348272.35 | 100cm | 0.80 |
| A2P3-P1-T-8-G | 476520.27 | 1348298.27 | 100cm | 0.67 |
| A2P3-P1-T-9-G | 476543.15 | 1348265.99 | 100cm | 0.62 |
| A2P3-P1-T-10-G | 476557.96 | 1348237.22 | 100cm | 0.72 |
| A2P3-P1-T-11-G | 476508.15 | 1348240.07 | 100cm | 0.70 |
| A2P3-P1-T-12-G | 476479.13 | 1348213.83 | 100cm | 0.72 |
| A2P3-P1-T-13-G* | 476590.46 | 1348245.5 | 100cm | 0.69 |
| A2P3-P1-T-14-G | 476547.47 | 1348319 | 100cm | 0.68 |
| A2P3-P1-T-15-G | 476574.26 | 1348350.99 | 100cm | 0.72 |
| A2P3-P1-T-15-G-D | 476574.26 | 1348350.99 | 100cm | 0.86 |
| A2P3-P1-T-16-G | 476602.98 | 1348378.02 | 100cm | 0.85 |
| A2P3-P1-T-17-G | 476575.26 | 1348280.95 | 100cm | 0.76 |
| A2P3-P1-T-18-G | 476602.84 | 1348306.03 | 100cm | 0.96 |
| A2P3-P1-T-19-G | 476614.52 | 1348337.82 | 100cm | 0.70 |
| A2P3-P1-T-20-G | 476626.17 | 1348303.25 | 100cm | 0.84 |
| A2P3-P1-T-21-G | 476659.64 | 1348296.59 | 100cm | 0.86 |
| A2P3-P1-T-22-G | 476621.58 | 1348226.79 | 100cm | 0.60 |
| A2P3-P1-T-23-G | 476616.17 | 1348253.44 | 100cm | 0.78 |
| A2P3-P1-T-24-G | 476618.04 | 1348278.34 | 100cm | 0.87 |
| A2P3-P1-T-25-G | 476656.34 | 1348211.88 | 100cm | 0.63 |
| A2P3-P1-T-26-G | 476657.27 | 1348250 | 100cm | 0.59 |
| A2P3-P1-T-27-G | 476648.45 | 1348272.71 | 100cm | 0.77 |
| A2P3-P1-T-28-G | 476681.9 | 1348236.76 | 100cm | 0.56 |
| A2P3-P1-T-29-G | 476707.74 | 1348250.2 | 100cm | 0.63 |
| A2P3-P1-T-30-G | 476733.6 | 1348216.15 | 100cm | 0.87 |
| A2P3-P1-T-31-G | 476718.11 | 1348180.93 | 100cm | 1.46 |
| A2P3-P1-T-32-G | 476688.81 | 1348170.2 | 100cm | 0.93 |
| A2P3-P1-T-33-G | 476743.5 | 1348159.65 | 100cm | 0.74 |
| A2P3-P1-T-34-G | 476729.6 | 1348145.22 | 100cm | 0.94 |
| A2P3-P1-T-35-G | 476856.55 | 1348458.54 | 100cm | 0.91 |
| A2P3-P1-T-36-G | 476869.95 | 1348534.79 | 100cm | 1.11 |
| A2P3-P1-T-37-G | 476659.36 | 1348675.26 | 100cm | 0.75 |
| A2P3-P1-T-38-G | 476613.13 | 1348679.44 | 100cm | 0.75 |
| A2P3-P1-T-39-G | 476519.82 | 1348716.1 | 100cm | 0.72 |
| A2P3-P1-T-40-G | 476570.78 | 1348705.83 | 100cm | 0.69 |

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APPENDIX D
HPGe RESULTS FOR RADIUM-226

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| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | RADIUM-226 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-41-G | 476609.4 | 1348702.46 | 100cm | 0.87 |
| A2P3-P1-T-42-G | 476653.74 | 1348702.03 | 100cm | 0.85 |
| A2P3-P1-T-43-G | 4766707.16 | 1348703.36 | 100cm | 0.85 |
| A2P3-P1-T-44-G | 476728.16 | 1348726.16 | 100cm | 0.85 |
| A2P3-P1-T-45-G | 476743.59 | 1348745.49 | 100cm | 0.92 |
| A2P3-P1-T-46-G | 476783.06 | 1348737.39 | 100cm | 0.75 |
| A2P3-P1-T-47-G | 476813.25 | 1348730.43 | 100cm | 0.62 |
| A2P3-P1-T-48-G | 476847.57 | 1348711.22 | 100cm | 0.95 |
| A2P3-P1-T-49-G | 476884.85 | 1348708.8 | 100cm | 0.99 |
| A2P3-P1-T-50-G | 476930.36 | 1348698.01 | 100cm | 0.94 |
| A2P3-P1-T-51-G | 476857.52 | 1348738.28 | 100cm | 0.87 |
| A2P3-P1-T-52-G | 476823.75 | 1348764.43 | 100cm | 0.84 |
| A2P3-P1-T-53-G | 476640.97 | 1348991.62 | 100cm | 0.65 |
| A2P3-P1-T-54-G | 476627.58 | 1349023.09 | 100cm | 0.67 |
| A2P3-P1-T-55-G | 476545.11 | 1349086.6 | 100cm | 0.68 |
| A2P3-P1-T-56-G | 476512.47 | 1349089.4 | 100cm | 1.26 |
| A2P3-P1-T-57-G | 476474.72 | 1349105.04 | 100cm | 0.86 |
| A2P3-P1-T-58-G | 476437.77 | 1349123.94 | 100cm | 0.70 |
| A2P3-P1-T-59-G | 476408.14 | 1349148.66 | 100cm | 0.96 |
| A2P3-P1-T-60-G | 476374.22 | 1349166.89 | 100cm | 0.85 |
| A2P3-P1-T-61-G | 476507.5 | 1349220 | 100cm | 0.93 |
| A2P3-P1-T-62-G | 476517.16 | 1349188.48 | 100cm | 0.94 |
| A2P3-P1-T-63-G | 476544.73 | 1349198.13 | 100cm | 0.77 |
| A2P3-P1-T-64-G | 476587.62 | 1349184.8 | 100cm | 0.76 |
| A2P3-P1-T-65-G | 476624.99 | 1349170 | 100cm | 0.82 |
| A2P3-P1-T-66-G | 476554.65 | 1349132.45 | 100cm | 0.87 |
| A2P3-P1-T-67-G | 476587.51 | 1349112.67 | 100cm | 0.80 |
| A2P3-P1-T-68-G | 476594.77 | 1349083.43 | 100cm | 0.79 |
| A2P3-P1-T-69-G | 476632.75 | 1349098.81 | 100cm | 0.81 |
| A2P3-P1-T-70-G | 476662.92 | 1349080.68 | 100cm | 0.76 |
| A2P3-P1-T-71-G | 476681.83 | 1349041.95 | 100cm | 0.85 |
| A2P3-P1-T-72-G | 476683.95 | 1348991.61 | 100cm | 0.85 |
| A2P3-P1-T-73-G | 476682.9 | 1348971.41 | 100cm | 0.90 |
| A2P3-P1-T-74-G | 476776.2 | 1348941.47 | 100cm | 0.64 |
| A2P3-P1-T-75-G | 476778.99 | 1348920.13 | 100cm | 0.70 |
| A2P3-P1-T-76-G | 476827.31 | 1348885.95 | 100cm | 0.86 |
| A2P3-P1-T-77-G | 477101.22 | 1348798.44 | 100cm | 1.25 |
| A2P3-P1-T-78-G | 477101.36 | 1348761.88 | 100cm | 1.27 |
| A2P3-P1-T-79-G | 477100.63 | 1348879.73 | 100cm | 0.97 |
| A2P3-P1-T-80-G | 477127.11 | 1348889.9 | 100cm | 0.98 |
| A2P3-P1-T-81-G | 477089.1 | 1348911.37 | 100cm | 1.04 |
| A2P3-P1-T-82-G* | 477133.26 | 1348921.66 | 100cm | 0.74 |
| A2P3-P1-T-82-G-D | 477123.86 | 1348918.5 | 100cm | 0.99 |
| A2P3-P1-T-83-G* | 477087.7 | 1348954.66 | 100cm | 1.08 |
| A2P3-P1-T-83-G-D* | 477087.7 | 1348954.66 | 100cm | 1.08 |
| A2P3-P1-T-84-G* | 477088.04 | 1348975.51 | 100cm | 1.02 |
| A2P3-P1-T-85-G | 477159.76 | 1348952.02 | 100cm | 0.81 |
| A2P3-P1-T-86-G | 477211.63 | 1348950.25 | 100cm | 0.82 |
| A2P3-P1-T-87-G | 477172.21 | 1349093.42 | 100cm | 0.91 |
| A2P3-P1-T-88-G | 477156.33 | 1349137.25 | 100cm | 0.74 |

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## APPENDIX D
## HPGe RESULTS FOR RADIUM-226

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | RADIUM-226 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-89-G | 477148.26 | 1349170.15 | 100cm | 0.74 |
| A2P3-P1-T-90-G | 477188.05 | 1349309.07 | 100cm | 0.97 |
| A2P3-P1-T-91-G | 477273.66 | 1349302.34 | 100cm | 1.26 |
| A2P3-P1-T-92-G | 477294.01 | 1349163.08 | 100cm | 0.92 |
| A2P3-P1-T-93-G | 477260.68 | 1349178.9 | 100cm | 1.06 |
| A2P3-P1-T-94-G | 477234.47 | 1349175.68 | 100cm | 0.83 |
| A2P3-P1-T-95-G | 477262.08 | 1349141.32 | 100cm | 0.95 |
| A2P3-P1-T-96-G | 477278.97 | 1349116.81 | 100cm | 1.04 |
| A2P3-P1-T-97-G | 477254.57 | 1349490.36 | 100cm | 0.94 |
| A2P3-P1-T-97-G-D | 477254.57 | 1349490.36 | 100cm | 0.91 |
| A2P3-P1-T-98-G | 477329.81 | 1349134.06 | 100cm | 0.96 |
| A2P3-P1-T-99-G | 477369.93 | 1348983.62 | 100cm | 0.74 |
| A2P3-P1-T-100-G | 477343.51 | 1348954.49 | 100cm | 0.67 |
| A2P3-P1-T-101-G | 477325.15 | 1348931.46 | 100cm | 0.65 |
| A2P3-P1-T-102-G | 477295.06 | 1348909.76 | 100cm | 0.61 |
| A2P3-P1-T-103-G | 477426.9 | 1348778.97 | 100cm | 0.56 |
| A2P3-P1-T-104-G | 477303.86 | 1348875.08 | 100cm | 0.77 |
| A2P3-P1-T-105-G | 477325.2 | 1348864.79 | 100cm | 0.64 |
| A2P3-P1-T-106-G | 477334.24 | 1348899.42 | 100cm | 0.63 |
| A2P3-P1-T-107-G | 477361.86 | 1348923.8 | 100cm | 0.66 |
| A2P3-P1-T-108-G | 477393.64 | 1348946.62 | 100cm | 0.76 |
| A2P3-P1-T-109-G | 477422.6 | 1348975.15 | 100cm | 0.70 |
| A2P3-P1-T-110-G | 477416.45 | 1348930.58 | 100cm | 0.90 |
| A2P3-P1-T-111-G | 477432.93 | 1348892.68 | 100cm | 0.85 |
| A2P3-P1-T-112-G | 477440.31 | 1348851.99 | 100cm | 0.98 |
| A2P3-P1-T-112-G-D | 477440.31 | 1348851.99 | 100cm | 0.96 |
| A2P3-P1-T-113-G | 477440.67 | 1348810.72 | 100cm | 1.04 |
| A2P3-P1-T-114-G | 477419.77 | 1348773.39 | 100cm | 0.67 |
| A2P3-P1-T-115-G | 477478.99 | 1348813.89 | 100cm | 0.72 |
| A2P3-P1-T-116-G | 477514.18 | 1348829.61 | 100cm | 0.71 |
| A2P3-P1-T-117-G | 477490.67 | 1348850.48 | 100cm | 0.68 |
| A2P3-P1-T-118-G | 477520.8 | 1348868.92 | 100cm | 0.61 |
| A2P3-P1-T-119-G | 477473.62 | 1348894.98 | 100cm | 1.07 |
| A2P3-P1-T-120-G | 477515.67 | 1348906.64 | 100cm | 0.68 |
| A2P3-P1-T-121-G | 477459.45 | 1348931.37 | 100cm | 1.05 |
| A2P3-P1-T-122-G | 477503.12 | 1348941.3 | 100cm | 0.73 |
| A2P3-P1-T-123-G | 477461.36 | 1348968.12 | 100cm | 1.01 |
| A2P3-P1-T-124-G | 477495.79 | 1348974.68 | 100cm | 0.99 |
| A2P3-P1-T-125-G | 477462.24 | 1349003.81 | 100cm | 0.62 |
| A2P3-P1-T-126-G | 477487.81 | 1349007.39 | 100cm | 0.91 |
| A2P3-P1-T-127-G | 477425.5 | 1349083.19 | 100cm | 0.81 |
| A2P3-P1-T-128-G | 477414.3 | 1349115.27 | 100cm | 0.77 |
| A2P3-P1-T-129-G | 477451.12 | 1349122.83 | 100cm | 0.90 |
| A2P3-P1-T-130-G | 477649.58 | 1349195.03 | 100cm | 0.44 |
| A2P3-P1-T-131-G | 477656.78 | 1349162.61 | 100cm | 0.56 |
| A2P3-P1-T-132-G | 477692.91 | 1349243.99 | 100cm | 0.50 |
| A2P3-P1-T-133-G | 477730.78 | 1349253.63 | 100cm | 0.55 |
| A2P3-P1-T-134-G | 477760.95 | 1349252.22 | 100cm | 0.62 |
| A2P3-P1-T-135-G | 477759.61 | 1349205.05 | 100cm | 0.58 |
| A2P3-P1-T-136-G | 477782.34 | 1349216.68 | 100cm | 0.61 |

# APPENDIX D
## HPGe RESULTS FOR RADIUM-226

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | RADIUM-226 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-137-G | 477787.04 | 1349258.39 | 100cm | 0.49 |
| A2P3-P1-T-138-G | 477798.13 | 1349291 | 100cm | 0.64 |
| A2P3-P1-T-139-G | 477786.91 | 1349388.3 | 100cm | 0.77 |
| A2P3-P1-T-140-G | 477734.32 | 1349414.58 | 100cm | 0.76 |
| A2P3-P1-T-141-G | 477747.76 | 1349376.38 | 100cm | 0.76 |
| A2P3-P1-T-141-G-D | 477747.76 | 1349376.38 | 100cm | 0.72 |
| A2P3-P1-T-142-G | 477720.73 | 1349380.58 | 100cm | 0.78 |
| A2P3-P1-T-143-G | 477899.44 | 1349338.82 | 100cm | 0.59 |
| A2P3-P1-T-144-G | 477985.98 | 1349366.21 | 100cm | 0.85 |
| A2P3-P1-T-173-G | 477179.76 | 1349530.36 | 100cm | 0.90 |
| A2P3-P1-T-174-G | 477195.04 | 1349484.72 | 100cm | 0.91 |
| A2P3-P1-T-175-G | 477046.05 | 1348932.87 | 100cm | 1.10 |
| A2P3-P1-T-176-G | 477043.27 | 1348968.13 | 100cm | 0.88 |
| A2P3-P1-T-176-G-D | 477043.27 | 1348968.13 | 100cm | 0.99 |
| A2P3-P1-T-177-G | 477032.44 | 1348895.91 | 100cm | 1.13 |
| A2P3-P1-T-178-G | 477139.4 | 1348816.16 | 100cm | 1.06 |
| A2P3-P1-T-179-G | 477108.72 | 1348834.16 | 100cm | 1.19 |
| A2P3-P1-T-180-G | 477148.68 | 1348849.32 | 100cm | 1.13 |
| A2P3-P1-T-181-G | 477178.92 | 1348837.17 | 100cm | 1.21 |
| A2P3-P1-T-182-G | 477190.84 | 1348871.04 | 100cm | 1.19 |
| A2P3-P1-T-183-G | 477223.42 | 1348872.9 | 100cm | 0.78 |
| A2P3-P1-T-184-G | 477039.69 | 1348713.33 | 100cm | 1.03 |
| A2P3-P1-T-185-G | 476948.29 | 1348866.44 | 100cm | 1.13 |
| A2P3-P1-T-186-G | 476817.11 | 1348833.15 | 100cm | 0.84 |
| A2P3-P1-T-187-G | 476780.39 | 1348847.17 | 100cm | 0.77 |
| A2P3-P1-T-188-G | 476747.27 | 1348871.81 | 100cm | 0.80 |
| A2P3-P1-T-189-G | 476715.63 | 1348897.68 | 100cm | 0.70 |
| A2P3-P1-T-190-G | 476686.1 | 1348924.95 | 100cm | 0.78 |
| A2P3-P1-T-191-G | 476786.37 | 1348816.52 | 100cm | 0.71 |
| A2P3-P1-T-192-G | 476858.22 | 1348862.63 | 100cm | 0.88 |
| A2P3-P1-T-193-G | 476889.6 | 1348839.44 | 100cm | 1.21 |
| A2P3-P1-T-194-G | 476935.69 | 1348536.45 | 100cm | 0.99 |
| A2P3-P1-T-195-G | 476944.61 | 1348496.7 | 100cm | 1.06 |
| A2P3-P1-T-196-G | 478029.11 | 1349382.13 | 100cm | 0.79 |
| A2P3-P1-T-197-G | 478070.45 | 1349389.62 | 100cm | 0.81 |
| A2P3-P1-T-198-G | 478123.96 | 1349400.39 | 100cm | 0.80 |
| A2P3-P1-T-199-G | 478168.08 | 1349412.71 | 100cm | 0.83 |
| A2P3-P1-T-200-G | 478190.16 | 1349456.6 | 100cm | 0.83 |
| A2P3-P1-T-201-G | 478204.79 | 1349500.74 | 100cm | 0.67 |
| A2P3-P1-T-202-G | 477775.01 | 1349432.48 | 100cm | 0.99 |
| A2P3-P1-T-203-G | 477205.79 | 1349415.59 | 100cm | 0.90 |
| A2P3-P1-T-204-G | 477323.77 | 1349189.03 | 100cm | 0.748 |
| A2P3-P1-T-205-G | 477291.57 | 1349199.93 | 100cm | 0.748 |
| A2P3-P1-T-206-G | 477320.34 | 1349221.56 | 100cm | 0.929 |
| A2P3-P1-T-207-G | 477348.99 | 1349360.34 | 100cm | 0.584 |
| A2P3-P1-T-208-G | 477017.93 | 1348968.72 | 100cm | 0.866 |
| A2P3-P1-T-209-G | 477004.96 | 1348950.11 | 100cm | 0.902 |
| A2P3-P1-T-210-G | 476663.33 | 1349156.89 | 100cm | 0.742 |
| A2P3-P1-T-211-G | 476694.43 | 1349142.3 | 100cm | 1.103 |
| A2P3-P1-T-212-G | 476686.57 | 1349118.42 | 100cm | 0.731 |

## APPENDIX D
## HPGe RESULTS FOR RADIUM-226

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | RADIUM-226 (pCi/g) |
|---|---|---|---|---|
| A2P3-P1-T-213-G | 476643.22 | 1348958.26 | 100cm | 0.701 |
| A2P3-P1-T-214-G | 476501.79 | 1348727.62 | 100cm | 0.817 |
| A2P3-P1-T-215-G | 476396.67 | 1348719.4 | 100cm | 0.845 |
| A2P3-P1-T-216-G | 476369.43 | 1348703.31 | 100cm | 0.866 |
| A2P3-P1-T-217-G | 476180.9 | 1348801.78 | 100cm | 0.978 |
| A2P3-P1-T-218-G | 476153.39 | 1348817.24 | 100cm | 1.024 |
| A2P3-P1-T-219-G | 476824.59 | 1348465.87 | 100cm | 1.017 |
| A2P3-P1-T-220-G | 476320.79 | 1348079.24 | 100cm | 1.01 |
| A2P3-P1-T-221-G | 476287.63 | 1348075.9 | 100cm | 0.951 |
| A2P3-P1-T-222-G | 476257.93 | 1348090.57 | 100cm | 0.892 |
| A2P3-P1-T-223-G | 476236.85 | 1348119.11 | 100cm | 0.927 |
| A2P3-P1-T-224-G | 476222.26 | 1348152.24 | 100cm | 0.987 |
| A2P3-P1-T-225-G | 476206.61 | 1348186.77 | 100cm | 1.033 |
| A2P3-P1-T-226-G | 476192.35 | 1348218.45 | 100cm | 0.988 |
| A2P3-P1-T-227-G | 476164 | 1348246.75 | 100cm | 0.807 |
| A2P3-P1-T-228-G | 476136.51 | 1348266.63 | 100cm | 0.807 |
| A2P3-P1-T-229-G | 476104.55 | 1348286.84 | 100cm | 0.789 |
| A2P3-P1-T-230-G | 476108.63 | 1348264.86 | 100cm | 0.762 |
| A2P3-P1-T-231-G | 477172.87 | 1349342.95 | 100cm | 0.869 |
| A2P3-P1-T-232-G | 477136.63 | 1349324.52 | 100cm | 0.771 |
| A2P3-P1-T-233-G | 476896.96 | 1349055.14 | 100cm | 1.093 |
| A2P3-P1-T-234-G | 476852.01 | 1349076.81 | 100cm | 0.984 |
| A2P3-P1-T-235-G | 476792.29 | 1349093.08 | 100cm | 0.986 |
| A2P3-P1-T-236-G | 476772.82 | 1349111.05 | 100cm | 1.031 |
| A2P3-P1-T-237-G | 476722.67 | 1349123.25 | 100cm | 1.064 |
| A2P3-P1-T-238-G | 476933.63 | 1349043.01 | 100cm | 1.13 |
| A2P3-P1-10A-1-G | 477023.4 | 1349335.38 | 100cm | 0.87 |
| A2P3-P1-11A-1-G | 476979.12 | 1349064.97 | 100cm | 0.79 |
| A2P3-P1-19A-1-G | 478127.84 | 1349916.19 | 100cm | 0.80 |
| | | | **AVERAGE RESULT** | 0.88 |
| | | | **MINIMUM RESULT** | 0.44 |
| | | | **MAXIMUM RESULT** | 1.46 |
| | | | | |
| * Measurement taken twice in error; highest result is reported. | | | | |

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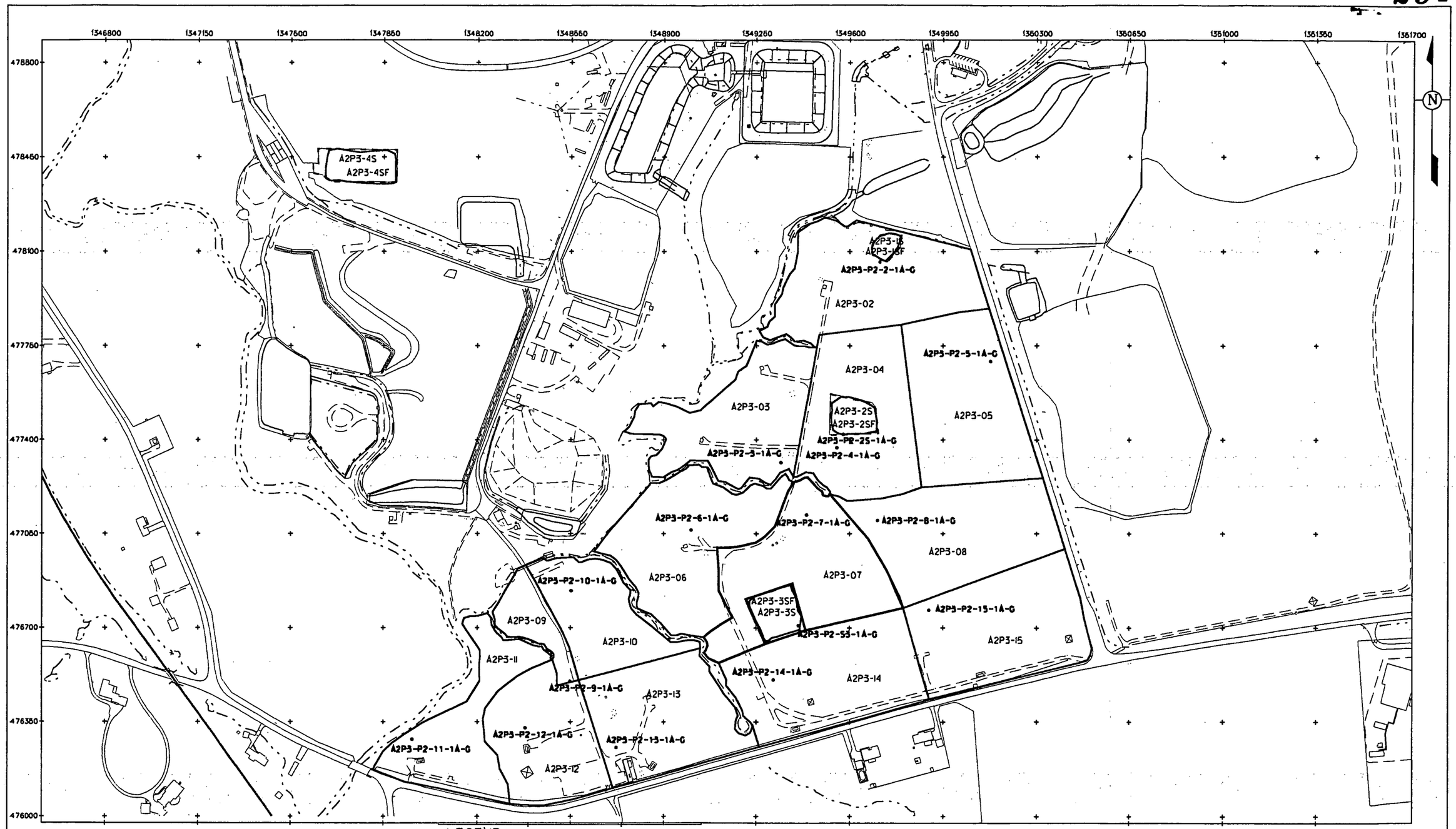
# APPENDIX E

# PHASE 2 HPGe MEASUREMENT LOCATIONS AND RESULTS




LEGEND:

——— CU BOUNDARIES

• A2PIII PART ONE PHASE 2 HPGe LOCATION

000151

SCALE

350 175 0 350 FEET

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APPENDIX E. PHASE 2 HPGe MEASUREMENT LOCATION AND RESULTS

# APPENDIX E
## PHASE 2 HPGe TOTAL URANIUM RESULTS

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | TOTAL URANIUM (PPM) |
|---|---|---|---|---|
| A2P3-P2-2-1A-G | 478061.4 | 1349712 | 100cm | 10.30 |
| A2P3-P2-2S-1A-G | 477420.5 | 1349575.7 | 100cm | 10.60 |
| A2P3-P2-3-1A-G | 477315.3 | 1349342.4 | 100cm | 0.05 |
| A2P3-P2-3S-1A-G | 476707.9 | 1349407.5 | 100cm | 9.10 |
| A2P3-P2-4-1A-G | 477371.1 | 1349551.7 | 100cm | 9.13 |
| A2P3-P2-5-1A-G | 477691.5 | 1350127.7 | 100cm | 13.90 |
| A2P3-P2-6-1A-G | 477064 | 1349003.8 | 100cm | 11.80 |
| A2P3-P2-7-1A-G | 477120.1 | 1349438.3 | 100cm | 0.07 |
| A2P3-P2-8-1A-G | 477099.9 | 1349703.3 | 100cm | 13.80 |
| A2P3-P2-9-1A-G | 476500.1 | 1348548.2 | 100cm | 8.05 |
| A2P3-P2-10-1A-G | 476837.8 | 1348552 | 100cm | 7.32 |
| A2P3-P2-11-1A-G | 476284.9 | 1347956.6 | 100cm | 0.09 |
| A2P3-P2-12-1A-G | 476327.5 | 1348379.6 | 100cm | 9.45 |
| A2P3-P2-13-1A-G | 476255 | 1348720.9 | 100cm | 8.91 |
| A2P3-P2-14-1A-G | 476505.9 | 1349314.2 | 100cm | 6.56 |
| A2P3-P2-15-1A-G | 476765.5 | 1349895.8 | 100cm | 8.92 |

## APPENDIX E
## PHASE 2 HPGe THORIUM-232 RESULTS

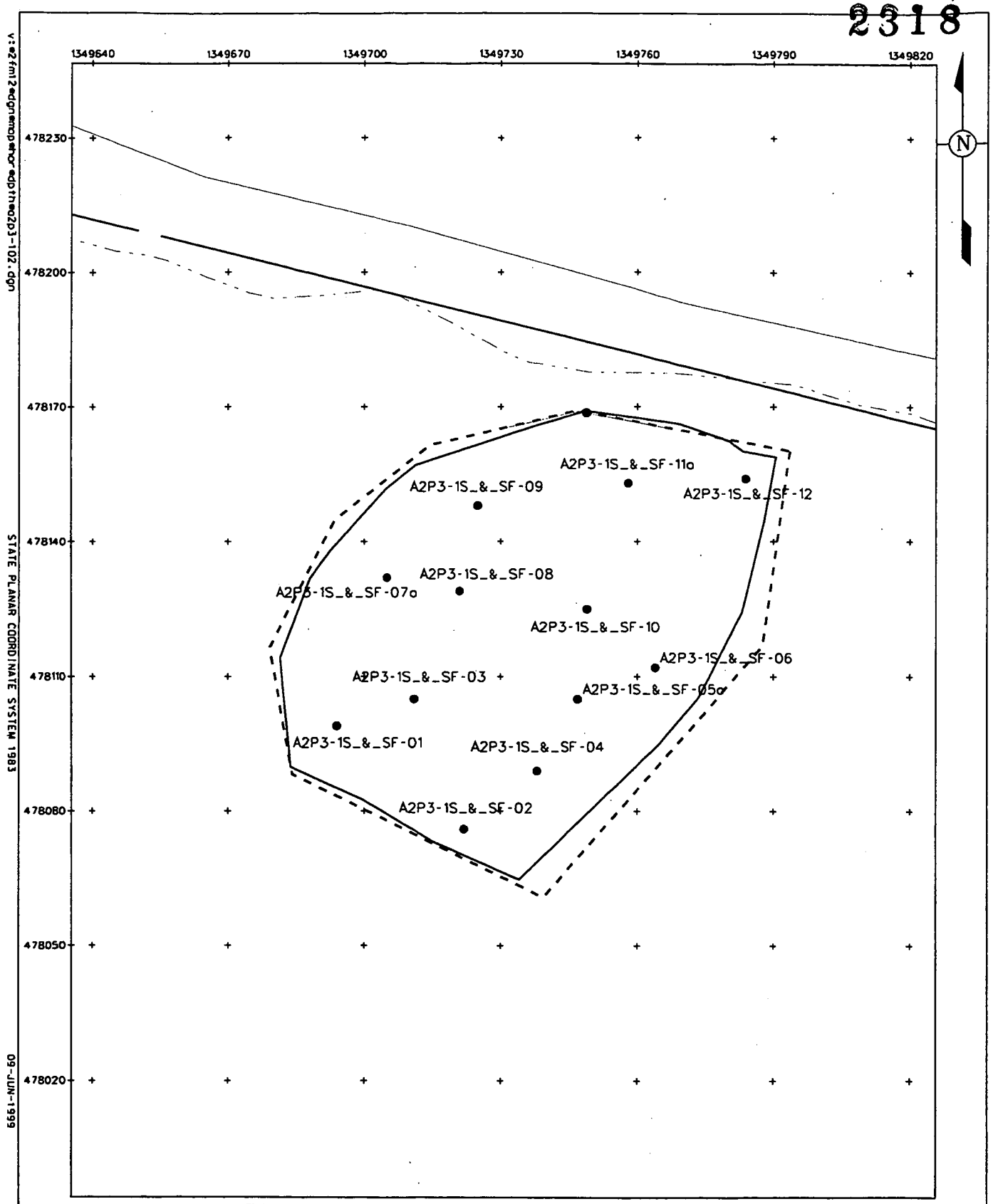
| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | THORIUM-232 (pCi/g |
|---|---|---|---|---|
| A2P3-P2-2-1A-G | 478061.4 | 1349712 | 100cm | 0.82 |
| A2P3-P2-2S-1A-G | 477420.5 | 1349575.7 | 100cm | 0.88 |
| A2P3-P2-3-1A-G | 477315.3 | 1349342.4 | 100cm | 0.807 |
| A2P3-P2-3S-1A-G | 476707.9 | 1349407.5 | 100cm | 0.773 |
| A2P3-P2-4-1A-G | 477371.1 | 1349551.7 | 100cm | 0.842 |
| A2P3-P2-5-1A-G | 477691.5 | 1350127.7 | 100cm | 0.782 |
| A2P3-P2-6-1A-G | 477064 | 1349003.8 | 100cm | 0.797 |
| A2P3-P2-7-1A-G | 477120.1 | 1349438.3 | 100cm | 0.951 |
| A2P3-P2-8-1A-G | 477099.9 | 1349703.3 | 100cm | 1.04 |
| A2P3-P2-9-1A-G | 476500.1 | 1348548.2 | 100cm | 0.738 |
| A2P3-P2-10-1A-G | 476837.8 | 1348552 | 100cm | 0.917 |
| A2P3-P2-11-1A-G | 476284.9 | 1347956.6 | 100cm | 0.705 |
| A2P3-P2-12-1A-G | 476327.5 | 1348379.6 | 100cm | 0.837 |
| A2P3-P2-13-1A-G | 476255 | 1348720.9 | 100cm | 0.835 |
| A2P3-P2-14-1A-G | 476505.9 | 1349314.2 | 100cm | 0.827 |
| A2P3-P2-15-1A-G | 476765.5 | 1349895.8 | 100cm | 0.717 |

# APPENDIX E
## PHASE 2 HPGe RADIUM-226 RESULTS

| LOCATION | NORTHING | EASTING | DETECTOR HEIGHT | RADIUM-226 (pCi/g) |
|---|---|---|---|---|
| A2P3-P2-2-1A-G | 478061.4 | 1349712 | 100cm | 1.17 |
| A2P3-P2-2S-1A-G | 477420.5 | 1349575.7 | 100cm | 1.35 |
| A2P3-P2-3-1A-G | 477315.3 | 1349342.4 | 100cm | 1.01 |
| A2P3-P2-3S-1A-G | 476707.9 | 1349407.5 | 100cm | 0.97 |
| A2P3-P2-4-1A-G | 477371.1 | 1349551.7 | 100cm | 1.16 |
| A2P3-P2-5-1A-G | 477691.5 | 1350127.7 | 100cm | 0.92 |
| A2P3-P2-6-1A-G | 477064 | 1349003.8 | 100cm | 0.99 |
| A2P3-P2-7-1A-G | 477120.1 | 1349438.3 | 100cm | 1.28 |
| A2P3-P2-8-1A-G | 477099.9 | 1349703.3 | 100cm | 1.26 |
| A2P3-P2-9-1A-G | 476500.1 | 1348548.2 | 100cm | 0.9 |
| A2P3-P2-10-1A-G | 476837.8 | 1348552 | 100cm | 1.25 |
| A2P3-P2-11-1A-G | 476284.9 | 1347956.6 | 100cm | 1.07 |
| A2P3-P2-12-1A-G | 476327.5 | 1348379.6 | 100cm | 1.16 |
| A2P3-P2-13-1A-G | 476255 | 1348720.9 | 100cm | 1.06 |
| A2P3-P2-14-1A-G | 476505.9 | 1349314.2 | 100cm | 1.12 |
| A2P3-P2-15-1A-G | 476765.5 | 1349895.8 | 100cm | 0.7 |

# APPENDIX F

## A2PIII PART ONE
## SOIL STOCKPILE CUs AND SAMPLE LOCATIONS




LEGEND:

——— A2PIII PART ONE 1S & 1SF BOUNDARY

- - - - - - FENCE AROUND STOCKPILE

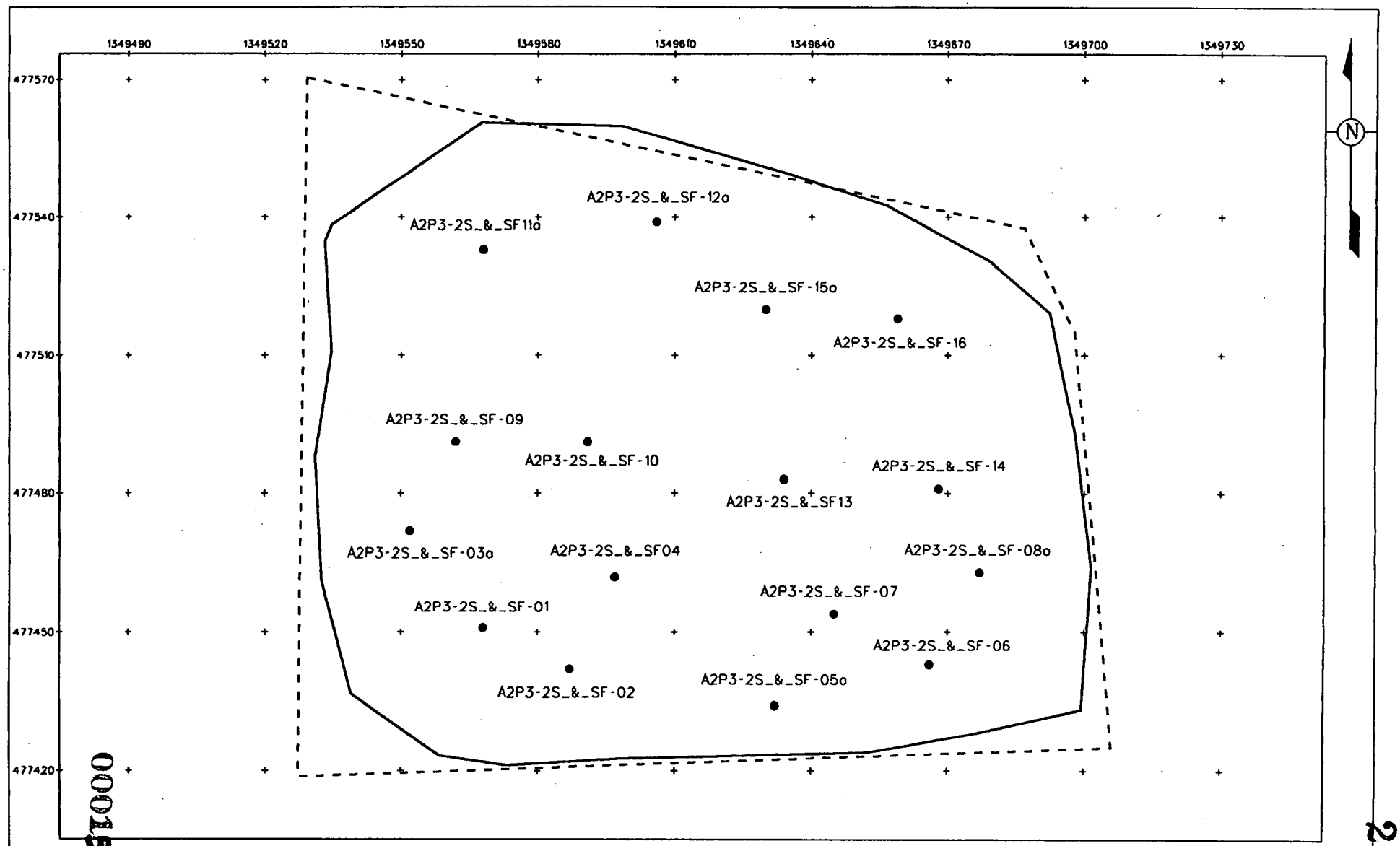
● CU SAMPLE LOCATION

SCALE

30 15 0 30 FEET



APPENDIX F. A2PIII PART ONE 1S AND 1SF CU SAMPLE LOCATIONS




LEGEND:

A2PIII PART ONE 2S & 2SF BOUNDARY

FENCE AROUND STOCKPILE

CU SAMPLE LOCATION

SCALE

30 15 0 30 FEET

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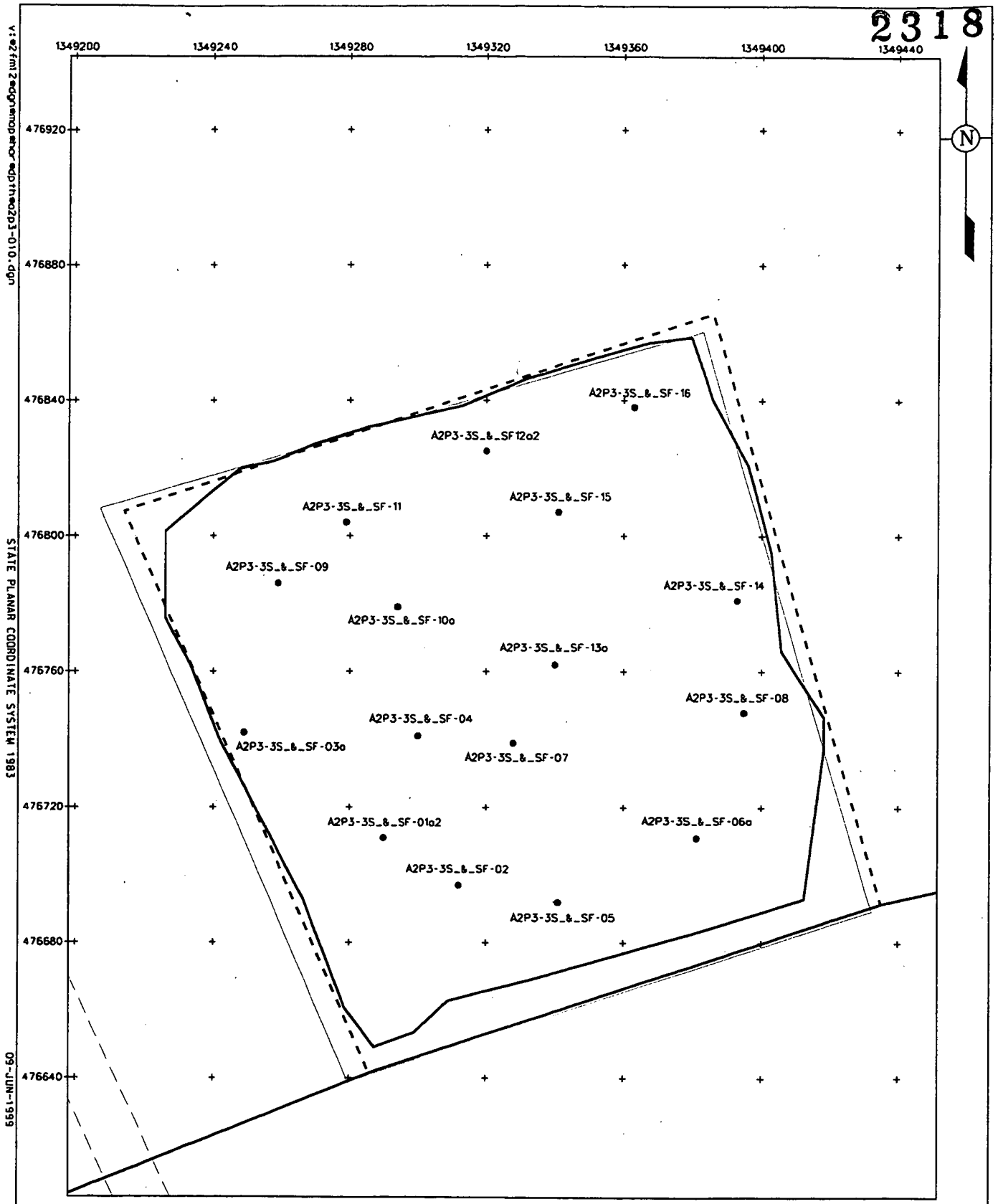
STATE PLANAR COORDINATE SYSTEM 1983

APPENDIX F. A2PIII PART ONE 2S AND 2SF CU SAMPLE LOCATIONS

000157

2318




LEGEND:

——— A2PIII PART ONE 3S & 3SF BOUNDARY

- - - - - - FENCE AROUND STOCKPILE

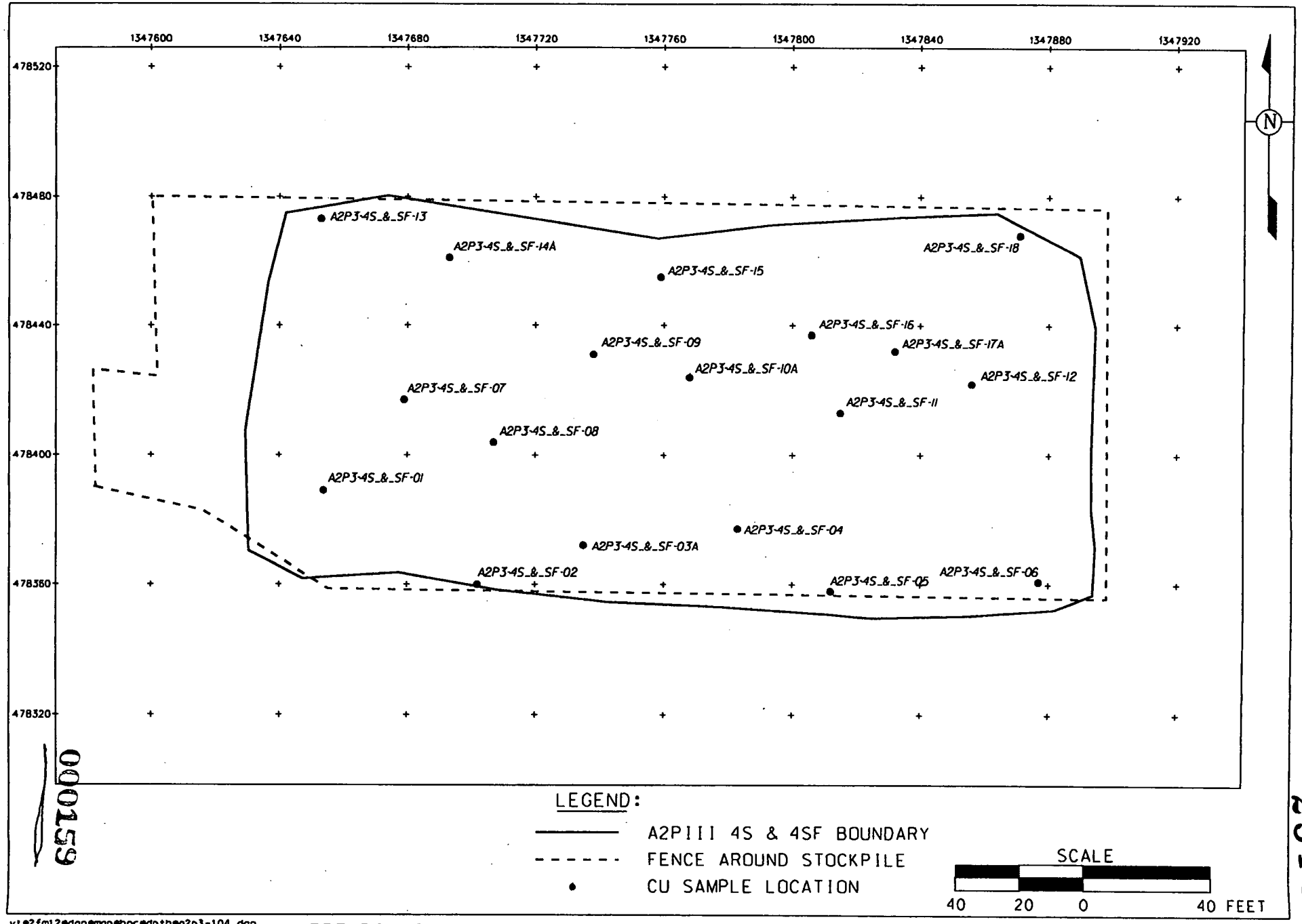
• CU SAMPLE LOCATION

SCALE

40 20 0 30 FEET



APPENDIX F. A2PIII PART ONE 3S AND 3SF CU SAMPLE LOCATIONS




000159

2318

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STATE PLANAR COORDINATE SYSTEM 1983

APPENDIX F. A2PIII PART ONE 4S AND 4SF CU SAMPLE LOCATIONS