Appendix K

Draft Excavation and Offsite Disposal Volume Estimate for Boeing Areas I, III, and Southern Buffer

ESA

California Department of Toxic Substances Control

Draft
Excavation and Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone

EXECUTIVE SUMMARY

This Excavation and Soil Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone (SBZ) Report (or Soil Volume Report), has been prepared to support analysis of, and decision-making related to, remediation of contaminated soils at the Santa Susana Field Laboratory (SSFL). Specifically, this Soil Volume Report supports the development of the Project Management Plan for cleanup activities on SSFL properties that Boeing is responsible for cleaning up pursuant to the 2007 Consent Order, and associated analyses pursuant the California Environmental Quality Act (CEQA). Excavation and offsite disposal volumes are critical in determining the project's impacts. Therefore, the Department of Toxic Substances Control (DTSC) independently evaluated these volumes to verify excavation and offsite disposal volumes submitted by The Boeing Company (Boeing) for Areas I, III, and the Southern Buffer Zone (SBZ) for the Draft PEIR.

Excavation volumes were developed using the following chemical comparison criteria for three residential scenarios. The standard residential scenario assumes a person lives on the property for 26 years (six years as a child and 20 years as an adult). The exposure scenario further assumes the individual spends essentially all of their time at the property – that is, stays on the property 24 hours per day 350 days out of the year, only leaving the property for slightly more than one day each month.

Scenario 1: Resident without Garden

- Assumes the resident consumes no homegrown produce, but incidental soil ingestion is included in the risk scenario. The scenario applied the more protective chemical-specific value of:
    - Resident (no garden) risk assessment, or
    - Ecological toxicity reference value (TRV) risk-based screening level (RBSL if it is lower).
- If background (defined in Section 2), is higher than the residential or ecological criteria[1], background was chosen.

Scenario 2: Resident with Garden, 25% of produce diet is homegrown produce

- Uses the residential exposure described above and includes an assumption that 25% of the residents' produce diet comes from the consumption of homegrown produce grown onsite in contaminated soil. Applied the more protective value of the resident with 25% garden uptake or ecological TRV RBSL.
- If background was higher than the resident with 25% uptake or ecological criteria, background values were applied.

Scenario 3: Residential with Garden, 100% produce diet is homegrown produce

- Uses the residential exposure described above and assumes 100% of residents' produce diet comes from consumption of homegrown produce grown onsite in contaminated soil. Applied the more protective value of the resident with 100% garden uptake or ecological TRV RBSL.

[1] In some instances, for each of the three scenarios, the Boeing method reporting limit (MRL) or the multi-lab method reporting limit (M-L MRL) was used. This was done when the MRL or M-L MRL was greater than the risk based criteria or the UTL95-95.

- If background was higher than the resident with 100% uptake or ecological criteria, background values were applied.

Each of the three scenarios was applied to more than 8,300 soil sample locations with approximately 170,000 lines of analytical data (for approximately 70 chemicals).

Radiological concentrations for 17 radionuclides were compared to the Draft Provisional Lookup Table (LUT) Values and the Combined Strata Upper Tolerance Limit 95-95 (UTL95-95) to evaluate the excavation volumes for radiological parameters. Many of the excavation areas for chemical and radiological parameters overlapped. Therefore, excavation areas and volumes were combined for all chemical and radiological parameters.

Excavation volumes were calculated as a range based on two different depths. First, the excavation areas for each of the three scenarios were developed manually (by engineers and geologists) on a point by point basis. A GIS program then divided the excavation areas into smaller area weighted polygons based on where the borings/data were located (Thiessen polygons). The two excavation depths for each of the Thiessen polygons were calculated using a depth script which determined the deepest sample exceeding the comparison criteria for the applicable scenario and added 1 foot and 1.5 feet to the depth. The volumes for each polygon, site, and scenario were calculated using the area and depths.

The volume estimates included in this report are preliminary and intended for use in developing the Draft PEIR only. This volume estimate relied on a point by point evaluation. However, human health and ecological risk assessments will be completed for each Boeing site. DTSC will determine the final cleanup goals for the Boeing areas based on evaluation of the Corrective Measures Study (CMS) and analysis of potential impacts. The CMS will be available for public review and comment. DTSC will document its decision regarding the Boeing remedial goals and remedies in the Statement of Basis.

Below is a summary of estimated excavation areas and offsite disposal volumes for the three scenarios and two excavation depths.

Summary of DTSC Estimated Excavation and Offsite Disposal Volumes For The Boeing Company's Santa Susana Field Laboratory Cleanup			
Scenario	**Estimated Excavation Area[1,2] (acres)**	**Estimated Offsite Disposal Volume[3,4] (Plus 1 foot) (cubic yards)**	**Estimated Offsite Disposal Volume[4,5] (Plus 1.5 feet) (cubic yards)**
Scenario 1 – Resident Without Garden	46.0	251,000	281,000
Scenario 2 –Resident with Garden, 25% of produce diet is homegrown produce	64.5	344,000	389,000
Scenario 3 –Residential with Garden, 100% of produce diet is homegrown produce	69.4	389,000	439,000

Notes:

1. An area of 8.5 acres was added to the excavation areas, and a volume of 14,000 cubic yards was added to the overall excavation volumes to address potential cleanup of the Former Shooting Range. This is based on 50% of the area located within the Former Shooting Range Zones 2 and 3 requiring removal of the upper 1 foot of soil. Investigation work is on-going. Remediation areas will be determined based on the results of the investigation.
2. Biological and cultural exemption areas were not considered in this evaluation. Additionally, the presence of threatened, endangered, and sensitive species were not considered in this evaluation.
3. Excavation depth was determined utilizing the deepest sample exceeding the comparison criteria and adding 1 foot to the depth.
4. Volumes are rounded to the nearest 1,000 CY.
5. Excavation depth was determined utilizing the deepest sample exceeding the comparison criteria and adding 1.5 feet to the depth.

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List of Acronyms

bgs	Below Ground Surface
Boeing	The Boeing Company
BTV	Background Threshold Value
CEQA	California Environmental Quality Act
CF	Contaminated Fraction
CMS	Corrective Measures Study
COC	Chemical of Concern
COPC	Chemical of Potential Concern
CTL-III	Component Test Laboratory III
CTL-V	Component Test Laboratory V
DTSC	Department of Toxic Substances Control
ECL	Engineering Chemistry Laboratory
EEL	Environmental Effects Laboratory
GIS	Geographical Information System
High TRV	Ecological High Toxicity Reference Value
IEL	Instrument and Equipment Laboratory
LETF/CTL-I	Laser Engineering Test Facility/ Component Test Laboratory I
LUT	Look-up tables
MDC	Minimum Detectable Concentration
M-L MRL	Multi-Lab Method Reporting Limit
MRL	Method Reporting Limit
PAH	Polycyclic aromatic hydrocarbons
pCi/g	Picocuries per gram
PEIR	Programmatic Environmental Impact Report
RBSL	Risk Based Screening Level
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
ROPC	Radionuclide of Potential Concern
SBZ	Southern Buffer Zone
SRAM	Standardized Risk Assessment Methodology
SSFL	Santa Susana Field Laboratory
STL-IV	Systems Test Laboratory IV
STP-3	Area III Sewage Treatment Plant
UTL95-95	Combined Strata Upper Tolerance Limit 95-95
USEPA	United States Environmental Protection Agency

1 INTRODUCTION

The selection and approval of final remedial and corrective actions to cleanup the contaminated soil, surface water, near surface groundwater, air, and biota at Santa Susana Field Laboratory (SSFL) is a discretionary action that will be made by the Department of Toxic Substances Control (DTSC). Activities associated with the cleanup may result in direct or indirect effects on the physical environment. Therefore, this project is subject to environmental analysis under the California Environmental Quality Act (CEQA). A Program Environmental Impact Report (PEIR) is being prepared to assess the potential environmental impacts related to approval and implementation of the SSFL cleanup. The PEIR is intended to inform regulatory agency decision makers and the public of the environmental effects of the project and the potential measures to mitigate, reduce, or avoid significant impacts.

Excavation and offsite disposal volumes are an important and integral part of the evaluation in the Draft PEIR. Because soil excavation volumes are critical in determining the project's impacts, DTSC is independently evaluating excavation and offsite disposal volumes submitted by The Boeing Company (Boeing) for the Draft PEIR, and additional soil volumes to fully characterize cleanup scenarios and impacts.

The volumes estimated do not include the remediation areas identified for onsite treatment (e.g., soil vapor extraction, and in-situ and ex-situ biological treatment) in Areas I, III, and the Southern Buffer Zone (SBZ). These areas will be remediated, but because the remediation will be carried out onsite, the remediation will not contribute to the impacts associated with excavation and offsite disposal. Therefore, DTSC focused its efforts on independently evaluating the excavation and offsite disposal volumes. The Boeing subareas and sites located within Areas I, III, and the SBZ that were evaluated as part of this exercise are presented in Table 1 and shown in Figure 1.

2 PROCESS USED TO DEVELOP EXCAVATION AND OFFSITE DISPOSAL VOLUME ESTIMATES

Calculations to estimate volumes of soil to be excavated were based on a detailed analysis of the extent of contamination as compared to risk-based cleanup goals, based on screening levels, for each contaminant. Volumes were calculated for three different risk-based cleanup scenarios. Volumes for each radiological constituent were estimated using the Draft Provisional Lookup Table Values and Combined Strata Upper Tolerance Limit 95-95 (UTL95-95). The processes used to calculate estimated soil volumes are described below.

2.1 CHEMICAL PARAMETERS

DTSC followed a multistep process to calculate soil volumes that would need to be excavated in order to meet each of three risk-based cleanup scenarios. These scenarios reflect potential exposures that correspond to reasonably anticipated future land uses at the site. The process compared the three cleanup goals for each chemical of potential concern at each location and depth where soil samples were taken. The comparisons were then mapped and volumes of soil exceeding the cleanup goals were calculated, including certain additional considerations. Finally, DTSC identified soil volumes that needed to be excluded and documented the basis for those exclusions. The specific steps in this process are summarized below.

- Developed a list of chemicals of potential concern (COPC) that would be evaluated at all sites.
- Developed and/or revised preliminary risk based screening levels (RBSLs) for each COPC for each of three human health exposure scenarios. All human health exposure scenarios are based on a time-in-residence of six years as a child and 20 years as an adult, and assume that the resident spends 350 days per year on the site. The three human health exposure scenarios that were evaluated include:
    - Scenario 1: Suburban Residential with no consumption of produce grown onsite (i.e., Residential without Garden), but incidental soil ingestion is included in the risk scenario.
    - Scenario 2: Suburban Residential with 25% of the residents' produce diet coming from the consumption of homegrown produce and assumed to be grown onsite and in contaminated soil (i.e., Residential with Garden – 25% uptake).
    - Scenario 3: Suburban Residential with 100% of the residents' produce diet coming from the consumption of homegrown produce and assumed to be grown onsite and in contaminated soil (i.e., Residential with Garden – 100% uptake).
- Developed criteria for comparing levels of COPCs measured in soil to risk-based cleanup goals, as follows:
    - Scenario 1: Residential without Garden. Whichever of the following is greater:
        - Suburban Residential RBSL (as developed, see above) and the ecological high toxicity reference value (high TRV) RBSL (if its lower than the Suburban Residential RBSL)
        - Combined Strata Upper Tolerance Limit 95-95 background threshold value (UTL 95-95)
    - Scenario 2: Residential with Garden – 25% uptake. Whichever of the following is greater:
        - Suburban Residential RBSL (as developed, see above) and the ecological high TRV RBSL (if it is lower than the Suburban Residential RBSL)
        - UTL 95-95

    - Scenario 3: Residential with Garden – 100% uptake. Whichever of the following is greater:
        - Suburban Residential RBSL (as developed, see above) and the ecological high TRV RBSL (if it is lower than the Suburban Residential RBSL)
        - UTL 95-95
- Developed, reviewed and verified approximately 1,260 individual Geographical Information System (GIS) queries, including:
    - Individual queries for each scenario and chemical
    - Sampling results for over 8,300 individual soil borings
    - Over 170,000 lines of analytical data

  The soil volumes do not include non-detect data where the limit of detection is greater than the screening criteria. These instances will be evaluated as part of the characterization completeness review for the reports required for facility closure under the Resource Conservation and Recovery Act (RCRA). These reports make up the Facility Investigation Report on what is termed the Surficial Media Operable Unit (which includes contamination of soil, sediment and weathered bedrock, as well as surface water, near-surface groundwater, air and biota – in other words, all media except vadose zone bedrock, saturated bedrock, and deep groundwater).

- Updated the GIS files to incorporate the most recent sampling data.
- Manually developed GIS-based polygons representing the extent of excavation for each of the three scenarios based on boring data.
- Evaluated additional elements, such as areas where soil gas is only found in the upper 7 feet below the surface, leach fields, the Area I Landfill, and other considerations identified in Section 4 of this report.
- Identified samples to be excluded from removal and offsite disposal and documented the basis for those exclusions. Typically, the exclusions involved a single analyte that exceeded the screening criteria by 2 to 3 times and were generally isolated.
- Calculated the area to be excavated (excavation area) by dividing the manually developed polygons into smaller, area-weighted polygons using a mathematical tool based on Thiessen polygons. Thiessen polygons are polygons whose boundaries define the area that is closest to each point relative to all other points. The Thiessen polygons were created based on where the soil boings were located, with each Thiessen polygon containing one boring location. This calculation was performed for each polygon, site and scenario.

Calculated the excavation depth for each of the Thiessen polygons using an algorithm called a depth script which determined the depth of the deepest sample that exceeded the comparison criteria, and then added additional depth of 1 foot and 1.5 feet. Adding depths of 1 foot and 1.5 feet to the deepest level where an exceedance was measured gives a reasonable estimate[2] of the depth of contamination. For boings where the vertical extent of the exceedance is defined by bedrock, the depths are added to the point of boring refusal. For borings where the deepest exceedance is followed by a deeper sample that does not show an exceedance, the extent of contamination is between the two samples. This calculation was also performed for each polygon, site and scenario.

[2] This estimate is only for the purpose of performing this analysis. During the actual cleanup, the extent of contamination will be determined through sampling.

The following criteria were developed solely for the purposes of estimating preliminary soil excavation volumes and are not intended for any other purpose. Boeing cleanup goals will be developed following completion of the site-specific risk assessment and documented in site specific cleanup decision documents. Proposed Boeing cleanup goals will be subject to public review and comment.

Under DTSC's direction, more than 200 chemical parameters have been analyzed in soil by Boeing. DTSC's analysis of soil volumes focused on a subset of these chemicals, considering the 71 potential COPCs that were identified using the following criteria:

- Chemicals were included if they were identified as contaminants in earlier studies[3]
- Chemicals were included where the potential human health cancer risks were estimated to exceed 2×10^{-7} or non-cancer risks were estimated to exceed a hazard quotient of 0.05 in earlier studies.[4]
- Chemicals were included if they were identified as Chemicals of Potential Ecological Concern with a hazard index greater than 1, based on the High Eco TRV-based RBSL as assessed in earlier studies[5].

These COPCs were chosen because, based on sampling data and prior analysis, their distribution reasonably encompasses areas with chemical contamination. The revised human health RBSLs for each COPC was calculated using the parameters included in the Standardized Risk Assessment Methodology (SRAM) Revision 2 Addendum (MWH, 2014), with the exception of parameters identified in Table 2. A list of the 71 potential COPCs evaluated in this study, including the comparison criteria for each COPC, is provided in Table 3.

It is important to keep in mind that the final list of chemicals of concern (COCs) for remediation has not yet been determined because the RFI Reports, human and ecological risk assessments, and the Corrective Measures Study (CMS) have not yet been completed. After those analyses have been completed and the final list of COCs for the project is established, confirmation sampling will ensure that soil remediation goals are achieved.

2.2 RADIOLOGICAL PARAMETERS

Evaluation of the excavation and offsite disposal volumes for radiological parameters involved comparing radiological concentrations against the Draft Provisional Lookup Table (LUT) (DTSC, 2013) as well as the UTL95-95 (USEPA, 2011; Boeing, 2015). The LUT and UTL95-95 for radiological parameters are presented in Table 4. Excavation areas were based on the UTL95-95 as it was slightly more conservative (lower).

[3] The studies referenced include: (1) the 5/9 South Draft RFI Reports dated June 2015 (CH2M Hill, 2015); (2) the 1A Central Draft RFI Reports dated July 2015 (MWH, 2015); and (3) the Draft RFI Reports (2008-2009).
[4] The studies from which human health risks were referenced include: the 5/9 South Draft RFI Reports dated June 2015 (CH2M Hill, 2015); and the 1A Central Draft RFI Reports dated July 2015 (MWH, 2015).
[5] ibid

3 ASSUMPTIONS USED IN DEVELOPING EXCAVATION VOLUME ESTIMATES

The following assumptions were used to develop the excavation and offsite disposal volume estimates.

- A GIS program divided larger manually developed polygons (by engineers and geologists) into smaller areas (Thiessen polygons). Each Thiessen polygon contains one boring location. Thiessen polygons were developed by taking the mid-point between each boring and utilizing this as the boundary for the Thiessen polygons. This allowed for calculation of an area weighted excavation depth.
- Unless otherwise noted, the depths of the excavation were estimated by taking the deepest sample at a location with an exceedance of the screening criteria and adding 1 foot and 1.5 feet.
- Non-detected values with concentrations above the screening levels were excluded from this evaluation. However, these will be considered further in risk assessment and the CMS to ensure remediation areas are not inadvertently excluded due to detection limit considerations.
- UTL95-95 concentrations were used as the background concentrations. Background concentrations were used when RBSLs were lower than background concentrations.
- Boeing MRLs or the M-L MRLs) were utilized where background concentrations were not available and the RBSLs were lower than the Boeing MRL or M-L MRL.
- Radiological parameters with LUT values were assessed as part of this evaluation. These parameters were evaluated on a dual basis to consider areas with concentrations exceeding the LUT values as well as the UTL95-95. The LUT values are generally higher than the UTL95-95.
- Excavation Areas are only included for soil vapor where soil vapor is present at depths generally equal to or shallower than 7 feet bgs. It is assumed that soil vapor extraction will be used to address areas with vapor impacts that extend deeper than 7 feet bgs.
- Leachfields were evaluated and, if necessary, included in the volume estimate as appropriate. It was assumed that leachfields would be excavated to a depth of 10 and 10.5 feet bgs based on the typical depths of leachfield components observed onsite.

4 SUMMARY OF EXCAVATION VOLUME ESTIMATES

A summary of estimated excavation areas and volumes is presented by site and subarea in Table 5. Additionally, Table 5 presents the COPCs and radionuclides of potential concern (ROPCs) for each site. This summary presents volume estimates for both chemical and radiological parameters. A description of how the volume estimates were evaluated is presented in Section 4.1 chemical parameters and Section 4.2 for radiological parameters.

4.1 CHEMICAL PARAMETERS

In the Areas I, III, and the SBZ soil chemical evaluation, the Boeing data included in the latest Quarterly Data Update were evaluated against comparison criteria presented in Table 3 for each of the three scenarios. The estimated extent of excavation polygons were manually drawn in GIS for each of the three scenarios by reviewing data located at each boring and evaluating the presence of bedrock, the location of drainages, former structures, roads, buildings, and historical features. Excavation depths were accessed to determine volumes based on adding 1 foot or 1.5 feet below the deepest sample exceeding the comparison criteria for each scenario. This was done irrespective of whether bedrock was identified based on review of boring logs or the Boring Trench Depth Information layer included GIS. The depths of 1 foot and 1.5 feet below the deepest sample exceeding the comparison criteria were selected as an estimated range of where the contamination ends. For borings with the vertical extent of exceedance defined by bedrock, it is further than boring refusal. For borings with the vertical extent of exceedance defined by a deeper sample, it is between the exceedance and the non-exceedance.

In some instances, exceedances of criteria occurred but were not included in a polygon. In several instances additional considerations were made in developing polygons or evaluating excavation depths. The rationale for each exclusion is documented in Appendices A, B, and C. The following additional considerations were included in each of the three scenarios:

- The Area I Landfill was identified for complete removal. It is assumed the landfill would require excavation to an average depth of between 10 to 10.5 feet bgs. The excavation area is based on the location of the landfill.
- A leach field was identified at B359 and is anticipated to undergo complete removal. An excavation depth of 10 to 10.5 feet bgs was utilized in developing the excavation volume. The excavation area is based on the location of the leach field.
- A leach field was identified at Bowl and is anticipated to undergo complete removal. An excavation depth of 10 to 10.5 feet bgs was utilized in developing the excavation volume. The excavation area is based on the location of the leach field.
- The Former Shooting Range is undergoing investigation but is anticipated to require some remediation which will likely involve excavation and offsite disposal. DTSC does not have the results of the incremental sampling investigation as of the date of this report, however, it was assumed that approximately 50% of Zones 1, 2, and 3 located within the Former Shooting Range would require excavation to 1 foot bgs. Zones 1, 2, and 3 are shown as the Potential Visible Lead Shot Removal Area on Figure 2. This resulted in 14,000 cubic yards of material being added to each scenario.
- The Boeing permitted units including the Thermal Treatment Facility and the Area I and III Surface Impoundments (Engineering Chemistry Laboratory, Advanced Propulsion Test Facility-1, Advanced Propulsion Test Facility-2, System Test Laboratory-IV-1, and System Test Laboratory-IV-2) were identified as chemical use areas and went through the Data Quality

Objective process for characterization. These data were included in the volume evaluation and therefore, these sites were assessed as part of this evaluation.

4.1.1 SCENARIO 1 RESIDENT WITHOUT GARDEN

Scenario 1 excavation volumes would result in a cleanup level anticipated to be protective of a residential receptor (not consuming significant quantities of homegrown produce) and ecological receptors. It is estimated that approximately 46 acres of land would require excavation under this scenario and would result in excavation and offsite disposal of approximately 251,000 to 281,000 cubic yards of material. It is anticipated that soils at approximately 433 boring locations (26 percent) that have at least one parameter exceeding the Scenario 1 comparison criteria would be left in place to more closely simulate risk assessment. These are listed as exception locations. A summary of the Scenario 1 excavation areas, volumes, COPCs/ROPCs, and number of exception locations is presented in Table 5. The Scenario 1 excavation areas are presented in Figures 2, 3, 4, and 5. A summary of the individual Scenario 1 polygon areas and volumes is presented in Appendix A, along with a detailed list of exception locations and rationale for why each boring was excluded from the Scenario 1 excavation areas. Exception areas for Scenario 1 typically consist of borings with one to three parameters that exceed the comparison criteria. Typically, these exceedances are less than 2 to 3 times the comparison criteria and are isolated. Several borings in the SBZ have concentrations that exceeded the comparison criteria by to 2 to 13 times but were not included in the estimated excavation areas. This includes 14 borings for molybdenum, four borings for antimony, one boring for cadmium, and two borings for thallium. These exceedances are not in or contiguous to known operational areas, and it is anticipated that these parameters may be naturally occurring. However, further evaluation of these exceedances will be conducted.

4.1.2 SCENARIO 2 RESIDENT WITH GARDEN (25% PRODUCE DIET IS HOMEGROWN PRODUCE)

The Scenario 2 excavation volumes would result in a cleanup level anticipated to be protective of a residential receptor (who consumes 25% of their produce from that grown onsite and contaminated) and ecological receptors. It is estimated that approximately 65 acres of land will require excavation under this scenario and would result in excavation and offsite disposal of approximately 344,000 to 389,000 cubic yards of material. It is anticipated that soils at approximately 390 boring locations (16 percent) that have at least one parameter exceeding the Scenario 2 comparison criteria would be left in place to more closely simulate risk assessment. A summary of the Scenario 2 excavation areas, volumes, COPCs/ROPCs, and number of exception locations is presented in Table 5. The Scenario 2 excavation areas are presented in Figures 2, 3, 4, and 5. A summary of the individual Scenario 2 polygon areas and volumes is presented in Appendix B, along with a detailed list of exception locations and rationale for why each boring was excluded from the Scenario 2 excavation areas. Exception areas for Scenario 2 typically consist of borings with one to three parameters that exceed the comparison criteria. Typically, these exceedances are less than 2 to 3 times the comparison criteria and are isolated. Exceptions to this include the following number locations identified within the SBZ where concentrations exceeded more than two times the comparison criteria: 14 borings for molybdenum, four borings for antimony, three borings for cadmium, two borings for thallium, and one boring for benzo(a)pyrene. These parameters exceeded the criteria by 2 to 13 times. Except for benzo(a)pyrene, it is anticipated that these parameters may be naturally occurring but further evaluation of this is necessary.

4.1.3 SCENARIO 3 RESIDENT WITH GARDEN (100% PRODUCE DIET IS HOMEGROWN PRODUCE)

The Scenario 3 excavation volumes would result in a cleanup level anticipated to be protective of a residential receptor (who consumes 100% of their produce from that grown onsite and contaminated) and ecological receptors. It is estimated that approximately 69 acres of land will require excavation under this scenario and would result in excavation and offsite disposal of approximately 389,000 to 439,000 cubic yards of material. It is anticipated that soils at approximately 413 boring locations (14 percent) that have at least one parameter exceeding the Scenario 3 comparison criteria would be left in place. A summary of the Scenario 3 excavation areas, volumes, COPCs/ROPCs, and number of exception locations is presented in Table 5. The Scenario 3 excavation areas are presented in Figures 2, 3, 4, and 5. A summary of the individual Scenario 3 polygon areas and volumes is presented in Appendix C, along with a detailed list of exception locations and rationale for why each boring was excluded from the Scenario 3 excavation areas. It is noted that exception areas for Scenario 3 typically consist of borings with one to three parameters that exceed the comparison criteria. Typically, these exceedances are less than 2 to 3 times the comparison criteria and are isolated. Exceptions to this include the following number locations identified within the SBZ where concentrations exceeded more than two times the comparison criteria: 14 borings for molybdenum, four boring for antimony, three borings for cadmium, two borings for thallium, and one boring for benzo(a)pyrene. These parameters exceeded the criteria by 2 to 23 times. Except for benzo(a)pyrene, it is anticipated that these parameters may be naturally occurring but further evaluation of this is necessary.

4.1.4 SUMMARY

The Scenario 1 excavation areas and volumes are less than the Scenario 2 areas and volumes. The Scenario 2 excavation volumes are less than the Scenario 3 areas and volumes. Scenario 1 excavation areas and volumes are included in Scenario 2 areas and volumes, and Scenario 2 areas and volumes are included in Scenario 3 areas and volumes. This is anticipated given the criteria for the parameters either remains the same or gets more stringent going from Scenario 1 to 3. The primary parameters that appear to drive remediation for Scenarios 2 and 3 are polycyclic aromatic hydrocarbons (PAHs). In particular, benzo(a)pyrene appears to drive the extent of remediation for many areas in Scenarios 2 and 3. Additionally, many of the non-detect values for benzo(a)pyrene and other PAHs exceed the Scenario 1 and 2 criteria. Many of these data are older data with elevated detection limits. DTSC did not review the non-detect data with detection limits above the screening criteria due to the limited time available for completing the assessment. However, it will be assessed further through review of the RFI Data Summary and Findings Reports. Additional sampling during remediation may be necessary to confirm the presence or absence of certain parameters should remediation goals be identified that are lower than the characterization levels utilized during the site investigation. Additional sampling may also be conducted to evaluate whether some metals detected in non-operational areas such as the SBZ are naturally occurring.

4.2 RADIOLOGICAL PARAMETERS

DTSC reviewed Boeing's radionuclide soil data from Areas I, III, and the SBZ to identify radionuclides detected at concentrations exceeding the LUT and UTL95-95 values. Both criteria approximate background concentrations. A slightly larger number of radionuclide concentration exceedances occur with UTL95-95 criteria because they are slightly lower than SSFL LUT criteria.

Radionuclides such as Radium-226 that were not included in the LUT were not considered as a part of this evaluation. All radionuclides will be evaluated in the assessment of characterization completeness that is part of the RFI review. The following sites were sampled for radionuclides: Silvernale Pond, Systems Test Laboratory IV (STL-IV), Area I Burn Pit, B-1, Instrument and Equipment Laboratory (IEL), Environmental Effects Laboratory (EEL), Laser Engineering Test Facility/ Component Test Laboratory I (LETF/CTL-I), Area III Sewage Treatment Plant (STP-3), R-1 Pond (Alfa Spray Field), Perimeter Pond, Building 359, Engineering Chemistry Laboratory (ECL), Component Test Laboratory III (CTL-III), Component Test Laboratory V (CTL-V), Compound A, Subarea 1B Southeast unaffiliated areas, Subarea 1B Southwest unaffiliated areas, and Subarea 1B North unaffiliated areas. Radionuclide concentrations did not exceed either the SSFL LUT or UTL95-95 at the following sites: Perimeter Pond, Building 359, ECL, CTL-III, CTL-V, Compound A, Subarea 1B Southeast unaffiliated areas, Subarea 1B Southwest unaffiliated areas, and Subarea 1B North unaffiliated areas. The sites where radionuclides exceeded either the SSFL LUT or the UTL95-95 are summarized in Table 6 and described below by site. These are preliminary finding and will be evaluated further in the RFI, risk assessment, and CMS reports.

4.2.1 SILVERNALE POND

Stronium-90 was detected at boring location A3_SED_DG-1at a concentration of 0.267 picocuries per gram (pCi/g) which exceeds the LUT value (0.117 pCi/g). Additionally, cesium-137 was detected at boring locations A3_SED_DG-4, A3_SED_DG-5, A3_SED_DG-6, and A3_SED_DG-7 at concentrations ranging from 0.273 to 0.324pCi/g which exceeds the LUT value (0.225 pCi/g) and the USL95-95 (0.157).

Concentrations of Cesium-137 and Strontium-90 are close to LUT values and reflect samples collected as part of the 2011 EPA Area IV Radiological Investigation. The remedial excavation volume calculations include removal of Cesium-137 and Strontium-90 affected sediments in the Silvernale Pond area and are included in remediation areas presented in Table 7 and shown on Figures 2 and 5.

4.2.2 STL-IV SITE

Strontium-90 was detected at STL-IV boring location A3_SED_DG-16 at a concentration of 0.817 pCi/g which exceeds the LUT value (0.117 pCi/g). This sample was collected in 2011 by USEPA during Area IV Radiological Investigation. The 0.817 pCi/g detection is above the sample specific listed minimum detectable concentration (MDC) (0.156 pCi/g) and considered valid. The sample was collected to evaluate sediment runoff from DOE Area IV, and the detection of strontium-90 is expected to be related to DOE Area IV activities.

Cesium-137 was detected at boring location A3_SED_DG-17 (0.163 pCi/g) which exceeds the USL95-95 value (0.157 pCi/g). This sample was collected in 2011 by EPA during Area IV Radiological Investigation. The 0.163 pCi/g value falls is below the LUT value (0.225 pCi/g).

The remedial excavation volume calculations include removal of sediments at both locations and are included in remediation areas presented in Table 7 and shown on Figures 2 through 5.

4.2.3 AREA I BURN PIT SITE

Europium-152 was detected at concentrations ranging from 0.127 to 0.147 pCi/g in samples collected at Area I Burn Pit boring locations TTBS1010, TTBS1016, TTBS1079, and TTBS1123. These samples were collected in 2008 prior to the SSFL Radiological Background Study and the EPA Area IV Radiological Investigation. These sample locations were not sampled during the 2014 resampling effort.

Based on comparison to the LUT radionuclide list, the data set generally defines 3 separate soil areas of elevated Europium-152. The remedial excavation volume calculations include removal of A1 Burn Pit radionuclide affected soil and are included in remediation areas presented in Table 7 and shown on Figures 2 through 5.

4.2.4 B-1 SITE

Cesium-137 was detected at B-1 boring location B1BS0223 (0.229 pCi/g) above the LUT value (0.225 pCi/g). This sample was collected in 2010 prior to the SSFL Radiological Background Study and EPA Area IV Radiological Investigation. The remedial excavation volume calculations include removal of soil at this location. The remediation areas are presented in Table 7 and shown on Figures 2 through 5.

4.2.5 IEL SITE

Cesium-137 was detected at IEL boring location SM-03-015 in a sample collected in 1992 (0.270 pCi/g) which exceeds the LUT value (0.225 pCi/g). Additionally, cesium-137 was detected at boring location ILST1001 in a sample collected in 2010 (0.261 pCi/g) above the LUT value. These samples were collected prior to the SSFL Radiological Background Study and EPA Area IV Radiological Investigation. The remedial excavation volume calculations include removal of soil at these two separate locations. The remediation areas are presented in Table 7 and shown on Figures 2 through 5.

4.2.6 EEL SITE

Strontium-90 was detected at EEL boring location A3_SED_DG-14 (0.275 pCi/g) which exceeds the LUT value (0.117 pCi/g). This sample was collected in 2011 by EPA Area IV Radiological Investigation. The 0.275 pCi/g detection is above the sample specific listed MDC (0.227 pCi/g) and is considered valid. The sample was collected to evaluate sediment runoff from DOE area IV and the detection of Sr-90 is expected to be related to DOE Area IV activities. The remedial excavation volume calculations include removal of soil at this location, and the remediation areas are presented in Table 7 and shown on Figures 2 through 5.

4.2.7 LETF/CTL-I SITE

One of the 3 samples collected from LETF/CTL-I boring location LFBS0200 minimally exceeded tritium UTL 95-95 (4.892 pCi/g) with a value of 4.95 pCi/g. There is no SSFL LUT value for tritium in soil. Tritium was detected in 3 samples from a single boring installed in 2008 at depths ranging from 4.5 to 13 feet. Boeing conducted additional radiological soil sampling in 2014 to further evaluate 2008 tritium detections. The 2014 soil sampling and analysis did not detect any tritium in 19 LETF/CTL-I soil samples. The 2014 data suggests that the 2008 data was anomalous and tritium is not present in LETF/CTL-I. No additional EPA radiologic investigation occurred at LETF/CTL-I. The remedial excavation volume calculations include removal of soil at this location.

Cesium137 was detected at LETF/CTL-I boring location LFST1000 (0.22 pCi/g) which does not exceed the LUT (0.225 pCi/g) but is above the UTL 95-95 (0.157 pCi/g). The data are included in December

2016 Quarterly Data Update. The sample is identified as a composite and may represent a stockpile. Boring location LFST1000 also contained elevated levels of cadmium, mercury and benzo(a)pyrene and was identified as a composite sample in the database. The remedial excavation volume calculations include removal of soil at this location and are included in the remediation areas presented in Table 7.

4.2.8 STP-3 SITE

Europium-152 was detected at STP-3 boring location STBS1016 (0.06 pCi/g) which exceeds the UTL 95-95 (0.0109 pCi/g). The remedial excavation volume calculations include removal of soils at this location and are included in remediation areas presented in Table 7.

4.2.9 R-1 POND/ALFA SPRAY FIELD

Cesium-137 was detected at R-1/Alfa Spray Field boring location UBBS2020 (0.226 pCi/g) slightly above the LUT value (0.225 pCi/g). This sample location is within the R-1 Pond reporting area but was in the vicinity of former Alfa Spray Field. The soil data is organized in the R-1 Pond dataset. The 0.226 pCi/g exceedance is very close to LUT value of 0.225 and reflects sample collected by Boeing in 2014. The remedial excavation volume calculations include removal of soil at this location and are included in remediation areas presented in Table 7.

4.2.10 SUMMARY

Radionuclide concentrations exceeding LUT or UTL95-95 values that may potentially be excavated and disposed of offsite as part of the site remediation are summarized in Table 7. Many of these locations are co-located with chemical contamination that may be excavated and disposed of offsite. It is noted that some of the samples were collected many years ago. Because radionuclides decay over time, these locations may be assessed further during remediation to determine if exceedances of the LUT or UTL95-95 persist at the site. This information may be used to guide real-time remedial decisions at the site during remediation.

5 LIMITATIONS AND EXCEPTIONS TO VOLUME ESTIMATES

The volume estimates included in this report are intended for use in developing the Draft PEIR only. The estimates are preliminary and are based on screening levels and represent our best approximation at this point in time for the exclusive purpose of preliminary soil calculations. Several of the uncertainties that may affect the calculations are listed below:

- Remediation depths were estimated using a computer model. Actual excavation extents will be based on field confirmation samples conducted during remedial action.
- Non-detected values with concentrations above the screening levels were excluded from this evaluation. These will be considered further in risk assessment.
- Additional sampling during remediation may be necessary to confirm the presence or absence of certain parameters should remediation goals be identified that are lower than the characterization levels utilized during the site investigation.
- Additional evaluation and possible sampling may be required to evaluate whether some metals detected in non-operational areas such as the SBZ are naturally occurring.

In addition, the human health and ecological risk assessments are not complete, and many assumptions and decisions regarding the calculation of risk have not been made. This estimate relied on a point by point evaluation in developing the volume estimate. However, risk assessments will be completed for each site. Risk assessment methodology will be used to determine clean up areas and volumes. Clean up goals will be evaluated in the CMS. DTSC will determine the final cleanup goals based on evaluation of the CMS, and these will be available for public review and comment. DTSC will document the decision regarding the cleanup goals and remedies in the Statement of Basis.

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Figures

Figure 1 - Boeing RFI Subareas

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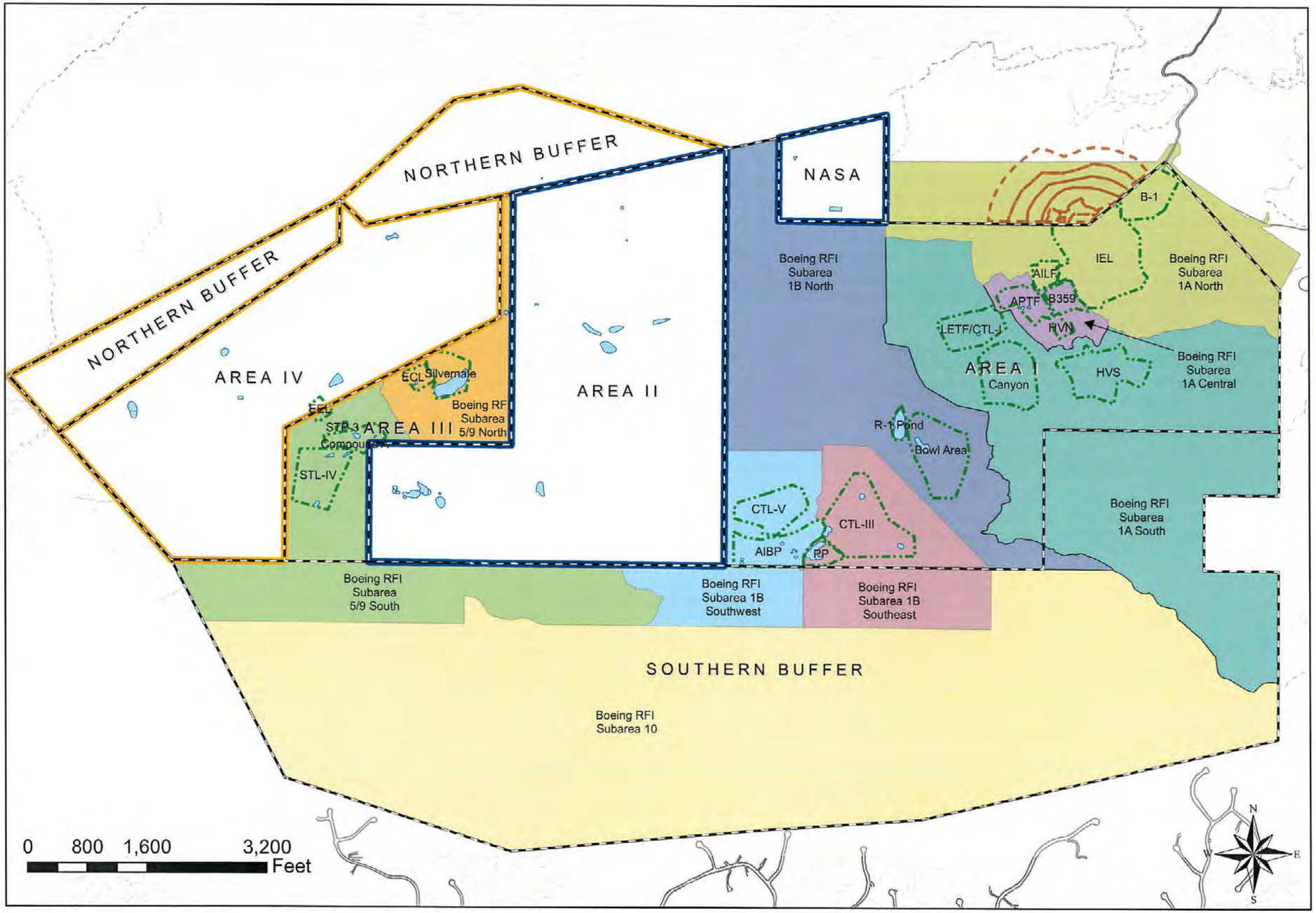

Legend

- DOE AOC Boundary
- NASA AOC Boundary
- Administrative Boundary
- Boeing RFI Site
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Ponds
- Offsite Dirt Road
- Offsite Paved Road

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

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Figure 2 - Estimated Excavation Areas for Boeing Sites: Site Overview

Department of Toxic Substances Control

Legend

- Estimated Excavation Areas for Boeing Sites - Scenario 1
- Estimated Excavation Areas for Boeing Sites - Scenario 2
- Estimated Excavation Areas for Boeing Sites - Scenario 3
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Potential Visible Lead Shot Removal Area
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

Notes:

-Includes potential Boeing excavation areas for off-site removal.
-Does not include the following:
 -Potential soil vapor extraction areas.
 -Potential biotreatment areas.
 -Volumes do not include NASA remediation areas/extended remediation areas or areas associated with NASA responsibility.

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Figure 3 - Estimated Excavation Areas for Boeing Sites: 1A

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Legend

- Estimated Excavation Areas for Boeing Sites - Scenario 1
- Estimated Excavation Areas for Boeing Sites - Scenario 2
- Estimated Excavation Areas for Boeing Sites - Scenario 3
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Potential Visible Lead Shot Removal Area
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

Notes:

-Includes potential Boeing excavation areas for off-site removal.

-Does not include the following:

-Potential soil vapor extraction areas.

-Potential biotreatment areas.

-Volumes do not include NASA remediation areas/extended remediation areas or areas associated with NASA responsibility.

0 280 560 1,120 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
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Figure 4 - Estimated Excavation Areas for Boeing Sites: 1B

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Legend

- Estimated Excavation Areas for Boeing Sites - Scenario 1
- Estimated Excavation Areas for Boeing Sites - Scenario 2
- Estimated Excavation Areas for Boeing Sites - Scenario 3
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Potential Visible Lead Shot Removal Area
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

Notes:

-Includes potential Boeing excavation areas for off-site removal.
-Does not include the following:
  -Potential soil vapor extraction areas.
  -Potential biotreatment areas.
  -Volumes do not include NASA remediation areas/extended remediation areas or areas associated with NASA responsibility.

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Figure 5 - Estimated Excavation Areas for Boeing Sites: 5/9 (Area III)

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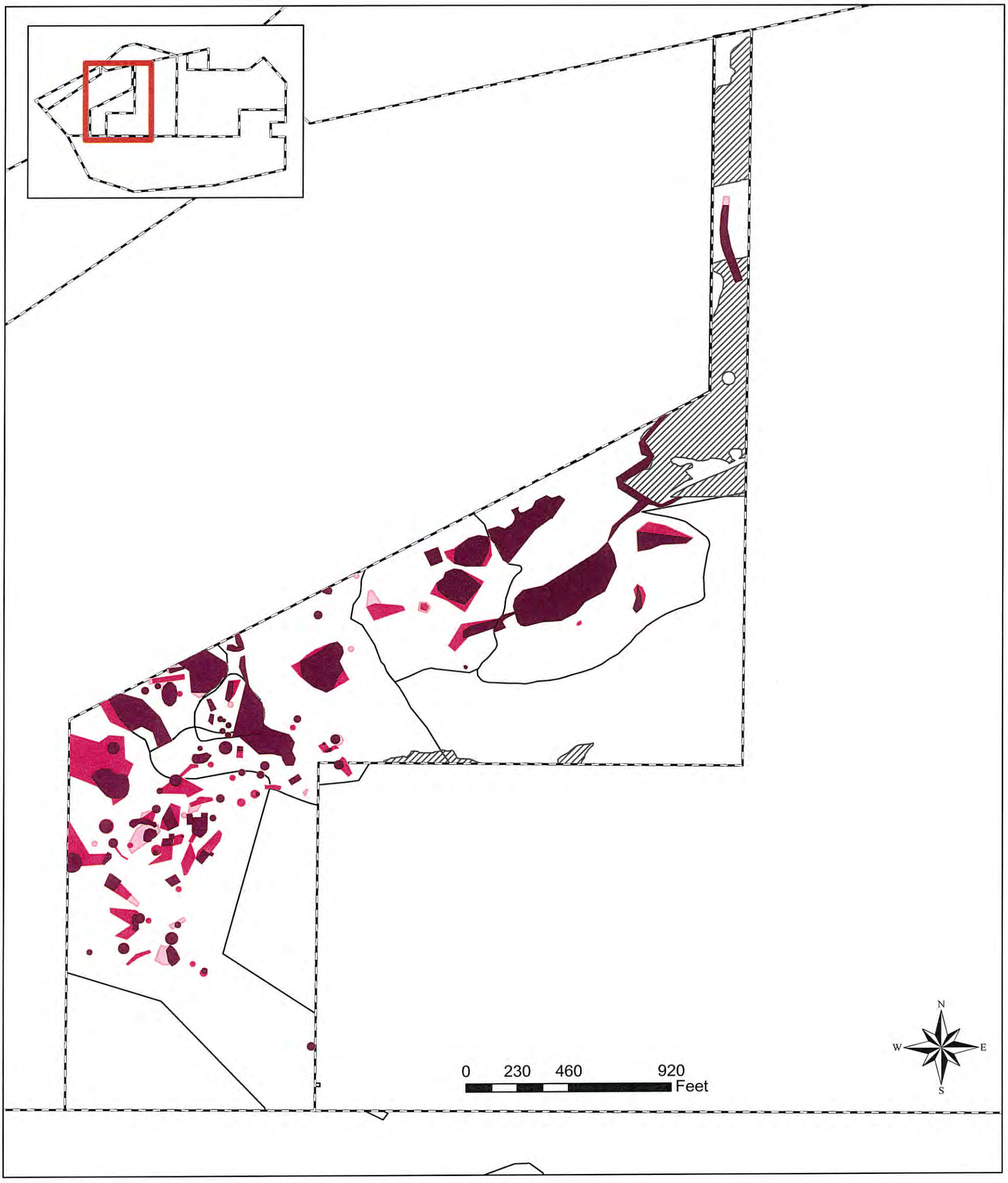

Legend

- Estimated Excavation Areas for Boeing Sites - Scenario 1
- Estimated Excavation Areas for Boeing Sites - Scenario 2
- Estimated Excavation Areas for Boeing Sites - Scenario 3
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Potential Visible Lead Shot Removal Area
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

Notes:

-Includes potential Boeing excavation areas for off-site removal.
-Does not include the following:
 -Potential soil vapor extraction areas.
 -Potential biotreatment areas.
 -Volumes do not include NASA remediation areas/extended remediation areas or areas associated with NASA responsibility.

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Tables

Table 1
Boeing RFI Subareas and Site Designations

RFI Subarea	RFI Site
1A North	B-1
	Area I Landfill
	Instrument and Equipment Laboratory
1A Central	Building 359
	Happy Valley North
	Advanced Propulsion Test Facility Area
1A South	Canyon
	Happy Valley South
	Laser Engineering Test Facility / Component Test Laboratory-I
1B North	Bowl
	R-1 Pond
1B Southwest	Area I Burn Pit
	Component Test Laboratory-V
5/9 North	Engineering Chemistry Laboratory
	Silvernale
5/9 South	Environmental Effects Laboratory
	Systems Test Laboratory -IV
	Area III Sewage Treatment Plant
	Compound A
10	Southern Buffer Zone

Table 2
Summary of Updated Parameters Used to Calculate Human Health Risk Based Screening Levels

Parameter Name	Old Value	New Value	Rationale
Body $Weight_{adult}$ (kg)	70	80	EPA OSWER Directive 9200.1-120
Exposure $Duration_{adult}$ (years)	24	20	
Skin Contact Surface $Area_{adult}$ (cm^2)	5,700	6,032	
Skin Contact Surface $Area_{child}$ (cm^2)	2,800	2,373	
Mass Load Factor	0.26	0.0135	Email from Stuart Walker, dated 9/13/2016
Soil Direct Contact and Home Grown Produce Ingestion Exposure Scenarios	Calculated Separately	Combined	5/9 South RFI Comment Letter, dated August 23, 2016

Notes:

cm^2 = square centimeters
kg = kilogram

Table 3
Summary of Comparison Criteria for Chemical Parameters

Analytical Group	Analyte	CAS Number	Scenario 1		Scenario 2		Scenario 3		95 USL (mg/kg) (for comparison purposes only)
			Concentration (mg/kg)	Basis	Concentration (mg/kg)	Basis	Concentration (mg/kg)	Basis	
Dioxin/Furan	DioxinFuran_TEQ_Mammal	1746016-TEQ_Mammal	0.0000050	Ecological High TRV-Based RBSL	0.0000050	Ecological High TRV-Based RBSL	0.0000050	Ecological High TRV-Based RBSL	Not available
Energetic	1,2-Dinitrobenzene	528290	2.5	Ecological High TRV-Based RBSL	0.0950	Boeing RL	0.0950	Boeing RL	Not available
Energetic	HMX	2691410	630	Ecological High TRV-Based RBSL	3.01	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.754	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
Energetic	Perchlorate	14797730	7.7	Ecological High TRV-Based RBSL	0.1	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.017	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000809
Inorganic	Antimony	7440360	2.0	Ecological High TRV-Based RBSL	2.0	Ecological High TRV-Based RBSL	1.5	Suburban Resident Soil + CHGP (CF=1) RBSL	0.738
Inorganic	Arsenic	7440382	24.2	UTL95-95	24.2	UTL95-95	24.2	UTL95-95	39.7
Inorganic	Barium	7440393	203.8	UTL95-95	203.8	UTL95-95	203.8	UTL95-95	318.75
Inorganic	Cadmium	7440439	0.81	Ecological High TRV-Based RBSL	0.435	UTL95-95	0.435	UTL95-95	0.579
Inorganic	Chromium	7440473	60.11	UTL95-95	60.11	UTL95-95	60.11	UTL95-95	80.85
Inorganic	Cobalt	7440484	26.18	UTL95-95	26.18	UTL95-95	26.18	UTL95-95	38
Inorganic	Copper	7440508	42	UTL95-95	42	UTL95-95	42	UTL95-95	102
Inorganic	Hexavalent Chromium	18540299	1.4	Suburban Resident RBSL	1.13	UTL95-95	1.13	UTL95-95	1.706
Inorganic	Lead	7439921	39	Ecological High TRV-Based RBSL	39	Ecological High TRV-Based RBSL	39	Ecological High TRV-Based RBSL	42.15
Inorganic	Manganese	7439965	920	Ecological High TRV-Based RBSL	723	UTL95-95	723	UTL95-95	959
Inorganic	Mercury	7439976	1.70	Ecological High TRV-Based RBSL	0.353	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.0895	Suburban Resident Soil + CHGP (CF=1) RBSL	0.0411
Inorganic	Molybdenum	7439987	1.642	UTL95-95	1.642	UTL95-95	1.642	UTL95-95	2.744
Inorganic	Nickel	7440020	64.2	UTL95-95	64.2	UTL95-95	64.2	UTL95-95	113
Inorganic	Selenium	7782492	1.50	Ecological High TRV-Based RBSL	1.50	Ecological High TRV-Based RBSL	1.50	Ecological High TRV-Based RBSL	0.896
Inorganic	Silver	7440224	29	Ecological High TRV-Based RBSL	29	Ecological High TRV-Based RBSL	29	Ecological High TRV-Based RBSL	0.138
Inorganic	Thallium	7440280	0.76	Suburban Resident RBSL	0.629	UTL95-95	0.629	UTL95-95	0.991
Inorganic	Vanadium	7440622	111.8	UTL95-95	111.8	UTL95-95	111.8	UTL95-95	150.6
Inorganic	Zinc	7440666	320	Ecological High TRV-Based RBSL	320	Ecological High TRV-Based RBSL	153	UTL95-95	185
PAH	1-Methyl naphthalene	90120	8.3	Suburban Resident RBSL	0.6	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.173	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
PAH	2-Methylnaphthalene	91576	168	Suburban Resident RBSL	22.5	Suburban Resident Soil + CHGP (CF=0.25) RBSL	6.25	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
PAH	Acenaphthene	83329	11	Ecological High TRV-Based RBSL	11	Ecological High TRV-Based RBSL	11	Ecological High TRV-Based RBSL	0.00114
PAH	Anthracene	120127	22	Ecological High TRV-Based RBSL	22	Ecological High TRV-Based RBSL	22	Ecological High TRV-Based RBSL	0.000750
PAH	Benzo(a)anthracene	56553	0.44	Suburban Resident RBSL	0.051	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.014	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00184
PAH	Benzo(a)pyrene	50328	0.044	Suburban Resident RBSL	0.005	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.002	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00230
PAH	Benzo(b)fluoranthene	205992	0.44	Suburban Resident RBSL	0.051	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.014	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00254
PAH	Benzo(ghi)perylene	191242	460	Ecological High TRV-Based RBSL	460	Ecological High TRV-Based RBSL	174	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000867
PAH	Benzo(k)fluoranthene	207089	0.44	Suburban Resident RBSL	0.05	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.02	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00529
PAH	Chrysene	218019	4.4	Suburban Resident RBSL	0.5	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.1	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00224
PAH	Dibenzo(a,h)anthracene	53703	0.13	Suburban Resident RBSL	0.0171	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.0048	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00123
PAH	Fluoranthene	206440	880	Ecological High TRV-Based RBSL	540	Suburban Resident Soil + CHGP (CF=0.25) RBSL	164	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00235
PAH	Indeno(1,2,3-cd)pyrene	193395	0.44	Suburban Resident RBSL	0.058	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.016	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000835
PAH	Naphthalene	91203	16.8	Suburban Resident RBSL	16.8	Suburban Resident Soil + CHGP (CF=0.25) RBSL	16.8	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00239
PAH	Phenanthrene	85018	13	Ecological High TRV-Based RBSL	13	Ecological High TRV-Based RBSL	13	Ecological High TRV-Based RBSL	0.00139
PAH	Pyrene	129000	73	Ecological High TRV-Based RBSL	73	Ecological High TRV-Based RBSL	73	Ecological High TRV-Based RBSL	0.00189
PCB	Aroclor 1242	53469219	0.26	Suburban Resident RBSL	0.034	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.017	M-L MRL	Not available
PCB	Aroclor 1254	11097691	0.26	Suburban Resident RBSL	0.035	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.017	M-L MRL	Not available
PCB	Aroclor 1260	11096825	0.25	Suburban Resident RBSL	0.037	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.017	M-L MRL	Not available
PCB	Aroclor 1262	37324235	0.232	Suburban Resident RBSL	0.232	Suburban Resident RBSL	0.232	Suburban Resident RBSL	Not available
PCB	Aroclor 5460	11126424	0.262	Suburban Resident RBSL	0.05	M-L MRL	0.05	M-L MRL	Not available
PCB	PCB_TEQ_Bird	1746016-PCB TEQ_Bird	0.000057	Ecological High TRV-Based RBSL	0.000057	Ecological High TRV-Based RBSL	0.000057	Ecological High TRV-Based RBSL	Not available
PCB	PCB_TEQ_Mammal	1746016-PCB TEQ_Mammal	0.00005	Boeing MRL	0.00005	Boeing MRL	0.00005	Boeing MRL	Not available
Pesticide	4,4'-DDD	72548	0.85	Ecological High TRV-Based RBSL	0.27	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.07	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000258
Pesticide	4,4'-DDE	72559	0.28	Ecological High TRV-Based RBSL	0.21	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.06	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00385
Pesticide	4,4'-DDT	50293	0.58	Ecological High TRV-Based RBSL	0.21	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.06	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00417
Pesticide	beta-BHC	319857	0.44	Suburban Resident RBSL	0.01	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.003	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000169
Pesticide	Dieldrin	60571	0.041	Suburban Resident RBSL	0.003	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.001	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000166
Pesticide	Heptachlor epoxide	1024573	0.0065	Ecological High TRV-Based RBSL	0.0065	Ecological High TRV-Based RBSL	0.0022	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000156
Pesticide	MCPA	94746	0.76	BTV	0.76	BTV	0.76	BTV	0.572
Pesticide	MCPP	93652	7.4	Ecological High TRV-Based RBSL	2.7	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.71	Suburban Resident Soil + CHGP (CF=1) RBSL	0.284
Pesticide	Mirex	2385855	0.036	Suburban Resident RBSL	0.004	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.0011	Suburban Resident Soil + CHGP (CF=1) RBSL	0.000398

Table 3
Summary of Comparison Criteria for Chemical Parameters

Analytical Group	Analyte	CAS Number	Scenario 1		Scenario 2		Scenario 3		95 USL (mg/kg) (for comparison purposes only)
			Concentration (mg/kg)	Basis	Concentration (mg/kg)	Basis	Concentration (mg/kg)	Basis	
SVOC	bis(2-Ethylhexyl) phthalate	117817	65	Ecological High TRV-Based RBSL	25	Suburban Resident Soil + CHGP (CF=0.25) RBSL	7	Suburban Resident Soil + CHGP (CF=1) RBSL	0.0406
SVOC	Butyl benzyl phthalate	85687	260	Ecological High TRV-Based RBSL	21	Suburban Resident Soil + CHGP (CF=0.25) RBSL	6	Suburban Resident Soil + CHGP (CF=1) RBSL	0.0667
SVOC	Di-n-butyl phthalate	84742	1.1	Ecological High TRV-Based RBSL	1.1	Ecological High TRV-Based RBSL	1.1	Ecological High TRV-Based RBSL	0.00849
SVOC	Di-n-octyl phthalate	117840	130	Ecological High TRV-Based RBSL	130	Ecological High TRV-Based RBSL	62	Suburban Resident Soil + CHGP (CF=1) RBSL	0.00645
SVOC/FORM	Formaldehyde	50000	380	Ecological High TRV-Based RBSL	16	Suburban Resident Soil + CHGP (CF=0.25) RBSL	4	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
SVOC	Hexachlorobutadiene	87683	0.11	Ecological High TRV-Based RBSL	0.11	Ecological High TRV-Based RBSL	0.11	Ecological High TRV-Based RBSL	Not available
SVOC	n-Nitrosodimethylamine	62759	0.036	Suburban Resident RBSL	0.01	M-L MRL	0.01	M-L MRL	Not available
SVOC	n-Nitrosodiphenylamine	86306	28	Ecological High TRV-Based RBSL	0.97	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.25	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
SVOC	Pentachlorophenol	87865	10	Ecological High TRV-Based RBSL	3	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.725	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
VOC	1,1-Dimethylhydrazine	57147	1.7	Ecological High TRV-Based RBSL	0.35	Boeing MRL	0.35	Boeing MRL	Not available
VOC	1,2-Dichlorobenzene	95501	130	Ecological High TRV-Based RBSL	130	Ecological High TRV-Based RBSL	87	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
VOC	1,4-Dichlorobenzene	106467	1.5	Suburban Resident RBSL	0.930	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.427	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
VOC	Benzene	71432	0.133	Suburban Resident RBSL	0.021	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.005	M-L MRL	Not available
VOC	Methylene chloride	75092	3.4	Suburban Resident RBSL	0.056	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.014	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
VOC	Monomethylhydrazine	60344	0.0250	Boeing MRL	0.025	Boeing MRL	0.025	Boeing MRL	Not available
VOC	Tetrachloroethene	127184	0.47	Suburban Resident RBSL	0.0216	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.00560	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available
VOC	Trichloroethene	79016	0.92	Suburban Resident RBSL	0.07	Suburban Resident Soil + CHGP (CF=0.25) RBSL	0.0196	Suburban Resident Soil + CHGP (CF=1) RBSL	Not available

Notes:

mg/kg	milligram/kilogram	MRL	Method reporting limit	TEQ	Toxic equivalent
BTV	Background threshold value	PCB	Polychlorinated Biphenyls	TRV	Toxicity reference value
CF	Contaminated fraction	PAH	Polynuclear aromatic Hydrocarbon	USL	Upper simultaneous limit
CHGP	Consumption of homegrown produce	RBSL	Risk-based screening level	VOC	Volatile organic compound
M-L MRL	Multi-lab method reporting limit	SVOC	Semi-volatile organic compound		

Table 4
Summary of Comparison Criteria for Radiological Parameters

Radionuclide	CAS #	Draft Provisional LUT Values (pCi/g)	UTL 95-95 (pCi/g)
Americium-241	14596102	0.039	0.0142
Cesium-137	10045973	0.225	0.157
Cobalt-60	10198400	0.0363	0.00556
Europium-152	14683239	0.0739	0.0109
Europium-154	15585101	0.198	0.0214
Europium-155	14391163	0.231	1.55
Nickel-59	14336700	0.875	NA2
Plutonium-238	13981163	0.0254	0.00313
Plutonium-239/240	E-13207	0.023	0.00936
Strontium-90	7440246	0.117	0.0512
Thorium-228	14274829	4.27	2.995
Thorium-230	14269637	2.38	1.640
Thorium-232	7440291	3.44	2.359
Tritium	10028178	NA1	4.892
Uranium-233/234	E-13230	2.18	1.545
Uranium-235	15117961	0.152	0.101
Uranium-238	7440611	1.68	1.520

Notes:

"-" - not applicable
pCi/g - picocuries per gram
LUT - Look-up table
UTL - Upper tolerance limit
NA1 - Tritium not included in Draft Proisional LUT Value List
NA2 - Nickel-59 does not have a UTL 95-95 due to non detection in all Boeing area data.

Table 5
Summary of Excavation Areas, Volumes and Exceptions for Scenarios 1, 2, and 3

		Scenario 1					Scenario 2					Scenario 3			
Subarea	**Site**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**COPCs/ROPCs**	**Number of Exception Locations**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**COPCs/ROPCs**	**Number of Exception Locations**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**Number of Exception Locations**
Boeing RFI Subarea 1A North	Area I Landfill	3.3	50,253	52,927	Not applicable, assumes entire landfill is removed.	3	3.5	51,470	54,297	Not applicable, assumes entire landfill is removed.	3	3.5	50,546	53,373	4
	B-1	0.4	2,498	2,853	VOCs (benzene), PAHs (Various), Inorganics (Sb, Ba, Cd, Mo, Pb, Hex Cr, Se), Dioxins/Furans, Radionuclide (Cs-137)	28	0.9	6,898	7,636	VOCs (benzene, PCE), PAHs (Various), Inorganics (Sb, Ba, Cd, Cu, Hg, Mo, Pb, Se, Hex Cr), Dioxins/Furans, PCBs (Aroclor 1254/1260), Radionuclide (Cs-137)	36	1.3	9,819	10,843	49
	Instrument and Equipment Laboratory (IEL)	9.4	55,904	63,507	Inorganics (Sb, As, Ba, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ag, Tl, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), SVOC (bis[2-Ethylhexyl]phthalate, NDMA), VOC (TCE), Dioxin/Furans	58	12.6	71,992	82,175	Inorganics (Sb, As, Ba, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ag, Tl, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), SVOCs (bis[2-Ethylhexyl]phthalate, NDMA), VOCs (Various), Dioxins/Furans	29	13.3	80,376	91,078	30
	Unaffiliated Areas	0.00	0	0	Not applicable.	0	0.00	0	0	Not applicable.	0	0.00	0	0	0
	Total for Subarea 1A North	**13.2**	**108,656**	**119,287**		**89**	**17.0**	**130,360**	**144,108**		**68**	**18.0**	**140,741**	**155,294**	**83**
Boeing RFI Subarea 1A Central	Advanced Propulsion Test Facility (APTF)	0.4	2,020	2,366	Inorganics (As, Cd, Cu, Pb, Hg, Mo, Zn), PCBs (Aroclor 1254/1260), PAH (B(a)p), SVOC (Di-butyl pthalate), Pesticide (Heptaclor epoxide), Dioxins/Furans	6	0.5	2,937	3,347	Inorganics (As, Cd, Cu, Pb, Hg, Mo, Zn), PCBs (Aroclor 1254/1260), PAH (Various), SVOCs (Di-butyl pthalate, Formaldehyde), Pesticide (Heptaclor epoxide), Dioxins/Furans, VOC (TCE)	15	0.6	3,625	4,125	12
	Building 359	0.9	6,086	6,783	Inorganics (Sb, As, Ba, Cd, Cu, Hex Cr, Pb, Hg, Mo, Ag, Tl, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), Dioxins/Furans, Energetics (Perchlorate)	30	2.0	11,179	12,777	Inorganics (Sb, As, Ba, Cd, Cu, Hex Cr, Co, Pb, Hg, Mo, Ag, Tl, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), Dioxins/Furans, Energetics (Perchlorate)	31	2.6	18,261	20,343	15
	Happy Valley North (HVN)	0.6	8,132	8,612	Inorganics (As, Cd, Cu), Dioxins/Furans	17	0.7	9,121	9,677	Inorganics (As, Cd, Cu, Hg, Se, Tl), Dioxins/Furans, VOCs (Various), PCB (Aroclor 1254), PAHs (Various), Energetics (Perchlorate), VOC (various))	13	0.8	9,518	10,131	12
	Unaffiliated Areas	0.0	0	0	Not applicable.	0	0.0	0	0	Not applicable.	0	0.0	0	0	0
	Total for Subarea 1A Central	**1.9**	**16,238**	**17,761**		**53**	**3.2**	**23,238**	**25,802**		**59**	**4.0**	**31,403**	**34,600**	**39**
Boeing RFI Subarea 1A South	Canyon	2.2	9,293	11,069	Inorganics (Sb, As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), Dioxins/Furans	6	3.5	13,422	16,257	Inorganics (Sb, As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Tl, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), Dioxins/Furans, SVOC (Formaldehyde), VOCs (TCE)	7	3.8	14,932	18,037	17
	Happy Valley South (HVS)	0.2	837	1,031	Inorganics (Sb, Cd, Pb, Tl), PAH (Benzo(a)pyrene), SVOCs (Di-n-butyl phthalate), Dioxins/ Furans	38	1.1	3,573	4,482	Inorganics (Sb, Cd, Pb, Tl, Hg, Ag, Zn), PAH (Various), SVOCs (Di-n-butyl phthalate), Dioxins/ Furans, PCBS (Aroclor 1254)	49	1.2	6,398	7,380	62
	Laser Engineering Test Facility/Component Test Laboratory I (LETF)	1.6	6,642	7,905	Inorganics (Sb, As, Cd, Co, Cu, Cr, Pb, Hg, Mo, Ni, Tl, Zn), PCBs (Aroclor 1254), PAHs (Benzo(a)pyrene), Dioxins/Furans, Radionuclide (Tritium)	8	2.5	10,962	13,010	Inorganics (Sb, As, Cd, Co, Cu, Cr, Pb, Hg, Mo, Ni, Tl, Zn, Hex Cr), PCBs (Aroclor 1254/1260), PAHs (Various), Dioxins/Furans, Radionuclide (Tritium)	16	3.1	13,872	16,386	10
	Unaffiliated Areas	0.0	0	0	Not applicable.	0	0.0	0	0	Not applicable.	0	0.0	0	0	4
	Total for Subarea 1A South	**4.0**	**16,772**	**20,005**		**52**	**7.2**	**27,957**	**33,749**		**72**	**8.2**	**35,201**	**41,804**	**93**

Table 5
Summary of Excavation Areas, Volumes and Exceptions for Scenarios 1, 2, and 3

		Scenario 1					Scenario 2					Scenario 3			
Subarea	**Site**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**COPCs/ROPCs**	**Number of Exception Locations**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**COPCs/ROPCs**	**Number of Exception Locations**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**Number of Exception Locations**
Boeing RFI Subarea 1B North	Bowl Area	0.9	5,337	6,032	Inorganics (Sb, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Tl, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), SVOCs (Di-n-butyl pthalate), VOC (TCE), Dioxins/Furans	15	1.1	7,092	7,952	Inorganics (Sb, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Tl, Zn, Mn), PCBs (Aroclor 1254/1260), PAHs (Various), SVOCs (Di-n-butyl pthalate), VOCs (Various), Dioxins/Furans	34	1.4	8,645	9,768	32
	R-1 Pond (Area I Reservoir)	1.1	10,498	11,378	Inorganics (Sb, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn), PAHs (Various), Dioxins/Furans	24	1.2	10,301	11,257	Inorganics (Sb, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn, Hg), PAHs (Various), Dioxins/Furans, Herbicide (MCPP)	25	1.3	11,718	12,734	29
	Unaffiliated Areas	0.0	0	0	Not applicable.	0	0.0	0	0	Not applicable.	0	0.0	0	0	1
	Total for Subarea 1B North	**2.0**	**15,835**	**17,410**		**39**	**2.3**	**17,393**	**19,209**		**59**	**2.7**	**20,363**	**22,502**	**62**
Boeing RFI Subarea 1B Southeast	Components Test Laboratory - III (CTL-III)	2.6	14,103	16,186	Inorganics (Sb, Cd, Cr, Cu, Pb, Mn, Mo, Ni, Se, Tl, Zn), PAHs (Various), PCBs (Aroclor 1254), Dioxins/Furans, SVOC (Di-n-butyl phthalate), DRO, GRO, ORO, Herbicide (MCPA), VOC (TCE)	38	5.0	28,672	32,697	Inorganics (Sb, As, Ba, Cd, Cr, Cu, Pb, Mn, Mo, Ni, Se, Tl, Zn, Hex Cr), PAHs (Various), PCBs (Aroclor 1254/1260), Dioxins/Furans, SVOC (Di-n-butyl phthalate), DRO, GRO, ORO, Herbicide (MCPA), VOC (TCE), Energetic (Perchlorate)	30	5.9	33,777	38,507	22
	Perimeter Pond	0.8	4,739	5,375	Inorganics (Sb, Cd, Cu, Pb, Hg, Tl), PAHs (B(a)p), Dioxins/Furans	8	0.9	4,544	5,244	Inorganics (Sb, Cd, Cu, Pb, Hg, Tl), PAHs (Various), Dioxins/Furans, PCBs (Aroclor 1254/1260)	3	0.9	5,013	5,738	5
	Unaffiliated Areas	0.0	0	0	Not applicable.	0	0.0	0	0	Not applicable.	0	0.0	0	0	0
	Total for Subarea 1B Southeast	**3.4**	**18,842**	**21,561**		**46**	**5.9**	**33,216**	**37,941**		**33**	**6.8**	**38,790**	**44,244**	**27**
Boeing RFI Subarea 1B Southwest	Area I Burn Pit (AIBP)	1.5	7,977	9,183	VOCs (Various), Inorganics (Sb, Ba, Cd, Cr, Co, Cu, Pb, Mn, Hg, Mo, Ni, Tl, Se, V, Zn, Hex Cr), PCBs (Aroclor 1254/1260), PAHs (Various), Pesticide (Heptaclor epoxide), SVOC (Pentachlorophenal), Dioxins/Furans, Radionuclide (Eu-152)	47	3.9	21,873	25,033	Inorganics (Sb, Ba, Cd, Cr, Co, Cu, Pb, Mn, Hg, Mo, Ni, Se, Tl, V, Zn, Hex Cr), PAHs (Various),PCBs (Aroclor 1242/1254/1260), Dioxins/Furans, DRO, GRO, ORO, Pesticides (Various), VOCs (Various), SVOCs (Pentachlorophenol), Energetic (Perchlorate), Radionuclide (Eu-152)	14	4.1	25,015	28,313	15
	Component Test Laboratory - V (CTL-V)	1.4	5,825	6,956	PAHs (Various), Inorganics (Sb, As, Cd, Cu, Mo, Pb, Se, Zn), Dioxins/Furans, PCBs (Various), Herbicide (MCPA), VOC (TCE)	28	2.8	13,339	15,618	PAHs (Various), Inorganics (Sb, As, Cd, Cr, Cu, Mo, Pb, Se, Tl, Zn), Dioxins/Furans, PCBs (Various), Herbicides (Various), VOCs (Various)	7	2.9	13,828	16,178	6
	Unaffiliated Areas	0.0	0	0	Not applicable.	0	0.0	0	0	Not applicable.	0	0.0	0	0	0
	Total for Subarea 1B Southwest	**2.9**	**13,802**	**16,139**		**75**	**6.7**	**35,212**	**40,651**		**21**	**7.0**	**38,843**	**44,491**	**21**
Boeing RFI Subarea 5/9 North	Engineering Chemistry Laboratory (ECL)	1.1	4,775	5,625	Inorganics (Sb, As, Cd, Cu, Mo, Tl), PAHs (Various), VOCs (Various) , Dioxins/Furans	5	2.0	9,147	10,786	Inorganics (Sb, As, Cd, Cu, Mo, Tl, Ba, Pb, Hg, Zn), PAHs (Various), VOCs (Various), Dioxins/Furans, SVOCs (Formaldehyde)	6	1.7	7,886	9,248	6
	Silvernale	3.6	15,960	18,888	Dioxins/Furans, Inorganics (Cd, Cu, Ag, Sb, Pb, Mo, Ni, Cr, Hex Cr), PCBs (Aroclor 1254), Radionuclides (Cs-137, Sr-90)	3	3.4	15,227	17,978	Dioxins/Furans, Inorganics (As, Cd, Cu, Ag, Sb, Pb, Mo, Ni, Cr, Hex Cr, Zn, Hg), PCBs (Aroclor 1254/1260), VOCs (Benzene), PAHs (Various), SVOCs (Formaldehyde, NDMA), Energetic (Perchlorate), Radionuclides (Cs-137, Sr-90)	2	3.9	18,514	21,630	3
	Unaffiliated Areas	0.3	2,234	2,458	PAHs (Various)	0	0.3	2,235	2,458	PAHs (Various)	0	0.3	2,453	2,698	0
	Total for Subarea 5/9 North	**5.0**	**22,969**	**26,970**		**8**	**5.7**	**26,609**	**31,223**		**8**	**5.9**	**28,853**	**33,576**	**9**

Table 5
Summary of Excavation Areas, Volumes and Exceptions for Scenarios 1, 2, and 3

		Scenario 1					Scenario 2					Scenario 3			
Subarea	**Site**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**COPCs/ROPCs**	**Number of Exception Locations**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**COPCs/ROPCs**	**Number of Exception Locations**	**Area of Excavation (Acres)**	**Volume for +1 (cy)**	**Volume for +1.5 (cy)**	**Number of Exception Locations**
Boeing RFI Subarea 5/9 South	Compound A Facility	1.6	6,806	8,105	Inorganics (Sb, As, Ba, Cd, Cr, Co, Cu, Hex Cr, Pb, Mo, Mn, Hg, Mo, Ni, Ag, Tl, Zn), PCBs (Aroclor 1254), PAHs (Benzo(a)pyrene), Dioxins/Furans	11	1.9	7,612	9,134	Inorganics (Sb, As, Ba, Cd, Cr, Co, Cu, Hex Cr, Pb, Mo, Mn, Hg, Mo, Ni, Ag, Tl, Zn), PCBs (Aroclor 1254/1260/5460), PAHs (Various), Dioxins/Furans	10	1.9	8,011	9,559	9
	Environmental Effects Lab (EEL)	1.4	7,432	8,584	Inorganics (Sb, As, Hex Cr), PAHs (Various), Dioxins/Furans, Herbicides (MCPA), VOCs (TCE, Toluene, Benzene), Radionulcide (Sr-90)	2	1.6	7,602	8,913	Inorganics (Sb, As, Hex Cr, Cd, Mn), PAHs (Various), Dioxins/Furans, Herbicide (MCPA), Pesticide (Mirex), VOC (TCE, Toluene, Benzene), PCB (Aroclor 1254/1260), Radionuclide (Sr-90)	2	1.7	8,470	9,831	4
	Systems Test Laboratory - IV (STL-IV)	1.6	7,361	8,665	Inorganics (Sb, As, Ba, Cd, Cr, Cu, Hex Cr, Pb, Mo, Zn), PCBs (Aroclor 1254/1260), PAHs (Various), Cis-1,2-DCE, Dioxins/Furans, Herbicides (MCPA), VOCs (TCE), Radionuclides (Cs-137, Sr-90)	23	3.8	18,103	21,207	Inorganics (Sb, As, Cd, Cr, Cu, Hex Cr, Pb, Mo, Zn, Mn, Ni, Tl), PCBs (Aroclor 1254/1260), PAHs (Various), Cis-1,2-DCE, Dioxins/Furans, Herbicides (MCPA), VOCs (TCE), SVOCs (Formaldehyde), Radionuclides (Cs-137, Sr-90)	12	4.2	21,651	25,034	16
	Area III Sewage Treatment Plant (STP-3)	0.6	2,447	2,934	Inorganics (Sb, Ba, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Ag, Tl, Zn), PAHs (Various), Dioxins/Furans, PCB (Aroclor 1254), Radionuclide (Eu-152)	3	0.6	2,818	3,333	Inorganics (Sb, Ba, Cd, Cr, Cu, Pb, Hg, Mo, Ni, Ag, Tl, Zn), PAHs (Various), Dioxins/Furans, PCB (Aroclor 1254), Radionuclide (Eu-152)	4	0.6	3,043	3,566	4
	Unaffiliated Areas	0.0	0	0	Not applicable.	0	0.0	0	0	Not applicable.	0	0.0	0	0	0
	Total for Subarea 5/9 South	**5.3**	**24,047**	**28,288**		**39**	**8.0**	**36,135**	**42,586**		**28**	**8.4**	**41,174**	**47,989**	**33**
Boeing RFI Subarea 10	Undeveloped Land (Also referred to as the Southern Buffer Zone)	0.01	25	34	Dioxins/Furans	32	0.03	76	101	Inorganics (Sb), Dioxins/Furans	42	0.03	76	101	46
	Total for Subarea 10	**0.01**	**25**	**34**		**32**	**0.03**	**76**	**101**		**42**	**0.03**	**76**	**101**	**46**
Former Shooting Range	50% of Zones 1, 2, and 3	8.5	14,000	14,000	Inorganics (Sb, As, Pb) and PAHs	Not Applicable	8.5	14,000	14,000	Inorganics (Sb, As, Pb) and PAHs	Not Applicable	8.5	14,000	14,000	Not Applicable
	Total for Former Shooting Range	**8.5**	**14,000**	**14,000**			**8.5**	**14,000**	**14,000**			**8.5**	**14,000**	**14,000**	
Total for Areas I, III, and the Southern Buffer Zone		**46.0**	**251,186**	**281,454**		**433**	**64.5**	**344,195**	**389,370**		**390**	**69.4**	**389,443**	**438,601**	**413**

Notes:

Ag - Silver
As - Arsenic
Ba - Barium
Cd - Cadmium
Co - Cobalt
COPCs - Chemicals of Potential Concern
Cr - Chromium
Cs-137 - Cesium-137
Cu - Copper
cy - Cubic Yards
DRO - Diesel Range Organics
Eu-152 - Europium-152
Hex Cr - Hexavalent Chromium
Hg - Mercury
GRO - Gasoline Range Organics
Mn - Manganese
Mo - Molybdenum
NDMA - n-Nitrosodimethylamine
Ni - Nickel
ORO - Oil Range Organics
PAH - Polynuclier Aromatic Hydrocarbons
Pb - Lead
PCB - Polychlorinated Biphenyls
ROPCs - Radionuclides of Potential Concern
Sb - Antimony
Se - Selenium
Sr-90 - Strontium-90
SVOC - Semi-Volatile Organic Compound
Tl - Thallium
V - Vanadium
VOC - Volatile Organic Compound
Zn - Zinc

Table 6
Summary of Radiological Data Exceeding the Comparison Criteria

Site	Radionuclide	Maximum Value Detected (pCi/g)	SSFL LUT (pCi/g)	Number of Locations Exceeding LUT Values	UTL95-95 (pCi/g)	Number of Locations Exceeding UTL-95-95 Values
Silvernale Pond	Cs-137	0.324	0.225	4	0.157	4
Silvernale Pond	Sr-90	0.267	0.117	1	0.0512	1
STL-IV	Sr-90	0.817	0.117	1	0.0512	1
STL-IV	Cs-137	0.163	0.225	0	0.157	1
Area I Burn Pit	Eu-152	0.147	0.0739	4	0.0109	4
Alfa Spray Field	Cs-137	0.226	0.225	1	0.157	1
B-1	Cs-137	0.229	0.225	1	0.157	2
IEL	Cs-137	0.27	0.225	2	0.157	4
EEL	Sr-90	0.275	0.117	1	0.0512	1
LETF	Tritium	4.95	NA1	0	4.892	1
LETF	Cs-137	0.22	0.225	0	0.157	1
STP-3	Eu-152	0.06	0.0739	0	0.0109	1

Notes:

pCi/g - picocuries per gram
LUT - Look-up table
UTL - Upper tolerance limit
NA1 - Tritium not included in Draft Proisional LUT Values

Table 7
Summary of Potential Soil Remediation Areas Associated with Radiological Parameters

Site	Radionuclide	Maximum Value Detected (pCi/g)	SSFL LUT (pCi/g)	UTL95-95 (pCi/g)	Sample ID	Scenario 1 Soil Remediation Area	Scenario 2 Soil Remediation Area	Scenario 3 Soil Remediation Area
Silvernale Pond	Cs-137	0.324	0.225	0.157	A3_SED_DG-3,4,5,7	SN-1-S1	SN-2-S1	SN-3-S1
	Sr-90	0.267	0.117	0.0512	A3_SED_DG-1	SN-1-S4	SN-2-S4	SN-3-S4
STL-IV	Sr-90	0.817	0.117	0.0512	A3_SED_DG-16	STL-IV-1-S35	STL-IV-2-S35	STL-IV-3-S35
	Cs-137	0.163	0.225	0.157	A3_SED_DG-17	STL-IV-1-S3	STL-IV-2-S3	STL-IV-3-S3
Area I Burn Pit	Eu-152	0.147	0.0739	0.0109	TTBS1010, 1016, 1079,1123	AIBP-1-S1	AIBP-2-S1	AIBP-3-S1
						AIBP-1-S26	AIBP-2-S10	AIBP-3-S10
						AIBP-1-S27	AIBP-2-S9	AIBP-3-S9
B-1	Cs-137	0.229	0.225	0.157	B1BS0223	B1-1-S33	B1-2-S33	B1-3-S33
IEL	Cs-137	0.261	0.225	0.157	ILST1001	IEL-1-S50	IEL-2-S50	IEL-3-S50
	Cs-137	0.27	0.225	0.157	SM-03-015, 001	IEL-1-S66	IEL-2-S66	IEL-3-S66
EEL	Sr-90	0.275	0.117	0.0512	A3_SED_DG-14	EEL-1-S1	EEL-2-S1	EEL-3-S1
LETF	Tritium	4.95	No LUT	4.892	LFSB0200	LETF-1-S13	LETF-2-S13	LETF-3-S13
	Cs-137	0.22	0.225	0.157	LFST1000	LETF-1-S6	LETF-2-S6	LETF-3-S6
STP-3	Eu-152	0.06	0.0739	0.0109	STBS1016	STP3-1-S1	STP3-2-S1	STP3-3-S1
Alfa Spray Field	Cs-137	0.226	0.225	0.157	UBBS2020	R1-1-S16	R1-2-S25	R1-3-S17

Notes:

pCi/g - picocuries per gram
LUT - Look-up table
UTL - Upper tolerance limit
NA1 - Tritium not included in Draft Proisional LUT Values

Appendices

Appendix A

Supporting Documentation for Scenario 1

Appendix A

Supporting Documentation for Scenario 1

Polygons

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
AFBS0103	1A Central	APTF	APTF-1-S1	690	2.00	51.1	3411.3	2,020.4	2.50	63.9	297.9	2,365.7
AFBS0121	1A Central	APTF	APTF-1-S1	870	2.00	64.4			2.50	80.6		
AFBS1020	1A Central	APTF	APTF-1-S1	971	1.50	54.0			2.00	71.9		
AFBS1018	1A Central	APTF	APTF-1-S1	881	2.00	65.2			2.50	81.5		
AFBS1065	1A Central	APTF	APTF-1-S10	221	2.00	16.4	221.5		2.50	20.5	20.5	
AFBS1131	1A Central	APTF	APTF-1-S11	334	1.50	18.6	334.1		2.00	24.7	24.7	
AFBS0076	1A Central	APTF	APTF-1-S12	365	3.00	40.6	365.0		3.50	47.3	47.3	
AFBS62	1A Central	APTF	APTF-1-S15	175	1.00	6.5	174.5		1.50	9.7	9.7	
AFBS1089	1A Central	APTF	APTF-1-S16	469	1.50	26.1	1071.6		2.00	34.8	79.4	
AFBS1088	1A Central	APTF	APTF-1-S16	602	1.50	33.5			2.00	44.6		
AFBS1098	1A Central	APTF	APTF-1-S17	491	2.00	36.4	491.3		2.50	45.5	45.5	
AFBS1040S070	1A Central	APTF	APTF-1-S18	158	1.50	8.8	329.4		2.00	11.7	24.4	
AFBS1040S001	1A Central	APTF	APTF-1-S18	171	1.50	9.5			2.00	12.7		
	1A Central	APTF	APTF-1-S19	174.4	1.00	6	174.4		1.5	9.7	9.7	
AFBS01	1A Central	APTF	APTF-1-S2	659	6.00	146.5	3017.7		6.50	158.7	486.6	
AFBS1054	1A Central	APTF	APTF-1-S2	367	2.00	27.2			2.50	34.0		
AFBS0151	1A Central	APTF	APTF-1-S2	598	2.50	55.4			3.00	66.5		
AFBS1055	1A Central	APTF	APTF-1-S2	664	6.00	147.6			6.50	159.9		
AFBS1027	1A Central	APTF	APTF-1-S2	729	2.00	54.0			2.50	67.5		
	1A Central	APTF	APTF-1-S20	173.7	1.00	6	173.7		1.5	9.7	9.7	
	1A Central	APTF	APTF-1-S21	167.4	1.00	6	167.4		1.5	9.3	9.3	
AFBS35	1A Central	APTF	APTF-1-S22	240	1.75	15.6	240.3		2.25	20.0	20.0	
AFBS09	1A Central	APTF	APTF-1-S3	754	1.50	41.9	1764.4		2.00	55.8	228.5	
AFBS1069	1A Central	APTF	APTF-1-S3	587	6.00	130.4			6.50	141.3		
AFBS1007	1A Central	APTF	APTF-1-S3	424	1.50	23.5			2.00	31.4		
AFBS05	1A Central	APTF	APTF-1-S5	673	1.50	37.4	6383.8		2.00	49.8	1,022.4	
AFBS1008	1A Central	APTF	APTF-1-S5	964	1.50	53.5			2.00	71.4		
AFBS1080	1A Central	APTF	APTF-1-S5	1663	1.50	92.4			2.00	123.2		
AFBS1079	1A Central	APTF	APTF-1-S5	1105	1.50	61.4			2.00	81.9		
AFBS12	1A Central	APTF	APTF-1-S5	466	2.50	43.2			3.00	51.8		
AFBS1100	1A Central	APTF	APTF-1-S5	1513	11.00	616.3			11.50	644.3		
AFBS1000	1A Central	APTF	APTF-1-S8	326	2.00	24.1	325.8		2.50	30.2	30.2	
ILBS1526	1A Central	B359	B359-1-S1	2495	1.50	138.6	2494.9		2.00	184.8	184.8	
BSBS40	1A Central	B359	B359-1-S11	143	2.50	13.2	220.2		3.00	15.9	23.6	
BSLS03	1A Central	B359	B359-1-S11	77	2.20	6.3			2.70	7.7		
AFBS0158	1A Central	B359	B359-1-S12	314	2.50	29.1	314.4		3.00	34.9	34.9	
BSBK17	1A Central	B359	B359-1-S14	382	1.50	21.2	382.3		2.00	28.3	28.3	
BSLB66	1A Central	B359	B359-1-S16	132	1.50	7.3	131.9		2.00	9.8	9.8	
BSLB64	1A Central	B359	B359-1-S17	271	1.50	15.1	271.4		2.00	20.1	20.1	
BSLS28	1A Central	B359	B359-1-S18	337	1.33	16.6	336.8		1.83	22.8	22.8	
BSTS31S01	1A Central	B359	B359-1-S2	400	7.00	103.7			7.50	111.1		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
BSBS1040	1A Central	B359	B359-1-S2	732	1.50	40.7			2.00	54.2		
BSBS1042	1A Central	B359	B359-1-S2	675	1.50	37.5	3133.8		2.00	50.0	445.2	
BSBS0161	1A Central	B359	B359-1-S2	385	10.00	142.5			10.50	149.6		
ILBS1124	1A Central	B359	B359-1-S2	941	1.80	62.8			2.30	80.2		
AFBS1045	1A Central	B359	B359-1-S22b	280	7.00	72.6			7.50	77.7		
AFBS1044	1A Central	B359	B359-1-S22b	575	7.00	149.1			7.50	159.7		
BSBK11	1A Central	B359	B359-1-S22b	332	2.00	24.6			2.50	30.7		
AFBS56	1A Central	B359	B359-1-S22b	354	1.50	19.7	2892.6		2.00	26.2	615.6	
BSBS1055	1A Central	B359	B359-1-S22b	965	7.00	250.1			7.50	268.0		
AFBS1048	1A Central	B359	B359-1-S22b	117	6.00	26.1			6.50	28.3		
AFBS19	1A Central	B359	B359-1-S22b	190	2.00	14.1			2.50	17.6		
AFBS19S03	1A Central	B359	B359-1-S22b	79	2.00	5.9			2.50	7.3		
AFBS1051	1A Central	B359	B359-1-S23	647	1.50	36.0			2.00	47.9		
AFBS1076	1A Central	B359	B359-1-S23	206	5.50	42.0			6.00	45.8		
AFBS29	1A Central	B359	B359-1-S23	352	1.50	19.6			2.00	26.1		
AFBS30	1A Central	B359	B359-1-S23	745	2.00	55.2	3451.1		2.50	69.0	323.7	
AFBS0145	1A Central	B359	B359-1-S23	302	2.00	22.3			2.50	27.9		
AFBS19S02	1A Central	B359	B359-1-S23	981	2.00	72.7			2.50	90.8		
AFBS57	1A Central	B359	B359-1-S23	217	1.50	12.1			2.00	16.1		
BSBK12	1A Central	B359	B359-1-S24	629	2.00	46.6		6,085.7	2.50	58.2		6,782.9
BSBS1010	1A Central	B359	B359-1-S24	508	11.00	206.9	1345.5		11.50	216.3	290.0	
AFBS1050	1A Central	B359	B359-1-S24	209	1.50	11.6			2.00	15.5		
AFBS0064	1A Central	B359	B359-1-S26	816	1.90	57.4			2.40	72.5		
AFBS1021	1A Central	B359	B359-1-S26	1169	11.00	476.2			11.50	497.8		
AFBS1081	1A Central	B359	B359-1-S26	1457	11.00	593.4	4817.6		11.50	620.4	1,313.7	
AFBS0116	1A Central	B359	B359-1-S26	758	2.00	56.1			2.50	70.2		
AFBS33	1A Central	B359	B359-1-S26	239	1.50	13.3			2.00	17.7		
AFBS0115	1A Central	B359	B359-1-S26	380	2.00	28.1			2.50	35.1		
BSBK13	1A Central	B359	B359-1-S3	755	1.00	28.0			1.50	41.9		
BSBS1037	1A Central	B359	B359-1-S3	832	1.50	46.2			2.00	61.6		
BSTC25S11	1A Central	B359	B359-1-S3	753	3.50	97.6			4.00	111.6		
BSTC25S08	1A Central	B359	B359-1-S3	101	4.00	14.9	5116.7		4.50	16.8	455.5	
BSBS1000	1A Central	B359	B359-1-S3	1588	1.50	88.2			2.00	117.7		
BSTS07S01	1A Central	B359	B359-1-S3	104	2.50	9.7			3.00	11.6		
BSTC25S10	1A Central	B359	B359-1-S3	232	4.00	34.4			4.50	38.7		
BSBS1038	1A Central	B359	B359-1-S3	751	1.50	41.7			2.00	55.6		
	1A Central	B359	B359-1-S30	797.95	3.00	88.7	797.9		3.50	103.4	103.4	
	1A Central	B359	B359-1-S37	5581.08	8.00	1653.7	5581.1		8.50	1757.0	1,757.0	
	1A Central	B359	B359-1-S38	3650.96	6.00	811.3	3651.0		6.50	878.9	878.9	
BSBS0104	1A Central	B359	B359-1-S39	107	5.50	21.8	107.0		6.00	23.8	23.8	
BSBS0139	1A Central	B359	B359-1-S4	713	2.00	52.8	712.8		2.50	66.0	66.0	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
BSTS10	1A Central	B359	B359-1-S5	32	2.50	3.0	32.0		3.00	3.6	3.6	
BSBS1033	1A Central	B359	B359-1-S6	622	1.50	34.5	621.7		2.00	46.1	46.1	
BSBS69	1A Central	B359	B359-1-S7	165	1.50	9.2			2.00	12.2		
BSBK47	1A Central	B359	B359-1-S7	260	3.00	28.8			3.50	33.6		
BSBK44	1A Central	B359	B359-1-S7	274	2.50	25.4	1234.7		3.00	30.4	135.9	
BSBK46	1A Central	B359	B359-1-S7	272	2.50	25.2			3.00	30.3		
BSTS09	1A Central	B359	B359-1-S7	264	2.50	24.5			3.00	29.3		
HVBS18	1A Central	HVN	HVN-1-S2	651	1.50	36.2	1250.9		2.00	48.2	103.8	
HNBS0002	1A Central	HVN	HVN-1-S2	600	2.00	44.4			2.50	55.5		
HVBS0100	1A Central	HVN	HVN-1-S6	271	14.00	140.7			14.50	145.7		
HVTC09S42	1A Central	HVN	HVN-1-S6	253	3.50	32.8			4.00	37.5		
HVBD75	1A Central	HVN	HVN-1-S6	341	3.50	44.1			4.00	50.4		
HVBD79	1A Central	HVN	HVN-1-S6	475	1.50	26.4			2.00	35.2		
HVTC09S07	1A Central	HVN	HVN-1-S6	571	3.00	63.5			3.50	74.1		
HVTC09S21	1A Central	HVN	HVN-1-S6	494	3.00	54.8			3.50	64.0		
HVTC09S10	1A Central	HVN	HVN-1-S6	196	3.00	21.8	4676.6		3.50	25.5	731.6	
HVTC09S44	1A Central	HVN	HVN-1-S6	183	3.50	23.7			4.00	27.1		
HVTC09S43	1A Central	HVN	HVN-1-S6	254	3.50	32.9			4.00	37.6		
HVTC09S41	1A Central	HVN	HVN-1-S6	337	3.00	37.4			3.50	43.7		
HVTC09S08	1A Central	HVN	HVN-1-S6	362	3.00	40.2			3.50	46.9		
HVBD78	1A Central	HVN	HVN-1-S6	446	1.50	24.8			2.00	33.0		
HVTC09S12	1A Central	HVN	HVN-1-S6	309	3.50	40.1			4.00	45.8		
HVBS36	1A Central	HVN	HVN-1-S6	185	9.00	61.7			9.50	65.1		
HVBS50	1A Central	HVN	HVN-1-S7	652	10.00	241.5			10.50	253.5		
HVBF15	1A Central	HVN	HVN-1-S7	948	10.00	351.1			10.50	368.6		
HNBS0122	1A Central	HVN	HVN-1-S7	872	10.00	322.8			10.50	339.0		
HNBS0012	1A Central	HVN	HVN-1-S7	620	10.00	229.5			10.50	241.0		
HVBS35	1A Central	HVN	HVN-1-S7	279	10.00	103.3			10.50	108.5		
HVBS09	1A Central	HVN	HVN-1-S7	320	10.00	118.4			10.50	124.3		
HNBS0021	1A Central	HVN	HVN-1-S7	331	10.00	122.5			10.50	128.7		
HNBS0006	1A Central	HVN	HVN-1-S7	2190	10.00	811.1			10.50	851.7		
HVBD88	1A Central	HVN	HVN-1-S7	989	10.00	366.2			10.50	384.6		
HVBS71	1A Central	HVN	HVN-1-S7	316	10.00	117.1			10.50	123.0		
HVTC09S26	1A Central	HVN	HVN-1-S7	147	10.00	54.3		8,131.8	10.50	57.0		8,611.9
HVTC09S24	1A Central	HVN	HVN-1-S7	304	10.00	112.6			10.50	118.3		
HVTC09S22	1A Central	HVN	HVN-1-S7	150	10.00	55.7			10.50	58.5		
HVTC09S27	1A Central	HVN	HVN-1-S7	368	10.00	136.2			10.50	143.0		
HVTC09S17	1A Central	HVN	HVN-1-S7	331	10.00	122.7			10.50	128.8		
HVTC09S03	1A Central	HVN	HVN-1-S7	436	10.00	161.6			10.50	169.7		
HVBK93	1A Central	HVN	HVN-1-S7	356	10.00	131.8			10.50	138.4		
HVTC09S40	1A Central	HVN	HVN-1-S7	226	10.00	83.5			10.50	87.7		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
HVBF14	1A Central	HVN	HVN-1-S7	532	10.00	197.0	19996.8		10.50	206.9	7,776.5	
HVBD87	1A Central	HVN	HVN-1-S7	1742	10.00	645.3			10.50	677.6		
HVBD90	1A Central	HVN	HVN-1-S7	595	10.00	220.3			10.50	231.3		
HVBD86	1A Central	HVN	HVN-1-S7	934	10.00	346.0			10.50	363.3		
HVBD81	1A Central	HVN	HVN-1-S7	434	10.00	160.7			10.50	168.8		
HVSS06	1A Central	HVN	HVN-1-S7	273	10.00	101.3			10.50	106.3		
HVBK94	1A Central	HVN	HVN-1-S7	499	10.00	184.9			10.50	194.1		
HVTC09S39	1A Central	HVN	HVN-1-S7	188	10.00	69.5			10.50	73.0		
HVTC09S25	1A Central	HVN	HVN-1-S7	304	10.00	112.6			10.50	118.2		
HVBF42	1A Central	HVN	HVN-1-S7	176	10.00	65.2			10.50	68.5		
HVBD83	1A Central	HVN	HVN-1-S7	983	10.00	363.9			10.50	382.1		
HVBD82	1A Central	HVN	HVN-1-S7	637	10.00	235.9			10.50	247.7		
HNBS0105	1A Central	HVN	HVN-1-S7	633	10.00	234.5			10.50	246.2		
HVTC09S36	1A Central	HVN	HVN-1-S7	231	10.00	85.5			10.50	89.8		
HVTC09S38	1A Central	HVN	HVN-1-S7	307	10.00	113.9			10.50	119.6		
HVTC09S37	1A Central	HVN	HVN-1-S7	332	10.00	123.1			10.50	129.2		
HVTC09S35	1A Central	HVN	HVN-1-S7	434	10.00	160.7			10.50	168.7		
HVBS13	1A Central	HVN	HVN-1-S7	96	10.00	35.4			10.50	37.2		
HVBS12	1A Central	HVN	HVN-1-S7	253	10.00	93.7			10.50	98.4		
HVBS03	1A Central	HVN	HVN-1-S7	580	10.00	214.7			10.50	225.4		
A1TS02	1A North	AILF	A1LF-1-S1	4792	10.00	1774.7			10.50	1863.5		
A1TS39	1A North	AILF	A1LF-1-S1	2051	10.00	759.7			10.50	797.7		
A1TS25	1A North	AILF	A1LF-1-S1	3133	10.00	1160.3			10.50	1218.3		
A1TS41	1A North	AILF	A1LF-1-S1	1321	10.00	489.3			10.50	513.7		
A1TS11	1A North	AILF	A1LF-1-S1	2891	10.00	1070.6			10.50	1124.2		
A1TS03	1A North	AILF	A1LF-1-S1	5316	10.00	1968.8			10.50	2067.2		
A1BS0113	1A North	AILF	A1LF-1-S1	386	10.00	142.9			10.50	150.1		
A1BS0074	1A North	AILF	A1LF-1-S1	882	10.00	326.8			10.50	343.1		
A1BS07	1A North	AILF	A1LF-1-S1	1462	10.00	541.5			10.50	568.6		
A1BS03	1A North	AILF	A1LF-1-S1	3035	10.00	1124.1			10.50	1180.3		
B-1-02	1A North	AILF	A1LF-1-S1	1699	10.00	629.2			10.50	660.7		
A1BS0102	1A North	AILF	A1LF-1-S1	169	10.00	62.7			10.50	65.9		
A1BS0034	1A North	AILF	A1LF-1-S1	6174	10.00	2286.6			10.50	2400.9		
A1TS0058A	1A North	AILF	A1LF-1-S1	3692	10.00	1367.4			10.50	1435.8		
A1TS50	1A North	AILF	A1LF-1-S1	4983	10.00	1845.7			10.50	1937.9		
A1TS16	1A North	AILF	A1LF-1-S1	4052	10.00	1500.9			10.50	1575.9		
A1TS31	1A North	AILF	A1LF-1-S1	3628	10.00	1343.7			10.50	1410.9		
A1BS1008	1A North	AILF	A1LF-1-S1	1574	10.00	582.9			10.50	612.1		
A1TS0057A	1A North	AILF	A1LF-1-S1	1977	10.00	732.4			10.50	769.0		
A1TS27	1A North	AILF	A1LF-1-S1	4091	10.00	1515.3			10.50	1591.1		
A1TS43	1A North	AILF	A1LF-1-S1	3366	10.00	1246.5			10.50	1308.8		

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
A1TS38	1A North	AILF	A1LF-1-S1	1316	10.00	487.3			10.50	511.7		
A1TS48	1A North	AILF	A1LF-1-S1	3539	10.00	1310.6			10.50	1376.1		
A1TS40	1A North	AILF	A1LF-1-S1	603	10.00	223.3			10.50	234.5		
A1TS52S01	1A North	AILF	A1LF-1-S1	4258	10.00	1577.1			10.50	1656.0		
A1TS37	1A North	AILF	A1LF-1-S1	1815	10.00	672.1	122348.9		10.50	705.7	47,580.1	
A1TS36	1A North	AILF	A1LF-1-S1	2116	10.00	783.8			10.50	823.0		
A1TS18	1A North	AILF	A1LF-1-S1	2896	10.00	1072.7			10.50	1126.4		
A1TS17	1A North	AILF	A1LF-1-S1	3984	10.00	1475.4			10.50	1549.2		
A1BS0062	1A North	AILF	A1LF-1-S1	5134	10.00	1901.3			10.50	1996.4		
A1BS11	1A North	AILF	A1LF-1-S1	5536	10.00	2050.5			10.50	2153.1		
A1TS44	1A North	AILF	A1LF-1-S1	3235	10.00	1198.0			10.50	1257.9		
A1BS0061	1A North	AILF	A1LF-1-S1	3904	10.00	1445.9		50,253.2	10.50	1518.2		52,927.0
A1TS08	1A North	AILF	A1LF-1-S1	4839	10.00	1792.1			10.50	1881.7		
A1BS0114	1A North	AILF	A1LF-1-S1	1473	10.00	545.7			10.50	573.0		
A1BS0099	1A North	AILF	A1LF-1-S1	406	10.00	150.3			10.50	157.8		
A1BS0098	1A North	AILF	A1LF-1-S1	158	10.00	58.4			10.50	61.3		
A1BS01	1A North	AILF	A1LF-1-S1	2586	10.00	957.8			10.50	1005.7		
A1BS0101	1A North	AILF	A1LF-1-S1	168	10.00	62.2			10.50	65.3		
A1BS0097	1A North	AILF	A1LF-1-S1	166	10.00	61.6			10.50	64.7		
A1BS10	1A North	AILF	A1LF-1-S1	2533	10.00	938.0			10.50	984.9		
A1BS09	1A North	AILF	A1LF-1-S1	136	10.00	50.2			10.50	52.8		
A1BS0092	1A North	AILF	A1LF-1-S1	1580	10.00	585.1			10.50	614.3		
A1BS0085	1A North	AILF	A1LF-1-S1	1145	10.00	423.9			10.50	445.1		
A1BS08	1A North	AILF	A1LF-1-S1	618	10.00	229.0			10.50	240.5		
A1BS05	1A North	AILF	A1LF-1-S1	408	10.00	151.1			10.50	158.6		
A1BS0052	1A North	AILF	A1LF-1-S1	418	10.00	154.7			10.50	162.4		
A1BS06	1A North	AILF	A1LF-1-S1	1436	10.00	531.9			10.50	558.5		
A1BS04	1A North	AILF	A1LF-1-S1	565	10.00	209.3			10.50	219.7		
A1BS0068	1A North	AILF	A1LF-1-S1	343	10.00	127.1			10.50	133.5		
B-1-01	1A North	AILF	A1LF-1-S1	383	10.00	141.9			10.50	149.0		
A1TS05	1A North	AILF	A1LF-1-S1	3980	10.00	1474.1			10.50	1547.8		
A1BS1021	1A North	AILF	A1LF-1-S2	3711	11.00	1512.1			11.50	1580.8		
ILBS1097	1A North	AILF	A1LF-1-S2	4962	8.00	1470.1			8.50	1562.0		
A1BS1007	1A North	AILF	A1LF-1-S2	4604	6.00	1023.0	17425.9		6.50	1108.3	4,788.2	
A1BS1006	1A North	AILF	A1LF-1-S2	2771	1.50	153.9			2.00	205.2		
A1BS1003	1A North	AILF	A1LF-1-S2	1378	6.00	306.3			6.50	331.8		
ILBS1096	1A North	AILF	A1LF-1-S4	179	1.50	10.0			2.00	13.3		
A1TS07	1A North	AILF	A1LF-1-S4	2189	3.00	243.3	2499.5		3.50	283.8	323.7	
A1TS10	1A North	AILF	A1LF-1-S4	131	5.00	24.2			5.50	26.6		
EPTWBS09S070	1A North	AILF	A1LF-1-S9	401.16	2.00	29.7	401.2		2.50	37.1	37.1	
A1BS1009	1A North	AILF	A1LF-1-S6	507	5.00	93.9			5.50	103.2		

Appendix A
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Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ENBS0102	1A North	AILF	A1LF-1-S6	200	1.50	11.1			2.00	14.8		
A1BS1020	1A North	AILF	A1LF-1-S6	328	1.50	18.2	1711.5		2.00	24.3	197.8	
ENBS0105	1A North	AILF	A1LF-1-S6	389	1.50	21.6			2.00	28.8		
ENBS0037	1A North	AILF	A1LF-1-S6	287	2.00	21.3			2.50	26.6		
BGSS01	1A North	B-1	B1-1-S1	79	1.50	4.4	78.5		2.00	5.8	5.8	
B1BS1021	1A North	B-1	B1-1-S10	697	1.50	38.7	697.1		2.00	51.6	51.6	
B1BS1011	1A North	B-1	B1-1-S11	252	1.50	14.0			2.00	18.7		
B1BS1144	1A North	B-1	B1-1-S11	481	6.00	106.9	2665.6		6.50	115.8	277.7	
B1BS1015	1A North	B-1	B1-1-S11	1443	1.50	80.2			2.00	106.9		
B1BS1014	1A North	B-1	B1-1-S11	489	1.50	27.2			2.00	36.3		
B1BS1114	1A North	B-1	B1-1-S12	790	1.50	43.9	790.2		2.00	58.5	58.5	
B1BS1022	1A North	B-1	B1-1-S13	655	7.00	169.9			7.50	182.1		
B1BS1024	1A North	B-1	B1-1-S13	402	11.00	163.8	1434.9		11.50	171.3	472.1	
B1BS04	1A North	B-1	B1-1-S13	377	8.00	111.8			8.50	118.8		
B1BS25	1A North	B-1	B1-1-S14	401	2.00	29.7	401.1		2.50	37.1	37.1	
B1BS02	1A North	B-1	B1-1-S15	158	7.50	43.8			8.00	46.7		
SB_B351-9	1A North	B-1	B1-1-S15	364	7.50	101.2	706.7		8.00	107.9	209.4	
B1-9	1A North	B-1	B1-1-S15	185	7.50	51.3		2,498.5	8.00	54.8		2,853.5
B1BS1104	1A North	B-1	B1-1-S16	1798	1.75	116.6			2.25	149.9		
B1BS1105	1A North	B-1	B1-1-S16	1688	7.00	437.5	5495.7		7.50	468.8	813.9	
B1BS1167	1A North	B-1	B1-1-S16	999	2.50	92.5			3.00	111.1		
B1BS0048	1A North	B-1	B1-1-S16	1010	1.75	65.5			2.25	84.2		
B1BS1103	1A North	B-1	B1-1-S17	878	7.00	227.6	1855.7		7.50	243.9	352.5	
B1BS1107	1A North	B-1	B1-1-S17	978	2.50	90.5			3.00	108.6		
B1BS1170	1A North	B-1	B1-1-S18	930	1.50	51.7	929.8		2.00	68.9	68.9	
B1BS1166	1A North	B-1	B1-1-S19	1604	1.50	89.1	1603.9		2.00	118.8	118.8	
	1A North	B-1	B1-1-S33	403.7	1.00	15	403.7		1.5	22.4	22.4	
B1BS1069	1A North	B-1	B1-1-S4	463	2.50	42.9	463.4		3.00	51.5	51.5	
B1BS1041	1A North	B-1	B1-1-S5	401	2.50	37.1	401.1		3.00	44.6	44.6	
B1BS1117	1A North	B-1	B1-1-S6	537	1.50	29.8	537.2		2.00	39.8	39.8	
B1-19	1A North	B-1	B1-1-S9	365	8.00	108.2	706.7		8.50	115.0	228.8	
SB_B351-19	1A North	B-1	B1-1-S9	342	8.50	107.5			9.00	113.8		
ILBS1510	1A North	IEL	IEL-1-S1	1613	1.50	89.6	2313.4		2.00	119.5	249.2	
ILBS1525	1A North	IEL	IEL-1-S1	701	4.50	116.8			5.00	129.8		

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Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
NDTC0084	1A North	IEL	IEL-1-S10	329	1.50	18.3	706.7		2.00	24.4	52.4	
NDTC0086	1A North	IEL	IEL-1-S10	378	1.50	21.0			2.00	28.0		
ILBS0157	1A North	IEL	IEL-1-S101	723	2.00	53.6	723.0		2.50	66.9	66.9	
ILBS1509	1A North	IEL	IEL-1-S103	707	1.50	39.3	706.9		2.00	52.4	52.4	
ILET0106	1A North	IEL	IEL-1-S104	134	7.50	37.3	668.2		8.00	39.8	220.1	
ILET0107	1A North	IEL	IEL-1-S104	364	7.50	101.0			8.00	107.7		
ILBS1006	1A North	IEL	IEL-1-S104	170	11.00	69.4			11.50	72.5		
ILET0109	1A North	IEL	IEL-1-S107	195	7.50	54.2	1733.3		8.00	57.8	305.6	
ILBS1016	1A North	IEL	IEL-1-S107	834	1.50	46.4			2.00	61.8		
ILET0114	1A North	IEL	IEL-1-S107	200	10.50	77.7			11.00	81.4		
ILET0113	1A North	IEL	IEL-1-S107	504	5.10	95.2			5.60	104.5		
ILBS0296	1A North	IEL	IEL-1-S108	144	8.70	46.5	372.9		9.20	49.2	90.5	
ILET0101	1A North	IEL	IEL-1-S108	48	2.60	4.7			3.10	5.6		
ILBS1024	1A North	IEL	IEL-1-S108	51	11.00	20.7			11.50	21.6		
ILBS0221	1A North	IEL	IEL-1-S108	27	4.20	4.1			4.70	4.6		
SB_ABP_B301-5	1A North	IEL	IEL-1-S108	103	2.00	7.6			2.50	9.5		
NDET5030	1A North	IEL	IEL-1-S11	314	1.50	17.5	314.2		2.00	23.3	23.3	
ILBS1105	1A North	IEL	IEL-1-S110	452	1.50	25.1	452.4		2.00	33.5	33.5	
ILBS92	1A North	IEL	IEL-1-S116	314	2.00	23.3	314.2		2.50	29.1	29.1	
ILBS1408	1A North	IEL	IEL-1-S118	79	3.50	10.2	78.5		4.00	11.6	11.6	
ILBS1270	1A North	IEL	IEL-1-S130	1066	1.50	59.2	2595.2		2.00	79.0	220.6	
ILBS1271	1A North	IEL	IEL-1-S130	1529	2.00	113.3			2.50	141.6		
ILBS1303	1A North	IEL	IEL-1-S133	493	1.50	27.4	493.3		2.00	36.5	36.5	
ILBS1179	1A North	IEL	IEL-1-S143	79	1.50	4.4	78.5		2.00	5.8	5.8	
ILBS90	1A North	IEL	IEL-1-S144	298	4.00	44.1	297.7		4.50	49.6	49.6	
	1A North	IEL	IEL-1-S145	579.5	1.00	21	579.5		1.5	32.2	32.2	
	1A North	IEL	IEL-1-S146	108.4	1.00	4	108.4		1.5	6.0	6.0	
ILBS1038	1A North	IEL	IEL-1-S147	267	1.50	14.8	266.9		2.00	19.8	19.8	
	1A North	IEL	IEL-1-S148	1926.5	1.00	71	1926.5		1.5	107.0	107.0	
ILBS1298	1A North	IEL	IEL-1-S2	1160	1.50	64.4	1905.7		2.00	85.9	141.2	
ILBS1299	1A North	IEL	IEL-1-S2	746	1.50	41.4			2.00	55.2		
ILBS1196	1A North	IEL	IEL-1-S20	314	1.50	17.5	314.2		2.00	23.3	23.3	
ILBS1533	1A North	IEL	IEL-1-S23	538	1.50	29.9	1357.5		2.00	39.8	100.6	
ILBS1516	1A North	IEL	IEL-1-S23	820	1.50	45.6			2.00	60.7		
ILBS1256	1A North	IEL	IEL-1-S25	314	1.50	17.5	314.2		2.00	23.3	23.3	
ILBS1253	1A North	IEL	IEL-1-S29	314	1.50	17.5	314.2		2.00	23.3	23.3	
NDTC0123	1A North	IEL	IEL-1-S31	314	2.50	29.1	314.2		3.00	34.9	34.9	
ILBS1252	1A North	IEL	IEL-1-S33	122	4.50	20.4	122.2		5.00	22.6	22.6	
NDTC0109	1A North	IEL	IEL-1-S36	292	2.50	27.0			3.00	32.4		
NDTC0194	1A North	IEL	IEL-1-S36	148	1.50	8.2			2.00	11.0		
NDTC0111	1A North	IEL	IEL-1-S36	343	1.50	19.0	2141.3		2.00	25.4	169.4	

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ILBS1243	1A North	IEL	IEL-1-S36	1193	1.50	66.3			2.00	88.4		
NDTC0108	1A North	IEL	IEL-1-S36	166	1.50	9.2			2.00	12.3		
NDBS0100	1A North	IEL	IEL-1-S37	845	1.50	47.0			2.00	62.6		
ILBS1236	1A North	IEL	IEL-1-S37	1097	1.50	61.0			2.00	81.3		
NDTC0200	1A North	IEL	IEL-1-S37	227	1.50	12.6			2.00	16.8		
ILBS1239A	1A North	IEL	IEL-1-S37	536	1.50	29.8	7713.6		2.00	39.7	571.4	
ILBS1240	1A North	IEL	IEL-1-S37	2722	1.50	151.2			2.00	201.6		
ILBS1238	1A North	IEL	IEL-1-S37	1815	1.50	100.8			2.00	134.5		
ILBS1239	1A North	IEL	IEL-1-S37	471	1.50	26.1			2.00	34.9		
ILBS1246	1A North	IEL	IEL-1-S38	1306	1.50	72.6			2.00	96.8		
NDTC0011D	1A North	IEL	IEL-1-S38	251	1.75	16.3			2.25	20.9		
NDTC0011B	1A North	IEL	IEL-1-S38	505	1.75	32.8			2.25	42.1		
ILBS1245	1A North	IEL	IEL-1-S38	2696	1.50	149.8	5284.1		2.00	199.7	406.3	
NDTC0011E	1A North	IEL	IEL-1-S38	366	1.75	23.8			2.25	30.5		
NDTC0011C	1A North	IEL	IEL-1-S38	93	1.75	6.0			2.25	7.7		
NDTC0011A	1A North	IEL	IEL-1-S38	66	3.00	7.3			3.50	8.5		
NDTC0198	1A North	IEL	IEL-1-S39	312	1.50	17.3			2.00	23.1		
ILBS1241	1A North	IEL	IEL-1-S39	289	1.50	16.1			2.00	21.4		
NDTC0199	1A North	IEL	IEL-1-S39	348	1.50	19.4	2024.5		2.00	25.8	150.0	
NDTC0064	1A North	IEL	IEL-1-S39	315	1.50	17.5			2.00	23.3		
ILBS1242	1A North	IEL	IEL-1-S39	380	1.50	21.1			2.00	28.1		
ILBS1241A	1A North	IEL	IEL-1-S39	380	1.50	21.1			2.00	28.2		
NDTC0102	1A North	IEL	IEL-1-S4	1239	2.50	114.7			3.00	137.6		
NDTC0103	1A North	IEL	IEL-1-S4	346	2.00	25.6	3003.0		2.50	32.0	379.8	
NDTC0104	1A North	IEL	IEL-1-S4	1418	3.50	183.9			4.00	210.1		
ILBS1247	1A North	IEL	IEL-1-S41	427	1.50	23.7	427.2		2.00	31.6	31.6	
NDET4038	1A North	IEL	IEL-1-S43	726	2.00	53.7			2.50	67.2		
NDTC0028	1A North	IEL	IEL-1-S43	1334	1.50	74.1	3711.3		2.00	98.8	288.3	
ILBS1222	1A North	IEL	IEL-1-S43	720	1.50	40.0			2.00	53.4		
ILBS1221	1A North	IEL	IEL-1-S43	932	1.50	51.8			2.00	69.0		
ILBS1077	1A North	IEL	IEL-1-S46	366	1.50	20.3	365.7		2.00	27.1	27.1	
NDET4043	1A North	IEL	IEL-1-S47	163	2.00	12.1			2.50	15.1		
NDET4040	1A North	IEL	IEL-1-S47	100	2.00	7.4	598.9		2.50	9.3	49.2	
ILBS1218	1A North	IEL	IEL-1-S47	140	1.50	7.8			2.00	10.4		
ILBS1217	1A North	IEL	IEL-1-S47	196	1.50	10.9			2.00	14.5		
ILTS05	1A North	IEL	IEL-1-S48	79	2.50	7.3	78.5		3.00	8.7	8.7	
ILST1003	1A North	IEL	IEL-1-S49	79	2.00	5.8	78.5		2.50	7.3	7.3	
ILBS1336	1A North	IEL	IEL-1-S50	578	1.50	32.1			2.00	42.8		
ILBS1335	1A North	IEL	IEL-1-S50	910	1.50	50.6	1840.2		2.00	67.4	142.8	
ILST1001	1A North	IEL	IEL-1-S50	352	2.00	26.1			2.50	32.6		
NDET4046	1A North	IEL	IEL-1-S51	79	2.00	5.8	78.5		2.50	7.3	7.3	

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ILBS1095	1A North	IEL	IEL-1-S51A	362	7.00	93.8			7.50	100.5		
ILBS1098	1A North	IEL	IEL-1-S51A	291	11.00	118.5			11.50	123.8		
ILBS0110	1A North	IEL	IEL-1-S51A	189	2.50	17.5	1715.1		3.00	21.0	555.7	
ILBS1449	1A North	IEL	IEL-1-S51A	511	12.00	226.9			12.50	236.4		
ILBS1100	1A North	IEL	IEL-1-S51A	363	5.00	67.2			5.50	73.9		
NDTC0026	1A North	IEL	IEL-1-S54	489	2.00	36.2			2.50	45.2		
NDBS0101	1A North	IEL	IEL-1-S54	902	1.50	50.1			2.00	66.8		
ILBS1216	1A North	IEL	IEL-1-S54	937	2.00	69.4	3049.1		2.50	86.8	257.5	
NDTC0025	1A North	IEL	IEL-1-S54	284	2.00	21.0			2.50	26.3		
ILBS1214	1A North	IEL	IEL-1-S54	438	1.50	24.3			2.00	32.4		
ILBS1229A	1A North	IEL	IEL-1-S55	213	1.50	11.8	485.9		2.00	15.7	36.0	
ILBS1229	1A North	IEL	IEL-1-S55	273	1.50	15.2			2.00	20.2		
NDET2010	1A North	IEL	IEL-1-S61	278	5.00	51.4	416.8		5.50	56.5	90.1	
NDET3003	1A North	IEL	IEL-1-S61	139	6.00	30.9			6.50	33.5		
NDBS0353	1A North	IEL	IEL-1-S64	2000	6.00	444.5			6.50	481.6		
NDBS0355	1A North	IEL	IEL-1-S64	1046	6.00	232.5			6.50	251.9		
NDET2012	1A North	IEL	IEL-1-S64	701	7.00	181.7	7753.3		7.50	194.7	2,390.4	
NDET1036	1A North	IEL	IEL-1-S64	972	10.00	360.0			10.50	378.0		
NDET1035	1A North	IEL	IEL-1-S64	532	7.50	147.7			8.00	157.5		
ILBS1226	1A North	IEL	IEL-1-S64	2502	9.50	880.4			10.00	926.8		
SM-03-009	1A North	IEL	IEL-1-S66	7980	1.50	443.3			2.00	591.1		
SM-03-015	1A North	IEL	IEL-1-S66	4289	1.50	238.3			2.00	317.7		
SM-03-001	1A North	IEL	IEL-1-S66	4481	1.50	248.9			2.00	331.9		
SM-03-014	1A North	IEL	IEL-1-S66	2292	1.50	127.3			2.00	169.7		
SM-03-012	1A North	IEL	IEL-1-S66	4228	1.50	234.9			2.00	313.2		
NDET4008	1A North	IEL	IEL-1-S66	2700	2.00	200.0			2.50	250.0		
ILBS1203	1A North	IEL	IEL-1-S66	1715	1.50	95.3		55,904.4	2.00	127.0		63,506.7
ILBS1306	1A North	IEL	IEL-1-S66	2428	1.50	134.9			2.00	179.8		
ILBS1307	1A North	IEL	IEL-1-S66	1919	1.50	106.6			2.00	142.2		
ILBS1305	1A North	IEL	IEL-1-S66	5549	1.50	308.3			2.00	411.1		
NDET4008A	1A North	IEL	IEL-1-S66	1397	1.50	77.6			2.00	103.5		
NDET4009	1A North	IEL	IEL-1-S66	2215	2.00	164.1			2.50	205.1		
ILBS1204	1A North	IEL	IEL-1-S66	973	1.50	54.0	59508.0		2.00	72.0	4,587.6	
ILBS1309	1A North	IEL	IEL-1-S66	4328	1.50	240.5			2.00	320.6		
NDTC0006C	1A North	IEL	IEL-1-S66	156	1.75	10.1			2.25	13.0		
NDTC0006B	1A North	IEL	IEL-1-S66	83	1.75	5.4			2.25	6.9		
NDTC0006A	1A North	IEL	IEL-1-S66	100	3.25	12.0			3.75	13.9		
NDBS0364	1A North	IEL	IEL-1-S66	295	1.50	16.4			2.00	21.8		
NDBS0363	1A North	IEL	IEL-1-S66	675	1.50	37.5			2.00	50.0		
ILBS1200	1A North	IEL	IEL-1-S66	1221	1.50	67.8			2.00	90.4		
B1BS1208	1A North	IEL	IEL-1-S66	267	2.50	24.7			3.00	29.7		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
B1BS1194	1A North	IEL	IEL-1-S66	306	1.50	17.0			2.00	22.7		
ILBS1307A	1A North	IEL	IEL-1-S66	3577	1.50	198.7			2.00	265.0		
ILBS1308	1A North	IEL	IEL-1-S66	3790	1.50	210.5			2.00	280.7		
B1BS1054	1A North	IEL	IEL-1-S66	1890	2.50	175.0			3.00	210.0		
B1BS1067	1A North	IEL	IEL-1-S66	655	1.50	36.4			2.00	48.5		
ILBS0210	1A North	IEL	IEL-1-S68	1720	16.00	1019.6			16.50	1051.4		
ILBS0198	1A North	IEL	IEL-1-S68	7232	11.50	3080.1			12.00	3214.0		
ILBS0209	1A North	IEL	IEL-1-S68	1322	11.00	538.4			11.50	562.9		
ILBS1035	1A North	IEL	IEL-1-S68	2867	11.00	1167.9			11.50	1221.0		
ILBS1036	1A North	IEL	IEL-1-S68	3766	2.00	279.0	31519.5		2.50	348.7	11,555.1	
ILBS1034	1A North	IEL	IEL-1-S68	3364	11.00	1370.7			11.50	1433.0		
ILBS1032	1A North	IEL	IEL-1-S68	3200	6.00	711.1			6.50	770.4		
ILBS1426	1A North	IEL	IEL-1-S68	4269	8.00	1264.8			8.50	1343.9		
ILBS1033	1A North	IEL	IEL-1-S68	3779	11.00	1539.8			11.50	1609.8		
ILBS0254	1A North	IEL	IEL-1-S69	5357	2.00	396.8			2.50	496.0		
ILBS0333	1A North	IEL	IEL-1-S69	6961	2.00	515.6			2.50	644.5		
ILBS0224	1A North	IEL	IEL-1-S69	5266	4.25	828.9			4.75	926.4		
ILBS1182	1A North	IEL	IEL-1-S69	12568	4.00	1861.9			4.50	2094.7		
ILBS1181	1A North	IEL	IEL-1-S69	11657	1.50	647.6			2.00	863.5		
ILBS84	1A North	IEL	IEL-1-S69	4193	1.50	233.0			2.00	310.6		
ILBS1155	1A North	IEL	IEL-1-S69	2201	7.00	570.6			7.50	611.4		
ILBS0197	1A North	IEL	IEL-1-S69	7148	11.00	2912.3			11.50	3044.7		
ILBS1475	1A North	IEL	IEL-1-S69	11497	1.50	638.7			2.00	851.6		
ILBS1477	1A North	IEL	IEL-1-S69	13469	7.00	3492.1			7.50	3741.5		
ILBS0336	1A North	IEL	IEL-1-S69	9970	2.00	738.5			2.50	923.2		
ILBS0255	1A North	IEL	IEL-1-S69	8976	2.00	664.9			2.50	831.1		
ILBS0332	1A North	IEL	IEL-1-S69	3792	2.00	280.9			2.50	351.1		
ILBS0223	1A North	IEL	IEL-1-S69	8317	2.00	616.1			2.50	770.1		
ILBS0334	1A North	IEL	IEL-1-S69	14024	2.00	1038.8			2.50	1298.5		
ILBS0200	1A North	IEL	IEL-1-S69	7482	2.00	554.2			2.50	692.8		
ILBS1194	1A North	IEL	IEL-1-S69	5064	4.00	750.3			4.50	844.0		
ILBS1151	1A North	IEL	IEL-1-S69	6680	7.00	1731.9	218395.5		7.50	1855.7	33,821.8	
ILBS1148	1A North	IEL	IEL-1-S69	4193	1.50	232.9			2.00	310.6		
ILBS0164	1A North	IEL	IEL-1-S69	5229	2.00	387.4			2.50	484.2		
ILBS0199	1A North	IEL	IEL-1-S69	5716	2.00	423.4			2.50	529.3		
ILBS1158	1A North	IEL	IEL-1-S69	4621	1.50	256.7			2.00	342.3		
ILBS1149	1A North	IEL	IEL-1-S69	2312	10.50	899.3			11.00	942.1		
ILBS1147	1A North	IEL	IEL-1-S69	1339	11.00	545.7			11.50	570.5		
ILBS1157	1A North	IEL	IEL-1-S69	917	1.50	50.9			2.00	67.9		
ILBS1152	1A North	IEL	IEL-1-S69	2392	1.50	132.9			2.00	177.1		
ILBS1146	1A North	IEL	IEL-1-S69	4730	1.50	262.8			2.00	350.4		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ILBS1156	1A North	IEL	IEL-1-S69	3976	1.50	220.9			2.00	294.5		
ILBS0196	1A North	IEL	IEL-1-S69	3503	2.50	324.4			3.00	389.2		
ILBS1462	1A North	IEL	IEL-1-S69	667	11.00	271.8			11.50	284.2		
ILBS1150	1A North	IEL	IEL-1-S69	378	11.00	154.2			11.50	161.2		
ILBS1079	1A North	IEL	IEL-1-S69	8365	6.00	1858.9			6.50	2013.8		
ILBS1183	1A North	IEL	IEL-1-S69	14436	1.50	802.0			2.00	1069.3		
ILBS1154	1A North	IEL	IEL-1-S69	1544	11.00	629.2			11.50	657.8		
ILBS1145	1A North	IEL	IEL-1-S69	6422	11.00	2616.3			11.50	2735.2		
ILBS1159	1A North	IEL	IEL-1-S69	3031	11.00	1234.7			11.50	1290.8		
ILBS0366	1A North	IEL	IEL-1-S70	994	2.00	73.6			2.50	92.0		
ILBS0367	1A North	IEL	IEL-1-S70	624	1.60	37.0	3640.5		2.10	48.5	410.2	
ILBS0365	1A North	IEL	IEL-1-S70	556	6.00	123.5			6.50	133.8		
ILBS0368	1A North	IEL	IEL-1-S70	1467	2.00	108.6			2.50	135.8		
ILBS0349	1A North	IEL	IEL-1-S71	412	1.50	22.9			2.00	30.5		
ILBS1062	1A North	IEL	IEL-1-S71	1651	5.40	330.1			5.90	360.7		
ILBS0370	1A North	IEL	IEL-1-S71	608	1.72	38.8			2.22	50.0		
ILBS0369	1A North	IEL	IEL-1-S71	391	1.75	25.4			2.25	32.6		
ILBS1071	1A North	IEL	IEL-1-S71	360	7.00	93.5			7.50	100.1		
ILBS1070	1A North	IEL	IEL-1-S71	375	7.00	97.2			7.50	104.2		
ILBS1069	1A North	IEL	IEL-1-S71	1623	1.50	90.1	8701.9		2.00	120.2	1,578.3	
ILET0002	1A North	IEL	IEL-1-S71	550	2.00	40.8			2.50	51.0		
ILBS1446	1A North	IEL	IEL-1-S71	598	10.00	221.5			10.50	232.6		
ILBS1066	1A North	IEL	IEL-1-S71	942	3.40	118.6			3.90	136.0		
ILBS0306	1A North	IEL	IEL-1-S71	144	2.25	12.0			2.75	14.7		
ILBS0249	1A North	IEL	IEL-1-S71	144	6.00	32.1			6.50	34.7		
ILBS1078	1A North	IEL	IEL-1-S71	903	8.80	294.2			9.30	310.9		
ILBS0146	1A North	IEL	IEL-1-S72	1132	4.00	167.8			4.50	188.7		
ILBS1420	1A North	IEL	IEL-1-S72	2793	1.50	155.2			2.00	206.9		
ILBS1022	1A North	IEL	IEL-1-S72	1090	1.50	60.6	6288.1		2.00	80.8	881.8	
ILBS35	1A North	IEL	IEL-1-S72	461	3.00	51.2			3.50	59.7		
ILBS1021	1A North	IEL	IEL-1-S72	812	11.00	330.7			11.50	345.7		
ILBS1137	1A North	IEL	IEL-1-S73	5308	1.50	294.9	9966.1		2.00	393.2	738.2	
ILBS1139	1A North	IEL	IEL-1-S73	4658	1.50	258.8			2.00	345.1		
ILBS1453	1A North	IEL	IEL-1-S74	1438	16.00	852.4			16.50	879.0		
BSBS1041	1A North	IEL	IEL-1-S74	1053	6.00	234.0	4448.0		6.50	253.5	1,766.5	
ILBS1123	1A North	IEL	IEL-1-S74	880	11.00	358.5			11.50	374.8		
ILBS1120	1A Central	IEL	IEL-1-S74	1077	6.00	239.2			6.50	259.2		
ILBS42	1A North	IEL	IEL-1-S76	619	1.50	34.4			2.00	45.8		
ILBS1164	1A North	IEL	IEL-1-S76	1194	1.50	66.3	3290.3		2.00	88.4	243.7	
ILBS1167	1A North	IEL	IEL-1-S76	1478	1.50	82.1			2.00	109.5		
NDET4018	1A North	IEL	IEL-1-S77	688	2.00	51.0			2.50	63.7		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
NDET2002	1A North	IEL	IEL-1-S77	481	1.50	26.7	3108.8		2.00	35.6	243.0	
ILBS1211	1A North	IEL	IEL-1-S77	870	1.50	48.3			2.00	64.4		
ILBS1212	1A North	IEL	IEL-1-S77	1071	1.50	59.5			2.00	79.3		
NDET2018	1A North	IEL	IEL-1-S78	79	1.50	4.4	78.5		2.00	5.8	5.8	
ILBS1264	1A North	IEL	IEL-1-S8	314	1.50	17.5	314.2		2.00	23.3	23.3	
NDET2005	1A North	IEL	IEL-1-S80	79	1.50	4.4	78.5		2.00	5.8	5.8	
ILBS1178	1A North	IEL	IEL-1-S83	314	1.50	17.5	314.2		2.00	23.3	23.3	
B1BS1100	1A North	IEL	IEL-1-S84	314	2.50	29.1	314.2		3.00	34.9	34.9	
NDET4054	1A North	IEL	IEL-1-S86	20	1.50	1.1	109.2		2.00	1.5	9.7	
NDET4004	1A North	IEL	IEL-1-S86	89	2.00	6.6			2.50	8.2		
NDET4002	1A North	IEL	IEL-1-S87	79	2.00	5.8	78.5		2.50	7.3	7.3	
NDET4010	1A North	IEL	IEL-1-S89	79	2.00	5.8	78.5		2.50	7.3	7.3	
NDET4003	1A North	IEL	IEL-1-S90	79	2.00	5.8	78.5		2.50	7.3	7.3	
ILBS1031	1A North	IEL	IEL-1-S93	79	1.50	4.4	78.5		2.00	5.8	5.8	
CNBS0110	1A South	Canyon	CYN-1-S1	647	1.50	35.9	1299.0		2.00	47.9	108.3	
CNBS1013	1A South	Canyon	CYN-1-S1	652	2.00	48.3			2.50	60.4		
CNBS1051	1A South	Canyon	CYN-1-S11	401	1.50	22.3	401.1		2.00	29.7	29.7	
CNBS1032	1A South	Canyon	CYN-1-S12	963	2.00	71.3			2.50	89.1		
CNBS1090	1A South	Canyon	CYN-1-S12	1217	1.50	67.6	3895.6		2.00	90.2	306.4	
CNBS1104	1A South	Canyon	CYN-1-S12	1716	1.50	95.3			2.00	127.1		
CNBS0162	1A South	Canyon	CYN-1-S13	597	2.00	44.2			2.50	55.3		
CNBS1074	1A South	Canyon	CYN-1-S13	444	1.50	24.7	1438.5		2.00	32.9	117.6	
CNBS1016	1A South	Canyon	CYN-1-S13	397	1.50	22.1			2.00	29.4		
CNBS1052	1A South	Canyon	CYN-1-S15	1079	2.00	79.9	3025.2		2.50	99.9	244.1	
CNBS1091	1A South	Canyon	CYN-1-S15	1946	1.50	108.1			2.00	144.2		
CNBS1088	1A South	Canyon	CYN-1-S16	401	1.50	22.3	401.1		2.00	29.7	29.7	
CNBS43	1A South	Canyon	CYN-1-S17	401	2.00	29.7	401.1		2.50	37.1	37.1	
CNBS1009	1A South	Canyon	CYN-1-S2	335	7.00	86.9			7.50	93.1		
CNBS0102	1A South	Canyon	CYN-1-S2	551	1.20	24.5	1197.6		1.70	34.7	179.7	
CNBS1010	1A South	Canyon	CYN-1-S2	312	4.00	46.2			4.50	51.9		
CNBS1011	1A South	Canyon	CYN-1-S3	1697	4.00	251.5			4.50	282.9		
CNBS1100	1A South	Canyon	CYN-1-S3	2516	7.00	652.4			7.50	699.0		
CNBS1021	1A South	Canyon	CYN-1-S3	1398	5.00	258.9	9645.9		5.50	284.7	2,239.8	
CNBS1019	1A South	Canyon	CYN-1-S3	724	1.50	40.2			2.00	53.6		
CNBS1014	1A South	Canyon	CYN-1-S3	3310	7.00	858.3			7.50	919.6		
CNBS1003	1A South	Canyon	CYN-1-S4	426	2.50	39.5	426.1		3.00	47.3	47.3	
CNBS1097	1A South	Canyon	CYN-1-S5	3089	1.50	171.6			2.00	228.8		
CNBS34	1A South	Canyon	CYN-1-S5	5470	2.00	405.2			2.50	506.5		
CNBS1068	1A South	Canyon	CYN-1-S5	2874	1.50	159.7	20584.2	9,293.3	2.00	212.9	1,742.5	11,069.1
CNBS0094	1A South	Canyon	CYN-1-S5	2041	2.00	151.2			2.50	189.0		
CNBS35	1A South	Canyon	CYN-1-S5	4245	2.00	314.4			2.50	393.0		

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CNBS1066	1A South	Canyon	CYN-1-S5	2865	1.50	159.2			2.00	212.2		
CNBS0139	1A South	Canyon	CYN-1-S6	1841	2.50	170.4			3.00	204.5		
CNBS0149	1A South	Canyon	CYN-1-S6	730	4.50	121.7	4432.6		5.00	135.3	629.5	
CNBS0150	1A South	Canyon	CYN-1-S6	576	7.50	160.1			8.00	170.7		
CNBS0083	1A South	Canyon	CYN-1-S6	1285	2.00	95.2			2.50	119.0		
CNBS1042	1A South	Canyon	CYN-1-S7	6947	1.75	450.2			2.25	578.9		
CNBS1076	1A South	Canyon	CYN-1-S7	4887	1.50	271.5			2.00	362.0		
CNBS1035	1A South	Canyon	CYN-1-S7	1213	1.50	67.4			2.00	89.9		
CNBS0086	1A South	Canyon	CYN-1-S7	3686	2.00	273.0			2.50	341.3		
CNBS1017	1A South	Canyon	CYN-1-S7	1313	1.50	73.0			2.00	97.3		
CNBS0090	1A South	Canyon	CYN-1-S7	2350	2.00	174.0			2.50	217.6		
CNBS37	1A South	Canyon	CYN-1-S7	3146	2.00	233.1	40647.4		2.50	291.3	4,253.8	
CNBS0148	1A South	Canyon	CYN-1-S7	2874	5.50	585.4			6.00	638.7		
CNBS0147	1A South	Canyon	CYN-1-S7	2462	5.50	501.6			6.00	547.2		
CNBS0085	1A South	Canyon	CYN-1-S7	5354	2.00	396.6			2.50	495.8		
CNBS1033	1A South	Canyon	CYN-1-S7	1587	2.00	117.5			2.50	146.9		
CNBS0121	1A South	Canyon	CYN-1-S7	2900	2.00	214.8			2.50	268.5		
CNBS0159	1A South	Canyon	CYN-1-S7	1928	2.00	142.8			2.50	178.5		
CNBS1036	1A South	Canyon	CYN-1-S8	401	2.00	29.7	401.2		2.50	37.1	37.1	
CNBS26	1A South	Canyon	CYN-1-S9	2940	6.00	653.3			6.50	707.7		
CNBS0091	1A South	Canyon	CYN-1-S9	2546	2.00	188.6	7699.2		2.50	235.8	1,066.4	
CNBS73	1A South	Canyon	CYN-1-S9	2213	1.00	82.0			1.50	123.0		
HZBS1047	1A South	HVS	HVS-1-S1	1812	1.50	100.7			2.00	134.2		
HZBS1006	1A South	HVS	HVS-1-S1	1697	1.50	94.3	4016.5		2.00	125.7	297.5	
HZBS1005	1A South	HVS	HVS-1-S1	508	1.50	28.2			2.00	37.6		
HZET0729	1A South	HVS	HVS-1-S2	138	6.70	34.2			7.20	36.7		
HZET0731	1A South	HVS	HVS-1-S2	150	6.90	38.4	401.0		7.40	41.2	109.7	
HZET0728	1A South	HVS	HVS-1-S2	113	7.10	29.7			7.60	31.8		
HVBS51	1A South	HVS	HVS-1-S3	401	1.50	22.3	401.2	836.7	2.00	29.7	29.7	1,030.9
HZBS0040	1A South	HVS	HVS-1-S4	401	1.50	22.3	401.1		2.00	29.7	29.7	
HZBS0004	1A South	HVS	HVS-1-S5	1806	2.00	133.8	3934.1		2.50	167.3	443.1	
ILBS1322	1A South	HVS	HVS-1-S5	2128	3.00	236.4			3.50	275.8		
HZBS1067	1A South	HVS	HVS-1-S7	401	2.50	37.1	401.1		3.00	44.6	44.6	
HZBS1224	1A South	HVS	HVS-1-S8	533	1.50	29.6	532.6		2.00	39.5	39.5	
BGSS02	1A South	HVS	HVS-1-S9	401	2.00	29.7	401.1		2.50	37.1	37.1	
LFBS1149	1A South	LETF/CTL-I	LETF-1-S1	2379	1.50	132.2			2.00	176.3		
LFBS0147	1A South	LETF/CTL-I	LETF-1-S1	1147	4.00	170.0			4.50	191.2		
LFBS0152	1A South	LETF/CTL-I	LETF-1-S1	1345	5.66	281.9			6.16	306.8		
LFBS1189	1A South	LETF/CTL-I	LETF-1-S1	3740	1.50	207.8	17007.6		2.00	277.0	2,082.4	
LFBS1188	1A South	LETF/CTL-I	LETF-1-S1	3642	4.00	539.6			4.50	607.1		
LFBS1147	1A South	LETF/CTL-I	LETF-1-S1	2897	1.50	161.0			2.00	214.6		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
LFBS1058	1A South	LETF/CTL-I	LETF-1-S1	1857	4.00	275.1			4.50	309.5		
LFBS1067	1A South	LETF/CTL-I	LETF-1-S10	350	2.00	25.9			2.50	32.4		
LFBS1068	1A South	LETF/CTL-I	LETF-1-S10	512	2.00	37.9			2.50	47.4		
LFBS0134	1A South	LETF/CTL-I	LETF-1-S10	320	2.00	23.7	1719.2		2.50	29.6	151.8	
LFBS42	1A South	LETF/CTL-I	LETF-1-S10	401	1.50	22.3			2.00	29.7		
LFBS1226	1A South	LETF/CTL-I	LETF-1-S10	137	2.00	10.1			2.50	12.6		
LFBS52	1A South	LETF/CTL-I	LETF-1-S11	401	1.50	22.3	401.1		2.00	29.7	29.7	
LFTS12	1A South	LETF/CTL-I	LETF-1-S12	401	8.00	118.9	401.1		8.50	126.3	126.3	
LFBS1005	1A South	LETF/CTL-I	LETF-1-S13	150	7.00	38.9	149.9		7.50	41.6	41.6	
LFBS43	1A South	LETF/CTL-I	LETF-1-S14	160	2.00	11.8			2.50	14.8		
LFBS45	1A South	LETF/CTL-I	LETF-1-S14	218	1.50	12.1	489.1		2.00	16.1	39.2	
LFBS44	1A South	LETF/CTL-I	LETF-1-S14	112	1.50	6.2			2.00	8.3		
LFBS24	1A South	LETF/CTL-I	LETF-1-S15	401	1.50	22.3	401.1		2.00	29.7	29.7	
LFBS1158	1A South	LETF/CTL-I	LETF-1-S16	401	1.50	22.3	401.1		2.00	29.7	29.7	
LFBS0162	1A South	LETF/CTL-I	LETF-1-S17	401	6.00	89.1	401.2		6.50	96.6	96.6	
LFBS04	1A South	LETF/CTL-I	LETF-1-S18	401	1.50	22.3	401.2		2.00	29.7	29.7	
LFBS1185	1A South	LETF/CTL-I	LETF-1-S19	2021	1.50	112.3	4654.7		2.00	149.7	344.8	
LFBS1212	1A South	LETF/CTL-I	LETF-1-S19	2634	1.50	146.3			2.00	195.1		
LFBS1050	1A South	LETF/CTL-I	LETF-1-S2	505	2.50	46.7			3.00	56.1		
LFBS0144	1A South	LETF/CTL-I	LETF-1-S2	963	10.00	356.5	2046.7		10.50	374.3	564.5	
LFBS59	1A South	LETF/CTL-I	LETF-1-S2	579	5.75	123.4			6.25	134.1		
LFBS1100	1A South	LETF/CTL-I	LETF-1-S21	401	6.00	89.1	401.2		6.50	96.6	96.6	
ENBS0084	1A South	LETF/CTL-I	LETF-1-S22	256	1.50	14.2			2.00	18.9		
ENBS0094	1A South	LETF/CTL-I	LETF-1-S22	375	1.50	20.9	860.6		2.00	27.8	63.7	
ENBS0096	1A South	LETF/CTL-I	LETF-1-S22	230	1.50	12.8			2.00	17.0		
LFBS1043	1A South	LETF/CTL-I	LETF-1-S23	401	1.50	22.3	401.2		2.00	29.7	29.7	
LFET0203	1A South	LETF/CTL-I	LETF-1-S24	418	3.50	54.1			4.00	61.9		
LFET0100	1A South	LETF/CTL-I	LETF-1-S24	534	3.00	59.4	1140.5		3.50	69.2	153.5	
LFET0202	1A South	LETF/CTL-I	LETF-1-S24	189	2.70	18.9			3.20	22.4		
LFBS0211	1A South	LETF/CTL-I	LETF-1-S25	401	1.50	22.3	401.2	6,642.5	2.00	29.7	29.7	7,904.5
LFBS0212	1A South	LETF/CTL-I	LETF-1-S27	730	1.50	40.5			2.00	54.0		
LFBS1136	1A South	LETF/CTL-I	LETF-1-S27	742	3.00	82.4	2167.3		3.50	96.1	343.6	
LFBS1137	1A South	LETF/CTL-I	LETF-1-S27	696	7.00	180.5			7.50	193.4		
ENBS0036	1A South	LETF/CTL-I	LETF-1-S28	117	1.25	5.4	241.3		1.75	7.6	16.8	
ENBS0133	1A South	LETF/CTL-I	LETF-1-S28	125	1.50	6.9			2.00	9.2		
LFR-3	1A South	LETF/CTL-I	LETF-1-S29	1317	1.70	83.0			2.20	107.3		
LFBS0173	1A South	LETF/CTL-I	LETF-1-S29	3970	2.50	367.6	6395.8		3.00	441.1	650.0	
LFBS1021	1A South	LETF/CTL-I	LETF-1-S29	1015	2.00	75.2			2.50	94.0		
LFSS02	1A South	LETF/CTL-I	LETF-1-S29	93	1.70	5.9			2.20	7.6		
LFBS0191	1A South	LETF/CTL-I	LETF-1-S3	243	2.00	18.0	243.4		2.50	22.5	22.5	
	1A South	LETF/CTL-I	LETF-1-S32	207.6	1.00	8	207.6		1.50	11.5	11.5	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
	1A South	LETF/CTL-I	LETF-1-S33	399.8	1.00	15	399.8		1.50	22.2	22.2	
LFBS0130	1A South	LETF/CTL-I	LETF-1-S4	737	2.00	54.6			2.50	68.2		
LFBS1045	1A South	LETF/CTL-I	LETF-1-S4	480	3.00	53.3	1782.5		3.50	62.2	266.6	
LFBS1049	1A South	LETF/CTL-I	LETF-1-S4	566	6.00	125.7			6.50	136.1		
LFBS88	1A South	LETF/CTL-I	LETF-1-S5	1093	2.00	81.0			2.50	101.2		
LFBS89	1A South	LETF/CTL-I	LETF-1-S5	1131	2.00	83.8	2944.6		2.50	104.7	259.3	
LFBS1148	1A South	LETF/CTL-I	LETF-1-S5	720	1.50	40.0			2.00	53.3		
LFST1000	1A South	LETF/CTL-I	LETF-1-S6	401	2.00	29.7	401.2		2.50	37.1	37.1	
LFBS1181	1A South	LETF/CTL-I	LETF-1-S7	1673	1.50	92.9			2.00	123.9		
LFBS1031	1A South	LETF/CTL-I	LETF-1-S7	1375	1.50	76.4	12273.0		2.00	101.8	909.1	
LFBS1182	1A South	LETF/CTL-I	LETF-1-S7	2167	1.50	120.4			2.00	160.5		
LFBS1019	1A South	LETF/CTL-I	LETF-1-S7	7058	1.50	392.1			2.00	522.8		
LFBS39	1A South	LETF/CTL-I	LETF-1-S8	1004	2.00	74.4			2.50	93.0		
LFBS1160	1A South	LETF/CTL-I	LETF-1-S8	837	6.00	186.0			6.50	201.5		
LFBS54	1A South	LETF/CTL-I	LETF-1-S8	1065	1.00	39.4			1.50	59.1		
LFBS36	1A South	LETF/CTL-I	LETF-1-S8	442	1.50	24.5			2.00	32.7		
LFBS1084	1A South	LETF/CTL-I	LETF-1-S8	723	2.00	53.6			2.50	67.0		
LFBS62	1A South	LETF/CTL-I	LETF-1-S8	834	2.00	61.8	9014.3		2.50	77.2	1,352.1	
LFTS19S02	1A South	LETF/CTL-I	LETF-1-S8	1378	10.00	510.5			10.50	536.0		
LFBS31	1A South	LETF/CTL-I	LETF-1-S8	1120	1.50	62.2			2.00	83.0		
LFBS0129	1A South	LETF/CTL-I	LETF-1-S8	409	6.50	98.4			7.00	106.0		
LFBS38	1A South	LETF/CTL-I	LETF-1-S8	410	2.00	30.4			2.50	37.9		
LFBS37	1A South	LETF/CTL-I	LETF-1-S8	793	1.50	44.0			2.00	58.7		
LFBS1196	1A South	LETF/CTL-I	LETF-1-S9	401	4.50	66.9	401.2		5.00	74.3	74.3	
BABS2058	1B North	Bowl	BOWL-1-S10	1616	1.50	89.8			2.00	119.7		
BABS06	1B North	Bowl	BOWL-1-S10	2116	6.00	470.3			6.50	509.5		
B-4-03	1B North	Bowl	BOWL-1-S10	895	1.50	49.7			2.00	66.3		
B-4-02	1B North	Bowl	BOWL-1-S10	870	1.50	48.3	10042.4		2.00	64.4	1,253.2	
BABS2061	1B North	Bowl	BOWL-1-S10	1573	1.50	87.4			2.00	116.5		
BABS09	1B North	Bowl	BOWL-1-S10	1915	1.50	106.4			2.00	141.9		
BABS1019B	1B North	Bowl	BOWL-1-S10	1057	5.50	215.3			6.00	234.9		
BABS2132	1B North	Bowl	BOWL-1-S11	489	1.50	27.1			2.00	36.2		
BABS2023	1B North	Bowl	BOWL-1-S11	98	2.50	9.1	1457.7		3.00	10.9	162.7	
BATS15	1B North	Bowl	BOWL-1-S11	306	6.00	68.1			6.50	73.7		
BABS3021	1B North	Bowl	BOWL-1-S11	565	1.50	31.4			2.00	41.8		
BABS2000	1B North	Bowl	BOWL-1-S12	138	1.50	7.7	346.7		2.00	10.2	29.5	
BABS1011	1B North	Bowl	BOWL-1-S12	209	2.00	15.4			2.50	19.3		
BABS1010	1A North	Bowl	BOWL-1-S13	395	2.00	29.2			2.50	36.5		
BABS2001	1A North	Bowl	BOWL-1-S13	260	1.50	14.5	943.9		2.00	19.3	136.1	
BABS1029	1A North	Bowl	BOWL-1-S13	289	7.00	74.9			7.50	80.3		
BABS52	1B North	Bowl	BOWL-1-S14	647	17.00	407.5			17.50	419.5		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
BABS2067	1B North	Bowl	BOWL-1-S14	548	7.00	142.2	2115.5		7.50	152.3	776.2	
BATS05	1B North	Bowl	BOWL-1-S14	920	5.50	187.4			6.00	204.4		
BABS1118	1B North	Bowl	BOWL-1-S15	230	1.50	12.8			2.00	17.1		
BABS2019	1B North	Bowl	BOWL-1-S15	203	1.50	11.3	770.0		2.00	15.1	125.6	
BABS1090	1B North	Bowl	BOWL-1-S15	337	7.00	87.3			7.50	93.5		
BABS2085	1B North	Bowl	BOWL-1-S16	241	1.50	13.4	609.1		2.00	17.9	120.0	
BABS1030	1B North	Bowl	BOWL-1-S16	368	7.00	95.3			7.50	102.2		
BABS1100	1B North	Bowl	BOWL-1-S2	186	2.00	13.8	185.9		2.50	17.2	17.2	
BABS2054	1B North	Bowl	BOWL-1-S21	365	1.50	20.3	364.9		2.00	27.0	27.0	
BABS1075	1B North	Bowl	BOWL-1-S22	653	2.00	48.4	1244.4		2.50	60.5	104.3	
BABS1033	1B North	Bowl	BOWL-1-S22	591	1.50	32.8			2.00	43.8		
BABS2041	1B North	Bowl	BOWL-1-S26	395	1.50	22.0	395.4		2.00	29.3	29.3	
BABS1038	1B North	Bowl	BOWL-1-S27	438	2.00	32.4	437.9		2.50	40.5	40.5	
BABS1015	1B North	Bowl	BOWL-1-S29	445	1.50	24.7	1001.6	5,337.2	2.00	33.0	74.2	6,032.0
BABS1117	1B North	Bowl	BOWL-1-S29	556	1.50	30.9			2.00	41.2		
BABS3047	1B North	Bowl	BOWL-1-S31	294	1.50	16.3	293.9		2.00	21.8	21.8	
BABS1081	1B North	Bowl	BOWL-1-S33	528	2.00	39.1	527.8		2.50	48.9	48.9	
BABS1054	1B North	Bowl	BOWL-1-S34	397	1.50	22.1	397.4		2.00	29.4	29.4	
BABS3017	1B North	Bowl	BOWL-1-S37	858	2.50	79.4	857.9		3.00	95.3	95.3	
BABS2059	1B North	Bowl	BOWL-1-S38	372	7.00	96.5	372.2		7.50	103.4	103.4	
BABS2050	1B North	Bowl	BOWL-1-S4	281	2.50	26.0	281.1		3.00	31.2	31.2	
BABS1003	1B North	Bowl	BOWL-1-S40	540	7.00	140.0	539.8		7.50	149.9	149.9	
BABS1025	1B North	Bowl	BOWL-1-S42	469	2.00	34.7	468.9		2.50	43.4	43.4	
BABS1125	1B North	Bowl	BOWL-1-S43	432	1.50	24.0	432.0		2.00	32.0	32.0	
BABS49	1B North	Bowl	BOWL-1-S44	347	1.50	19.3	710.3		2.00	25.7	59.3	
BABS1062	1B North	Bowl	BOWL-1-S44	363	2.00	26.9			2.50	33.6		
BABS1017	1B North	Bowl	BOWL-1-S45	348	2.00	25.8	348.3		2.50	32.3	32.3	
BABS2057	1B North	Bowl	BOWL-1-S46	378	1.50	21.0	377.6		2.00	28.0	28.0	
B-4-07	1B North	Bowl	BOWL-1-S5	113	1.00	4.2			1.50	6.3		
BABS1170	1B North	Bowl	BOWL-1-S5	412	9.50	144.9	1538.4		10.00	152.5	478.7	
BABS1173	1B North	Bowl	BOWL-1-S5	939	8.50	295.7			9.00	313.1		
BASS02	1B North	Bowl	BOWL-1-S5	74	2.00	5.5			2.50	6.9		
	1B North	Bowl	BOWL-1-S500	2753	10.00	1,020	2752.7		10.50	1070.5	1,070.5	
BABS1171	1B North	Bowl	BOWL-1-S6	70	10.50	27.2	69.8		11.00	28.4	28.4	
BABS1023	1B North	Bowl	BOWL-1-S7	760	2.00	56.3	1052.6		2.50	70.4	92.1	
BABS1085	1B North	Bowl	BOWL-1-S7	292	1.50	16.2			2.00	21.7		
BABS1055	1B North	Bowl	BOWL-1-S8	600	2.00	44.4			2.50	55.6		
BABS1132	1B North	Bowl	BOWL-1-S8	487	1.50	27.0			2.00	36.1		
BABS2073	1B North	Bowl	BOWL-1-S8	870	5.00	161.1	4595.4		5.50	177.3	622.7	
BABS1163	1B North	Bowl	BOWL-1-S8	584	1.50	32.5			2.00	43.3		
BABS1140	1B North	Bowl	BOWL-1-S8	1046	1.25	48.4			1.75	67.8		

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
BABS1139	1B North	Bowl	BOWL-1-S8	1009	6.00	224.1			6.50	242.8		
BABS1131	1B North	Bowl	BOWL-1-S9	846	1.50	47.0	1990.7		2.00	62.7	168.7	
BABS1031	1B North	Bowl	BOWL-1-S9	1144	2.00	84.8			2.50	106.0		
R1BS01	1B North	R-1 Pond	R1-1-S1	1798	3.00	199.8			3.50	233.1		
R1BS18	1B North	R-1 Pond	R1-1-S1	3161	2.00	234.2			2.50	292.7		
R1BS1028	1B North	R-1 Pond	R1-1-S1	1826	2.00	135.2	12838.2		2.50	169.1	2,470.2	
R1BS03	1B North	R-1 Pond	R1-1-S1	1252	2.00	92.8			2.50	116.0		
R1BS0022	1B North	R-1 Pond	R1-1-S1	2933	10.00	1086.5			10.50	1140.8		
R1BS1018	1B North	R-1 Pond	R1-1-S1	1867	7.00	484.0			7.50	518.6		
R1BS09	1B North	R-1 Pond	R1-1-S11	344	3.00	38.2	568.2		3.50	44.6	90.3	
R1TS01S01	1B North	R-1 Pond	R1-1-S11	224	5.00	41.5			5.50	45.7		
R1BS06	1B North	R-1 Pond	R1-1-S2	1677	5.00	310.6			5.50	341.6		
R1BS0021	1B North	R-1 Pond	R1-1-S2	5838	3.00	648.7	11358.5		3.50	756.8	1,656.5	
R1BS1031	1B North	R-1 Pond	R1-1-S2	1560	5.50	317.7			6.00	346.6		
R1BS1023	1B North	R-1 Pond	R1-1-S2	2283	2.00	169.1			2.50	211.4		
R1BS3007	1B North	R-1 Pond	R1-1-S3	5250	22.00	4277.9			22.50	4375.2		
R1BS19	1B North	R-1 Pond	R1-1-S3	1066	3.00	118.5	6959.5		3.50	138.2	4,715.8	
R1BS2067	1B North	R-1 Pond	R1-1-S3	643	8.00	190.6			8.50	202.5		
B-5-01	1B North	R-1 Pond	R1-1-S5	172	1.50	9.5	2157.0		2.00	12.7	674.5	
R1BS1029	1B North	R-1 Pond	R1-1-S5	1985	8.50	625.0			9.00	661.8		
R1BS2018	1B North	R-1 Pond	R1-1-S6	1305	6.20	299.8			6.70	324.0		
R1BS1061	1B North	R-1 Pond	R1-1-S6	1740	2.00	128.9	3569.9		2.50	161.1	630.8	
R1BS1030	1B North	R-1 Pond	R1-1-S6	525	7.00	136.0			7.50	145.7		
R1BS1011	1B North	R-1 Pond	R1-1-S12	56	7.00	14.6	56.4		7.50	15.7	15.7	
R1BS3001	1B North	R-1 Pond	R1-1-S13	150	6.00	33.2	149.5		6.50	36.0	36.0	
R1BS3000	1B North	R-1 Pond	R1-1-S14	269	1.50	15.0	269.5	10,497.8	2.00	20.0	20.0	11,378.1
R1BS2099	1B North	R-1 Pond	R1-1-S15	383	2.50	35.5	383.3		3.00	42.6	42.6	
R1BS2093	1B North	R-1 Pond	R1-1-S17	296	1.50	16.5	296.5		2.00	22.0	22.0	
R1BS2095	1B North	R-1 Pond	R1-1-S18	347	1.40	18.0	545.8		1.90	24.4	37.7	
R1BS2096	1B North	R-1 Pond	R1-1-S18	199	1.30	9.6			1.80	13.3		
R1BS2092	1B North	R-1 Pond	R1-1-S19	512	1.50	28.4	511.8		2.00	37.9	37.9	
R1BS1009	1B North	R-1 Pond	R1-1-S20	1344	2.00	99.5			2.50	124.4		
R1BS2063	1B North	R-1 Pond	R1-1-S20	931	2.50	86.2			3.00	103.4		
R1BS2073	1B North	R-1 Pond	R1-1-S20	143	12.00	63.6	3595.6		12.50	66.2	563.7	
R1BS1007	1B North	R-1 Pond	R1-1-S20	223	7.00	57.8			7.50	61.9		
R1BS1006	1B North	R-1 Pond	R1-1-S20	610	7.00	158.2			7.50	169.5		
R1BS2062	1B North	R-1 Pond	R1-1-S20	345	2.50	32.0			3.00	38.3		
R1BS2311	1B North	R-1 Pond	R1-1-S21	165	1.50	9.2	362.3		2.00	12.3	26.8	
R1BS2312	1B North	R-1 Pond	R1-1-S21	197	1.50	10.9			2.00	14.6		
R1BS1043	1B North	R-1 Pond	R1-1-S22	228	2.00	16.9			2.50	21.1		
R1BS2041	1B North	R-1 Pond	R1-1-S22	189	4.50	31.5	1109.8		5.00	35.0	114.6	

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
R1BS1072	1B North	R-1 Pond	R1-1-S22	384	2.00	28.4	1109.8		2.50	35.5	114.0	
R1BS2039	1B North	R-1 Pond	R1-1-S22	309	1.50	17.2			2.00	22.9		
R1BS2008	1B North	R-1 Pond	R1-1-S23	309	1.50	17.2	309.4		2.00	22.9	22.9	
	1B North	R-1 Pond	R1-1-S16	400	1.00	15	399.9		1.5	22.2	22.2	
R1BS2059	1B North	R-1 Pond	R1-1-S25	1230	2.00	91	1229.9		2.5	113.9	113.9	
UBBS3022	1B North	R-1 Pond	R1-1-S24	865	1.50	48.1	865.3		2.00	64.1	64.1	
CLBS2065	1B SE	CTL-III	CTL-III-1-S1	316	1.50	17.5			2.00	23.4		
CLBS19	1B SE	CTL-III	CTL-III-1-S1	276	1.50	15.4	714.2		2.00	20.5	52.9	
CLBS49	1B SE	CTL-III	CTL-III-1-S1	122	1.50	6.8			2.00	9.0		
CLBS2035	1B SE	CTL-III	CTL-III-1-S10	1151	1.50	64.0			2.00	85.3		
CLST1001	1B SE	CTL-III	CTL-III-1-S10	1026	2.00	76.0			2.50	95.0		
CLBS3054	1B SE	CTL-III	CTL-III-1-S10	1597	5.00	295.7	5477.9		5.50	325.2	637.8	
CLST1002	1B SE	CTL-III	CTL-III-1-S10	326	2.00	24.2			2.50	30.2		
CLBS2120	1B SE	CTL-III	CTL-III-1-S10	1378	1.50	76.5			2.00	102.0		
CLBS1045	1B SE	CTL-III	CTL-III-1-S11	665	7.00	172.4	664.8		7.50	184.7	184.7	
CLBS3047	1B SE	CTL-III	CTL-III-1-S13	401	1.50	22.3	401.1		2.00	29.7	29.7	
CLBS35	1B SE	CTL-III	CTL-III-1-S16	113	1.50	6.3	215.1		2.00	8.4	15.9	
CLBS2031	1B SE	CTL-III	CTL-III-1-S16	102	1.50	5.7			2.00	7.5		
CLBS62	1B SE	CTL-III	CTL-III-1-S18	464	2.50	43.0	1001.9		3.00	51.6	131.2	
CLTS1100	1B SE	CTL-III	CTL-III-1-S18	537	3.50	69.7			4.00	79.6		
CLBS2143	1B SE	CTL-III	CTL-III-1-S19	1398	1.50	77.6	1397.6		2.00	103.5	103.5	
CLBS2162	1B SE	CTL-III	CTL-III-1-S2	46	1.50	2.6	46.5		2.00	3.4	3.4	
CLST1003	1B SE	CTL-III	CTL-III-1-S20	306	2.00	22.7	680.0		2.50	28.3	56.0	
CLBS2037	1B SE	CTL-III	CTL-III-1-S20	374	1.50	20.8			2.00	27.7		
CLBS1104	1B SE	CTL-III	CTL-III-1-S21	401	2.00	29.7	401.2		2.50	37.1	37.1	
CLBS1100	1B SE	CTL-III	CTL-III-1-S22	1000	2.00	74.1	1727.0		2.50	92.6	146.5	
CLBS1176	1B SE	CTL-III	CTL-III-1-S22	727	1.50	40.4			2.00	53.8		
CLBS1237	1B SE	CTL-III	CTL-III-1-S23	1723	7.00	446.8	1723.3		7.50	478.7	478.7	
CLBS1191	1B SE	CTL-III	CTL-III-1-S24	167	1.00	6.2			1.50	9.3		
CLBS1193	1B SE	CTL-III	CTL-III-1-S24	494	3.00	54.9	734.5		3.50	64.1	78.1	
CLBS1192	1B SE	CTL-III	CTL-III-1-S24	73	1.25	3.4			1.75	4.7		
CLBS2149	1B SE	CTL-III	CTL-III-1-S25	834	1.50	46.3	1606.9		2.00	61.8	119.0	
CLBS2148	1B SE	CTL-III	CTL-III-1-S25	773	1.50	42.9			2.00	57.3		
CLBS1219	1B SE	CTL-III	CTL-III-1-S26	754	2.50	69.8	1480.0		3.00	83.8	164.4	
CLBS1220	1B SE	CTL-III	CTL-III-1-S26	726	2.50	67.2			3.00	80.7		
CLBS1023	1B SE	CTL-III	CTL-III-1-S27	312	2.00	23.1	635.5		2.50	28.9	52.9	
CLBS2018	1B SE	CTL-III	CTL-III-1-S27	323	1.50	17.9			2.00	23.9		
CLBS2150	1B SE	CTL-III	CTL-III-1-S28	401	2.00	29.7	401.1		2.50	37.1	37.1	
CLBS59	1B SE	CTL-III	CTL-III-1-S3	300	1.50	16.6	529.9		2.00	22.2	43.5	
CLBS2121	1B SE	CTL-III	CTL-III-1-S3	230	2.00	17.1			2.50	21.3		
CLBS22	1B SE	CTL-III	CTL-III-1-S30	264	2.50	24.4	263.9		3.00	29.3	29.3	

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Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CLBS2060	1B SE	CTL-III	CTL-III-1-S31	763	2.00	56.6	763.5		2.50	70.7	70.7	
CLBS28	1B SE	CTL-III	CTL-III-1-S32	401	1.50	22.3	401.2		2.00	29.7	29.7	
CLBS2080	1B SE	CTL-III	CTL-III-1-S33	79	1.50	4.4	78.5		2.00	5.8	5.8	
CLBS2102	1B SE	CTL-III	CTL-III-1-S34	188	1.50	10.4	187.8	14,103.1	2.00	13.9	13.9	16,186.1
CLBS1229	1B SE	CTL-III	CTL-III-1-S35	5943	9.92	2182.7	5942.5		10.42	2292.7	2,292.7	
CLBS2049	1B SE	CTL-III	CTL-III-1-S36	406	5.50	82.7	406.1		6.00	90.2	90.2	
CLBS1126	1B SE	CTL-III	CTL-III-1-S4	401	1.50	22.3	401.1		2.00	29.7	29.7	
	1B SE	CTL-III	CTL-III-1-S5	966	11.70	419	966.2		12.20	436.6	436.6	
CLBS2063	1B SE	CTL-III	CTL-III-1-S8	2046	5.00	378.9			5.50	416.8		
CLBS1235	1B SE	CTL-III	CTL-III-1-S8	2006	3.00	222.9			3.50	260.0		
CLBS1238	1B SE	CTL-III	CTL-III-1-S8	1803	3.00	200.3	11882.5		3.50	233.7	1,493.1	
CLBS1236	1B SE	CTL-III	CTL-III-1-S8	2449	3.00	272.1			3.50	317.4		
CLBS2103	1B SE	CTL-III	CTL-III-1-S8	3579	1.50	198.8			2.00	265.1		
	1B SE	CTL-III	CTL-III-1-SV1	2174	6.00	483	2174.1		6.50	523.4	523.4	
	1B SE	CTL-III	CTL-III-1-SV2	3672	5.50	748	3671.9		6.00	816.0	816.0	
CLBS1026	1B SE	CTL-III	CTL-III-1-SV3/S6	3285	2.00	243.3	5044.9		2.50	304.1	727.9	
CLBS1050	1B SE	CTL-III	CTL-III-1-SV3/S6	1760	6.00	391.2			6.50	423.8		
CLBS09	1B SE	CTL-III	CTL-III-1-SV4/S7	2229	1.50	123.8			2.00	165.1		
CLBS2061	1B SE	CTL-III	CTL-III-1-SV4/S7	1517	2.00	112.4			2.50	140.5		
CLBS1058	1B SE	CTL-III	CTL-III-1-SV4/S7	608	2.00	45.0	9369.2		2.50	56.3	1,428.1	
CLBS1057	1B SE	CTL-III	CTL-III-1-SV4/S7	2165	2.00	160.3			2.50	200.4		
CLBS1150	1B SE	CTL-III	CTL-III-1-SV4/S7	2851	7.70	813.0			8.20	865.8		
CLBS2057	1B SE	CTL-III	CTL-III-1-SV5/S9	1592	1.50	88.4	1591.7		2.00	117.9	117.9	
CLBS1209	1B SE	CTL-III	CTL-III-1-SV6/S12	772	2.50	71.5			3.00	85.8		
CLBS1043	1B SE	CTL-III	CTL-III-1-SV6/S12	2873	2.00	212.8	6423.8		2.50	266.0	557.6	
CLBS2028	1B SE	CTL-III	CTL-III-1-SV6/S12	2779	1.50	154.4			2.00	205.8		
CLBS2019	1B SE	CTL-III	CTL-III-1-SV7/S14	5437	1.50	302.1			2.00	402.7		
CLBS1213	1B SE	CTL-III	CTL-III-1-SV7/S14	6207	2.50	574.7			3.00	689.7		
CLBS1233	1B SE	CTL-III	CTL-III-1-SV7/S14	7690	3.00	854.5	26044.6		3.50	996.9	2,894.3	
CLBS1212	1B SE	CTL-III	CTL-III-1-SV7/S14	3504	2.50	324.5			3.00	389.4		
CLBS1234	1B SE	CTL-III	CTL-III-1-SV7/S14	3206	3.00	356.2			3.50	415.6		
CLBS2012	1B SE	CTL-III	CTL-III-1-SV8/S15	718	2.50	66.5			3.00	79.8		
CLBS2032	1B SE	CTL-III	CTL-III-1-SV8/S15	1779	7.00	461.1	3389.3		7.50	494.1	920.9	
CLBS2133	1B SE	CTL-III	CTL-III-1-SV8/S15	893	10.00	330.6			10.50	347.1		
CLBS32	1B SE	CTL-III	CTL-III-1-SV9/S17	2547	1.50	141.5			2.00	188.7		
CLBS01	1B SE	CTL-III	CTL-III-1-SV9/S17	4009	1.50	222.7			2.00	297.0		
CLSS06	1B SE	CTL-III	CTL-III-1-SV9/S17	998	1.50	55.4	13241.9		2.00	73.9	1,306.0	
CLBS46	1B SE	CTL-III	CTL-III-1-SV9/S17	686	1.50	38.1			2.00	50.8		
CLBS04	1B SE	CTL-III	CTL-III-1-SV9/S17	3407	1.50	189.3			2.00	252.4		
CLBS1015	1B SE	CTL-III	CTL-III-1-SV9/S17	1596	7.00	413.8			7.50	443.3		
CLBS2087	1B SE	CTL-III	CTL-III-1-S29	401	1.50	22.3	401.2		2.00	29.7	29.7	

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PPSS03	1B SE	Perim Pond	PP-1-S1	6248	1.50	347.1			2.00	462.8		
PPSS01	1B SE	Perim Pond	PP-1-S1	3902	1.50	216.8			2.00	289.0		
PPBS02	1B SE	Perim Pond	PP-1-S1	1452	3.00	161.3			3.50	188.2		
PPBS1010	1B SE	Perim Pond	PP-1-S1	4090	7.00	1060.3			7.50	1136.1		
PPBS1012	1B SE	Perim Pond	PP-1-S1	2391	2.00	177.1	31871.3		2.50	221.4	5,071.4	
PPBS0005	1B SE	Perim Pond	PP-1-S1	4536	6.00	1008.0			6.50	1092.0		
PPBS0004	1B SE	Perim Pond	PP-1-S1	1690	4.00	250.3		4,738.8	4.50	281.6		5,375.3
PPBS1002	1B SE	Perim Pond	PP-1-S1	3783	2.00	280.2			2.50	350.3		
PPBS1037	1B SE	Perim Pond	PP-1-S1	3780	7.00	980.1			7.50	1050.1		
PPBS1014	1B SE	Perim Pond	PP-1-S2	745	2.00	55.2			2.50	69.0		
PPTS03	1B SE	Perim Pond	PP-1-S2	324	5.00	60.0	2499.9		5.50	66.0	303.9	
PPTS07	1B SE	Perim Pond	PP-1-S2	491	4.00	72.7			4.50	81.8		
PPBS3001	1B SE	Perim Pond	PP-1-S2	940	2.00	69.6			2.50	87.0		
	1B SW	AIBP	AIBP-1-S26	137.6	1.00	5	137.6		1.5	7.65	7.6	
	1B SW	AIBP	AIBP-1-S27	398.0	1.00	15	398.0		1.5	22.11	22.1	
TTBS08	1B SW	AIBP	AIBP-1-S1	1259	1.42	66.2			1.92	89.5		
TTBS31	1B SW	AIBP	AIBP-1-S1	594	1.50	33.0			2.00	44.0		
TTBS1011	1B SW	AIBP	AIBP-1-S1	721	1.50	40.1			2.00	53.4		
TTBS1004	1B SW	AIBP	AIBP-1-S1	282	1.50	15.6			2.00	20.9		
SB_TTF-1	1B SW	AIBP	AIBP-1-S1	134	1.50	7.4			2.00	9.9		
TTBS1017	1B SW	AIBP	AIBP-1-S1	758	1.50	42.1			2.00	56.2		
TTBS77	1B SW	AIBP	AIBP-1-S1	521	1.50	28.9			2.00	38.6		
TTBS78	1B SW	AIBP	AIBP-1-S1	776	1.50	43.1			2.00	57.5		
TTBS1016	1B SW	AIBP	AIBP-1-S1	1914	5.50	389.9			6.00	425.3		
TTBS1010	1B SW	AIBP	AIBP-1-S1	1000	1.50	55.6			2.00	74.1		
TTBS2041	1B SW	AIBP	AIBP-1-S1	730	1.50	40.5			2.00	54.1		
TTTS1001	1B SW	AIBP	AIBP-1-S1	18	1.50	1.0			2.00	1.3		
TTBS1019	1B SW	AIBP	AIBP-1-S1	257	5.00	47.6			5.50	52.3		
SB_TTF_DR1	1B SW	AIBP	AIBP-1-S1	91	1.50	5.0			2.00	6.7		
SB_TTF_DR2	1B SW	AIBP	AIBP-1-S1	99	1.50	5.5			2.00	7.3		
SB_TTF_DR4	1B SW	AIBP	AIBP-1-S1	40	1.50	2.2			2.00	2.9		
SB_TTFD-04	1B SW	AIBP	AIBP-1-S1	87	1.50	4.8			2.00	6.4		
SB_TTFD-02	1B SW	AIBP	AIBP-1-S1	271	1.50	15.1			2.00	20.1		
TTBS2210	1B SW	AIBP	AIBP-1-S1	132	7.50	36.7	12825.1		8.00	39.2	1,568.8	
TTBS1006	1B SW	AIBP	AIBP-1-S1	252	5.00	46.7			5.50	51.4		
TTBS80	1B SW	AIBP	AIBP-1-S1	24	1.50	1.4			2.00	1.8		
SB_TTF-3	1B SW	AIBP	AIBP-1-S1	111	1.50	6.1			2.00	8.2		
SB_TTFD-01	1B SW	AIBP	AIBP-1-S1	79	1.50	4.4			2.00	5.8		
SB_TTFD-03	1B SW	AIBP	AIBP-1-S1	34	1.50	1.9			2.00	2.5		
TTBS79	1B SW	AIBP	AIBP-1-S1	24	1.50	1.3			2.00	1.8		
TTBS1015	1B SW	AIBP	AIBP-1-S1	257	6.00	57.2			6.50	62.0		

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TTBS32	1B SW	AIBP	AIBP-1-S1	260	1.50	14.5			2.00	19.3		
TTBS1007	1B SW	AIBP	AIBP-1-S1	289	1.50	16.1			2.00	21.4		
TTBS1003	1B SW	AIBP	AIBP-1-S1	169	2.00	12.5			2.50	15.6		
SB_TTF-2	1B SW	AIBP	AIBP-1-S1	187	1.50	10.4			2.00	13.8		
TTTS1002	1B SW	AIBP	AIBP-1-S1	143	1.50	8.0			2.00	10.6		
TTTS1003	1B SW	AIBP	AIBP-1-S1	135	1.50	7.5			2.00	10.0		
TTBS1013	1B SW	AIBP	AIBP-1-S1	262	3.20	31.1			3.70	35.9		
SB_TTF-4	1B SW	AIBP	AIBP-1-S1	48	3.50	6.3			4.00	7.2		
TTBS1014	1B SW	AIBP	AIBP-1-S1	232	4.00	34.4			4.50	38.7		
TTTS1000	1B SW	AIBP	AIBP-1-S1	92	4.75	16.2			5.25	17.9		
TTBS1012	1B SW	AIBP	AIBP-1-S1	75	7.00	19.5			7.50	20.9		
TTBS1002	1B SW	AIBP	AIBP-1-S1	466	9.00	155.5			9.50	164.1		
SB_TTF-37	1B SW	AIBP	AIBP-1-S10	265	1.50	14.7			2.00	19.6		
SB_TTF-38	1B SW	AIBP	AIBP-1-S10	120	1.50	6.7			2.00	8.9		
TTBS1077	1B SW	AIBP	AIBP-1-S10	453	1.50	25.2			2.00	33.6		
SB_TTF-12	1B SW	AIBP	AIBP-1-S10	550	1.50	30.6			2.00	40.8		
SB_TTF-18	1B SW	AIBP	AIBP-1-S10	568	1.50	31.5			2.00	42.0		
SB_TTF-20	1B SW	AIBP	AIBP-1-S10	236	1.50	13.1			2.00	17.5		
SB_TTF-19	1B SW	AIBP	AIBP-1-S10	213	5.50	43.3			6.00	47.3		
TTBS1075	1B SW	AIBP	AIBP-1-S10	657	12.00	292.1			12.50	304.3		
TTBS1076	1B SW	AIBP	AIBP-1-S10	349	1.50	19.4			2.00	25.8		
TTBS24	1B SW	AIBP	AIBP-1-S10	40	2.00	3.0	5819.4		2.50	3.7	973.8	
SB_TTF-35	1B SW	AIBP	AIBP-1-S10	98	1.50	5.4			2.00	7.2		
SB_TTF-34	1B SW	AIBP	AIBP-1-S10	12	1.50	0.7			2.00	0.9		
SB_TTF-33	1B SW	AIBP	AIBP-1-S10	56	5.50	11.5			6.00	12.5		
SB_TTF-31	1B SW	AIBP	AIBP-1-S10	150	1.50	8.3			2.00	11.1		
TTBS1073	1B SW	AIBP	AIBP-1-S10	130	1.50	7.2			2.00	9.7		
TTBS1248	1B SW	AIBP	AIBP-1-S10	747	3.50	96.9			4.00	110.7		
SB_TTF-36	1B SW	AIBP	AIBP-1-S10	136	1.50	7.6			2.00	10.1		
TTTS1009	1B SW	AIBP	AIBP-1-S10	285	1.50	15.8			2.00	21.1		
TTBS1051	1B SW	AIBP	AIBP-1-S10	475	6.50	114.3			7.00	123.1		
SB_TTF-32	1B SW	AIBP	AIBP-1-S10	279	11.50	118.7			12.00	123.9		
TTBS1125	1B SW	AIBP	AIBP-1-S11	695	1.50	38.6	695.0		2.00	51.5	51.5	
TTTS1034	1B SW	AIBP	AIBP-1-S12	159	1.50	8.8	259.5		2.00	11.8	19.2	
TTTS1035	1B SW	AIBP	AIBP-1-S12	101	1.50	5.6			2.00	7.5		
TTBS1129	1B SW	AIBP	AIBP-1-S14	585	1.50	32.5			2.00	43.4		
TTBS2084	1B SW	AIBP	AIBP-1-S14	518	11.00	211.1	1924.9		11.50	220.7	324.9	
CTBS3023	1B SW	AIBP	AIBP-1-S14	821	1.50	45.6			2.00	60.8		
TTBS1188	1B SW	AIBP	AIBP-1-S15	206	7.60	57.9	205.6		8.10	61.7	61.7	
TTBS1189	1B SW	AIBP	AIBP-1-S16	84	1.50	4.7	84.0		2.00	6.2	6.2	
TTBS1118	1B SW	AIBP	AIBP-1-S17	153	1.50	8.5	153.5		2.00	11.4	11.4	

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SB_TTF-6	1B SW	AIBP	AIBP-1-S18	383	1.50	21.3	383.3		2.00	28.4	28.4	
SB_TTF-11	1B SW	AIBP	AIBP-1-S19	497	1.50	27.6	496.5		2.00	36.8	36.8	
TTBS1120	1B SW	AIBP	AIBP-1-S2	856	1.50	47.6	856.5		2.00	63.4	63.4	
CTBS1017	1B SW	AIBP	AIBP-1-S20	593	2.00	43.9	592.6		2.50	54.9	54.9	
TTBS1126	1B SW	AIBP	AIBP-1-S21	268	5.00	49.7	268.1		5.50	54.6	54.6	
TTBS1079	1B SW	AIBP	AIBP-1-S26	138	1.50	7.6	137.6		2.00	10.2	10.2	
TTBS1123	1B SW	AIBP	AIBP-1-S27	398	1.40	20.6	398.0		1.90	28.0	28.0	
TTBS1184	1B SW	AIBP	AIBP-1-S28	400	1.50	22.2	400.1		2.00	29.6	29.6	
SB_TTF-16	1B SW	AIBP	AIBP-1-S3	730	1.50	40.5	729.9	7,977.2	2.00	54.1	54.1	9,183.0
SB_TTF-10	1B SW	AIBP	AIBP-1-S4	268	1.50	14.9			2.00	19.9		
TR_TTF_0229-15	1B SW	AIBP	AIBP-1-S4	59	4.00	8.7			4.50	9.8		
TTBS1039	1B SW	AIBP	AIBP-1-S4	991	6.90	253.1			7.40	271.5		
TTBS1035	1B SW	AIBP	AIBP-1-S4	186	10.50	72.2	2346.5		11.00	75.6	499.9	
TTBS1037	1B SW	AIBP	AIBP-1-S4	120	1.50	6.7			2.00	8.9		
SB_TTF-13	1B SW	AIBP	AIBP-1-S4	74	1.50	4.1			2.00	5.5		
TTBS2233	1B SW	AIBP	AIBP-1-S4	412	1.50	22.9			2.00	30.5		
TTBS1036	1B SW	AIBP	AIBP-1-S4	237	8.40	73.8			8.90	78.2		
SB_TTF-9	1B SW	AIBP	AIBP-1-S5	230	1.50	12.8			2.00	17.0		
TTBS1028	1B SW	AIBP	AIBP-1-S5	267	1.50	14.8	659.4		2.00	19.8	93.9	
TTBS1029	1B SW	AIBP	AIBP-1-S5	162	9.00	54.1			9.50	57.1		
SB_TTF-8	1B SW	AIBP	AIBP-1-S6	826	1.50	45.9			2.00	61.2		
TTTS1004	1B SW	AIBP	AIBP-1-S6	690	4.00	102.2	3435.2		4.50	115.0	318.3	
SB_TTF_RR-8	1B SW	AIBP	AIBP-1-S6	1423	1.50	79.0			2.00	105.4		
TTBS45	1B SW	AIBP	AIBP-1-S6	497	1.50	27.6			2.00	36.8		
SB_TTF-30	1B SW	AIBP	AIBP-1-S7	650	1.50	36.1	649.7		2.00	48.1	48.1	
SB_TTF-14	1B SW	AIBP	AIBP-1-S8	263	1.50	14.6	500.5		2.00	19.5	37.1	
SB_TTF-15	1B SW	AIBP	AIBP-1-S8	237	1.50	13.2			2.00	17.6		
TTTS1011	1B SW	AIBP	AIBP-1-S9	501	20.50	380.1			21.00	389.4		
TTBS1148	1B SW	AIBP	AIBP-1-S9	832	0.00	0.0			0.50	15.4		
TTTS1043	1B SW	AIBP	AIBP-1-S9	308	17.50	199.7			18.00	205.4		
TTTS1010	1B SW	AIBP	AIBP-1-S9	467	1.50	25.9			2.00	34.6		
TTBS1180A	1B SW	AIBP	AIBP-1-S9	663	1.50	36.9			2.00	49.1		
TTBS1095	1B SW	AIBP	AIBP-1-S9	187	13.00	90.2			13.50	93.7		
TTBS1149	1B SW	AIBP	AIBP-1-S9	662	3.75	91.9			4.25	104.1		
TTBS1094	1B SW	AIBP	AIBP-1-S9	610	1.50	33.9			2.00	45.2		
SB_TTF-23	1B SW	AIBP	AIBP-1-S9	469	1.50	26.1			2.00	34.8		
TTBS1056	1B SW	AIBP	AIBP-1-S9	572	1.50	31.8			2.00	42.4		
TTBS49	1B SW	AIBP	AIBP-1-S9	861	1.50	47.9			2.00	63.8		
TTBS1057	1B SW	AIBP	AIBP-1-S9	560	11.00	228.0			11.50	238.3		
TTBS2017	1B SW	AIBP	AIBP-1-S9	1713	1.50	95.1			2.00	126.9		
TTBS2240	1B SW	AIBP	AIBP-1-S9	588	11.00	239.5			11.50	250.4		

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TTBS1055	1B SW	AIBP	AIBP-1-S9	1058	1.50	58.8			2.00	78.4		
TTBS1110	1B SW	AIBP	AIBP-1-S9	562	1.50	31.2			2.00	41.7		
TTBS1040	1B SW	AIBP	AIBP-1-S9	312	5.00	57.8			5.50	63.5		
TTBS23	1B SW	AIBP	AIBP-1-S9	554	1.50	30.8			2.00	41.0		
SB_TTF-27	1B SW	AIBP	AIBP-1-S9	669	1.50	37.1			2.00	49.5		
TTBS15	1B SW	AIBP	AIBP-1-S9	1097	1.05	42.7			1.55	63.0		
TTBS1101	1B SW	AIBP	AIBP-1-S9	1065	1.50	59.1			2.00	78.9		
TTBS17	1B SW	AIBP	AIBP-1-S9	925	1.50	51.4			2.00	68.5		
TTBS2241	1B SW	AIBP	AIBP-1-S9	320	11.00	130.4			11.50	136.4		
TTBS22	1B SW	AIBP	AIBP-1-S9	248	1.50	13.8			2.00	18.4		
SB_TTF-39	1B SW	AIBP	AIBP-1-S9	528	1.50	29.3			2.00	39.1		
SB_TTF-42	1B SW	AIBP	AIBP-1-S9	475	1.50	26.4			2.00	35.2		
SB_TTF-43	1B SW	AIBP	AIBP-1-S9	536	1.50	29.8			2.00	39.7		
TTBS1085	1B SW	AIBP	AIBP-1-S9	447	8.00	132.5			8.50	140.8		
SB_TTF-44	1B SW	AIBP	AIBP-1-S9	471	1.50	26.2			2.00	34.9		
TTBS67	1B SW	AIBP	AIBP-1-S9	254	1.50	14.1	30753.7		2.00	18.8	4,778.4	
TTBS1102	1B SW	AIBP	AIBP-1-S9	633	5.50	128.9			6.00	140.6		
TTBS1100	1B SW	AIBP	AIBP-1-S9	626	5.00	116.0			5.50	127.6		
TTBS66	1B SW	AIBP	AIBP-1-S9	501	1.50	27.9			2.00	37.1		
TTBS1103	1B SW	AIBP	AIBP-1-S9	424	7.00	110.1			7.50	117.9		
TTBS1083	1B SW	AIBP	AIBP-1-S9	289	5.00	53.4			5.50	58.8		
TTTS1015	1B SW	AIBP	AIBP-1-S9	339	1.50	18.8			2.00	25.1		
TTBS1099	1B SW	AIBP	AIBP-1-S9	140	2.00	10.4			2.50	13.0		
TTBS35	1B SW	AIBP	AIBP-1-S9	193	1.50	10.7			2.00	14.3		
TTTS1012	1B SW	AIBP	AIBP-1-S9	443	5.00	82.1			5.50	90.3		
TTBS2235	1B SW	AIBP	AIBP-1-S9	378	5.50	77.0			6.00	84.0		
TTBS1179	1B SW	AIBP	AIBP-1-S9	509	7.00	132.0			7.50	141.4		
SB_TTF-17	1B SW	AIBP	AIBP-1-S9	235	1.50	13.0			2.00	17.4		
SB_TTF-41	1B SW	AIBP	AIBP-1-S9	476	1.50	26.5			2.00	35.3		
SB_TTF-40	1B SW	AIBP	AIBP-1-S9	259	3.50	33.6			4.00	38.4		
SB_TTF-22	1B SW	AIBP	AIBP-1-S9	572	1.50	31.8			2.00	42.4		
SB_TTF-25	1B SW	AIBP	AIBP-1-S9	288	1.50	16.0			2.00	21.3		
SB_TTF-26	1B SW	AIBP	AIBP-1-S9	285	1.50	15.8			2.00	21.1		
TTBS1091	1B SW	AIBP	AIBP-1-S9	531	1.50	29.5			2.00	39.3		
SB_TTF-24	1B SW	AIBP	AIBP-1-S9	259	1.50	14.4			2.00	19.2		
TTBS53	1B SW	AIBP	AIBP-1-S9	467	1.50	26.0			2.00	34.6		
TTBS1097	1B SW	AIBP	AIBP-1-S9	347	10.00	128.5			10.50	134.9		
TTBS1096	1B SW	AIBP	AIBP-1-S9	326	6.00	72.5			6.50	78.5		
TTBS52	1B SW	AIBP	AIBP-1-S9	955	1.50	53.1			2.00	70.8		
TTBS1092	1B SW	AIBP	AIBP-1-S9	535	8.30	164.4			8.80	174.3		
SB_TTF-28	1B SW	AIBP	AIBP-1-S9	159	5.50	32.4			6.00	35.4		

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TTTS1013	1B SW	AIBP	AIBP-1-S9	352	4.00	52.2			4.50	58.7		
TTBS1098	1B SW	AIBP	AIBP-1-S9	1028	4.80	182.7			5.30	201.8		
TTTS1044	1B SW	AIBP	AIBP-1-S9	580	9.50	203.9			10.00	214.6		
TTBS1090	1B SW	AIBP	AIBP-1-S9	111	11.50	47.3			12.00	49.3		
CTBS18	1B SW	CTL-V	CTL-V-1-S1	794	1.50	44.1	793.7		2.00	58.8	58.8	
CTBS07	1B SW	CTL-V	CTL-V-1-S10	1292	1.50	71.8	3905.4		2.00	95.7	298.0	
CTBS05	1B SW	CTL-V	CTL-V-1-S10	1729	1.50	96.1			2.00	128.1		
CTBS1038	1B SW	CTL-V	CTL-V-1-S10	678	2.00	50.2			2.50	62.8		
CTSS02	1B SW	CTL-V	CTL-V-1-S10	206	1.00	7.6			1.50	11.4		
CTBS2046	1B SW	CTL-V	CTL-V-1-S11	329	1.50	18.3	329.2		2.00	24.4	24.4	
CTBS3029	1B SW	CTL-V	CTL-V-1-S12	2699	7.00	699.8	2699.2		7.50	749.8	749.8	
CTBS2011	1B SW	CTL-V	CTL-V-1-S13	358	1.50	19.9	2727.9		2.00	26.6	513.3	
CTBS2067	1B SW	CTL-V	CTL-V-1-S13	839	7.00	217.4			7.50	233.0		
CTBS2063	1B SW	CTL-V	CTL-V-1-S13	569	2.50	52.7			3.00	63.2		
CTBS1139	1B SW	CTL-V	CTL-V-1-S13	459	2.50	42.5			3.00	51.0		
CTBS1020	1B SW	CTL-V	CTL-V-1-S13	502	7.00	130.2			7.50	139.5		
CTBS08	1B SW	CTL-V	CTL-V-1-S14	108	1.50	6.0	211.6		2.00	8.0	17.6	
CTBS1012	1B SW	CTL-V	CTL-V-1-S14	103	2.00	7.6			2.50	9.6		
CTBS1103	1B SW	CTL-V	CTL-V-1-S15	1386	2.00	102.6	1385.6		2.50	128.3	128.3	
CTBS1138	1B SW	CTL-V	CTL-V-1-S16	210	4.00	31.1	209.9		4.50	35.0	35.0	
CTBS11	1B SW	CTL-V	CTL-V-1-S17	2177	1.50	120.9	2176.8		2.00	161.2	161.2	
CTBS2111	1B SW	CTL-V	CTL-V-1-S2	586	1.25	27.1	3159.7		1.75	38.0	185.7	
TTSS07	1B SW	CTL-V	CTL-V-1-S2	2574	1.05	100.1			1.55	147.8		
CTBS2121	1B SW	CTL-V	CTL-V-1-S3	661	2.50	61.2	660.8		3.00	73.4	73.4	
CTBS1040	1B SW	CTL-V	CTL-V-1-S4	236	6.00	52.4	493.4		6.50	56.7	75.8	
CTBS2021	1B SW	CTL-V	CTL-V-1-S4	258	1.50	14.3			2.00	19.1		
CTBS1037	1B SW	CTL-V	CTL-V-1-S5	1298	2.00	96.2	3261.7		2.50	120.2	487.5	
CTBS1009	1B SW	CTL-V	CTL-V-1-S5	389	2.00	28.8			2.50	36.0		
CTBS2014	1B SW	CTL-V	CTL-V-1-S5	1058	6.00	235.1			6.50	254.7		
CTBS1141	1B SW	CTL-V	CTL-V-1-S5	516	3.50	66.9		5,824.6	4.00	76.5		6,955.9
CTBS2040	1B SW	CTL-V	CTL-V-1-S6	2049	1.50	113.8	3064.7		2.00	151.8	245.8	
CTBS1018	1B SW	CTL-V	CTL-V-1-S6	1016	2.00	75.3			2.50	94.1		
CTBS1005	1B SW	CTL-V	CTL-V-1-S7	957	2.00	70.9	10139.0		2.50	88.6	1,567.2	
CTBS1147	1B SW	CTL-V	CTL-V-1-S7	554	6.00	123.1			6.50	133.4		
CTBS1152	1B SW	CTL-V	CTL-V-1-S7	1267	5.00	234.7			5.50	258.2		
CTBS1022	1B SW	CTL-V	CTL-V-1-S7	898	7.00	232.8			7.50	249.4		
CTBS02	1B SW	CTL-V	CTL-V-1-S7	464	1.50	25.8			2.00	34.3		
CTBS1144	1B SW	CTL-V	CTL-V-1-S7	722	5.00	133.7			5.50	147.0		
CTBS1000	1B SW	CTL-V	CTL-V-1-S7	929	6.00	206.4			6.50	223.6		
CTBS1036	1B SW	CTL-V	CTL-V-1-S7	1670	2.00	123.7			2.50	154.7		
CTBS1001	1B SW	CTL-V	CTL-V-1-S7	1058	2.00	78.4			2.50	98.0		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CTBS2084	1B SW	CTL-V	CTL-V-1-S7	1619	2.50	149.9			3.00	179.9		
CTBS3032	1B SW	CTL-V	CTL-V-1-S8	241	4.00	35.7	240.7		4.50	40.1	40.1	
CTBS3035	1B SW	CTL-V	CTL-V-1-S9	4776	1.50	265.4			2.00	353.8		
CTBS2051	1B SW	CTL-V	CTL-V-1-S9	2586	1.50	143.6			2.00	191.5		
TTBS3061	1B SW	CTL-V	CTL-V-1-S9	1347	1.20	59.9			1.70	84.8		
CTBS2050	1B SW	CTL-V	CTL-V-1-S9	421	1.50	23.4			2.00	31.2		
CTBS2052	1B SW	CTL-V	CTL-V-1-S9	2149	1.50	119.4	22770.9		2.00	159.2	1,686.3	
TTBS3072	1B SW	CTL-V	CTL-V-1-S9	7576	1.50	420.9			2.00	561.2		
CTBS1109	1B SW	CTL-V	CTL-V-1-S9	1836	1.50	102.0			2.00	136.0		
CTBS1014	1B SW	CTL-V	CTL-V-1-S9	1154	2.00	85.5			2.50	106.9		
TTBS3071	1B SW	CTL-V	CTL-V-1-S9	925	1.30	44.5			1.80	61.7		
	1B SW	CTL-V	CTL-V-1-SV1	2376.0	6.00	528	2376.0		6.50	572.0	572.0	
CTBS13	1B SW	CTL-V	CTL-V-1-S18	216	1.50	12.0	480.4		2.00	16.0	35.6	
CTBS15	1B SW	CTL-V	CTL-V-1-S18	264	1.50	14.7			2.00	19.6		
ECTS03S01	5/9 North	ECL	ECL-1-S1	1506	4.50	251.1			5.00	279.0		
ECSS01	5/9 North	ECL	ECL-1-S1	2731	2.00	202.3			2.50	252.9		
D-5-05	5/9 North	ECL	ECL-1-S1	1977	2.00	146.4			2.50	183.1		
ECBS1003	5/9 North	ECL	ECL-1-S1	1604	6.50	386.2	16711.6		7.00	415.9	2,150.8	
ECBS1001	5/9 North	ECL	ECL-1-S1	1393	5.00	257.9			5.50	283.7		
ECTS02S01	5/9 North	ECL	ECL-1-S1	475	2.50	44.0			3.00	52.7		
ECTS06S01	5/9 North	ECL	ECL-1-S1	4404	2.50	407.8			3.00	489.3		
ECBS2056	5/9 North	ECL	ECL-1-S1	2621	1.50	145.6			2.00	194.2		
ECBS1007	5/9 North	ECL	ECL-1-S2	1183	2.00	87.7			2.50	109.6		
SB_STE-I3	5/9 North	ECL	ECL-1-S2	4512	2.50	417.8			3.00	501.3		
ECSS02	5/9 North	ECL	ECL-1-S2	631	2.00	46.7		4,775.1	2.50	58.4		5,624.9
ECBS3019	5/9 North	ECL	ECL-1-S2	3647	1.50	202.6			2.00	270.1		
ECBS1032	5/9 North	ECL	ECL-1-S2	3184	2.00	235.8	19303.2		2.50	294.8	1,821.1	
SB_STE-01	5/9 North	ECL	ECL-1-S2	1849	1.50	102.7			2.00	136.9		
ECBS2036	5/9 North	ECL	ECL-1-S2	467	5.00	86.6			5.50	95.2		
D-5-03	5/9 North	ECL	ECL-1-S2	709	2.00	52.5			2.50	65.7		
D-5-02	5/9 North	ECL	ECL-1-S2	3121	2.00	231.2			2.50	289.0		
ECBS3027	5/9 North	ECL	ECL-1-S3	798	1.50	44.3	5717.6		2.00	59.1	605.7	
ECBS2042	5/9 North	ECL	ECL-1-S3	4920	2.50	455.5			3.00	546.7		
ECBS3038	5/9 North	ECL	ECL-1-S4	165	1.50	9.1	164.6		2.00	12.2	12.2	
	5/9 North	ECL	ECL-1-S5	3992.6	6.50	961	3992.6		7	1035.1	1,035.1	
D-2-02	5/9 North	Silvernale	SN-1-S1	2912	1.50	161.8			2.00	215.7		
SNBS1005	5/9 North	Silvernale	SN-1-S1	6352	2.00	470.5			2.50	588.1		
SNBS2045	5/9 North	Silvernale	SN-1-S1	2376	4.50	396.1			5.00	440.1		
SNBS1007	5/9 North	Silvernale	SN-1-S1	2408	3.50	312.1			4.00	356.7		
SNFS01	5/9 North	Silvernale	SN-1-S1	3112	1.50	172.9			2.00	230.5		
SNBS1008	5/9 North	Silvernale	SN-1-S1	4395	2.00	325.6			2.50	406.9		

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SNFS02	5/9 North	Silvernale	SN-1-S1	2691	1.50	149.5			2.00	199.3		
SNBS1002	5/9 North	Silvernale	SN-1-S1	4851	2.00	359.3			2.50	449.2		
D-2-03	5/9 North	Silvernale	SN-1-S1	3252	1.50	180.7			2.00	240.9		
SNBS1006	5/9 North	Silvernale	SN-1-S1	5457	2.00	404.2			2.50	505.2		
SNBS1009	5/9 North	Silvernale	SN-1-S1	6241	2.00	462.3			2.50	577.9		
SNBS1003	5/9 North	Silvernale	SN-1-S1	5118	2.00	379.1	80429.6		2.50	473.9	7,747.4	
SNFS03	5/9 North	Silvernale	SN-1-S1	676	1.50	37.5			2.00	50.1		
SNFS04	5/9 North	Silvernale	SN-1-S1	1938	1.50	107.7			2.00	143.6		
SNBS1001	5/9 North	Silvernale	SN-1-S1	4052	2.00	300.2			2.50	375.2		
SNSS01	5/9 North	Silvernale	SN-1-S1	1391	1.50	77.3			2.00	103.0		
SNBS20	5/9 North	Silvernale	SN-1-S1	2471	3.00	274.5			3.50	320.3		
SNBS1004	5/9 North	Silvernale	SN-1-S1	4256	2.00	315.3			2.50	394.1		
SNBS21	5/9 North	Silvernale	SN-1-S1	2348	3.00	260.8			3.50	304.3		
SNBS1010	5/9 North	Silvernale	SN-1-S1	5703	2.00	422.5			2.50	528.1		
SNBS1011	5/9 North	Silvernale	SN-1-S1	4741	2.00	351.2			2.50	439.0		
D-2-01	5/9 North	Silvernale	SN-1-S1	2502	1.50	139.0			2.00	185.3		
SNBS1000	5/9 North	Silvernale	SN-1-S1	1188	4.50	198.0			5.00	220.0		
SNBS09	5/9 North	Silvernale	SN-1-S2	1476	1.50	82.0			2.00	109.3		
SNBS03	5/9 North	Silvernale	SN-1-S2	2921	1.50	162.3			2.00	216.4		
SNBS1025	5/9 North	Silvernale	SN-1-S2	4926	2.00	364.9			2.50	456.1		
SNBS10	5/9 North	Silvernale	SN-1-S2	3434	1.50	190.8			2.00	254.3		
SNBS1020	5/9 North	Silvernale	SN-1-S2	3017	2.00	223.5			2.50	279.4		
SNBS11	5/9 North	Silvernale	SN-1-S2	3641	5.00	674.3		15,959.9	5.50	741.8		18,887.6
SNBS1022	5/9 North	Silvernale	SN-1-S2	1589	2.00	117.7	38342.1		2.50	147.2	5,072.5	
SNBS17	5/9 North	Silvernale	SN-1-S2	2128	1.50	118.2			2.00	157.6		
SNBS1032	5/9 North	Silvernale	SN-1-S2	3616	2.00	267.9			2.50	334.9		
SNBS2040	5/9 North	Silvernale	SN-1-S2	1633	1.50	90.7			2.00	121.0		
SNBS18	5/9 North	Silvernale	SN-1-S2	2765	2.00	204.8			2.50	256.0		
SNBS2039	5/9 North	Silvernale	SN-1-S2	5575	7.00	1445.2			7.50	1548.5		
SNBS2049	5/9 North	Silvernale	SN-1-S2	1620	7.00	420.1			7.50	450.1		
SNBS2038	5/9 North	Silvernale	SN-1-S3	405	1.50	22.5			2.00	30.0		
SNBS1036	5/9 North	Silvernale	SN-1-S3	417	1.50	23.2			2.00	30.9		
SNBS2015	5/9 North	Silvernale	SN-1-S3	160	1.50	8.9	2396.4		2.00	11.8	359.8	
SNBS3030	5/9 North	Silvernale	SN-1-S3	187	1.50	10.4			2.00	13.8		
SNBS2010	5/9 North	Silvernale	SN-1-S3	977	5.00	181.0			5.50	199.1		
SNBS3028	5/9 North	Silvernale	SN-1-S3	250	7.50	69.5			8.00	74.1		
SNBS1015	5/9 North	Silvernale	SN-1-S4	4268	1.67	264.0			2.17	343.0		
SNBS2006	5/9 North	Silvernale	SN-1-S4	1216	5.00	225.3			5.50	247.8		
SNBS3004	5/9 North	Silvernale	SN-1-S4	3117	7.00	808.2			7.50	865.9		
SNBS3050	5/9 North	Silvernale	SN-1-S4	1508	4.50	251.4			5.00	279.3		
SNBS1014	5/9 North	Silvernale	SN-1-S4	1541	1.50	85.6			2.00	114.1		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SNBS3055	5/9 North	Silvernale	SN-1-S4	4044	1.50	224.7	23173.7		2.00	299.6	3,631.0	
SNBS2028	5/9 North	Silvernale	SN-1-S4	2205	7.00	571.7			7.50	612.6		
SNBS1039	5/9 North	Silvernale	SN-1-S4	373	2.00	27.6			2.50	34.5		
SNBS3051	5/9 North	Silvernale	SN-1-S4	972	1.50	54.0			2.00	72.0		
SNBS1040	5/9 North	Silvernale	SN-1-S4	1778	2.00	131.7			2.50	164.6		
SNBS3052	5/9 North	Silvernale	SN-1-S4	2151	7.00	557.8			7.50	597.6		
SNBS2029	5/9 North	Silvernale	SN-1-S7	11428	4.00	1693.0	11428.0		4.50	1904.7	1,904.7	
SNBS3046	5/9 North	Silvernale	SN-1-S5	1095	1.50	60.8			2.00	81.1		
SNBS2012	5/9 North	Silvernale	SN-1-S5	992	1.50	55.1	2325.8		2.00	73.5	172.3	
SNBS2007	5/9 North	Silvernale	SN-1-S5	238	1.50	13.2			2.00	17.7		
UNBS1016	5/9 North	UA of 5/9 N	59N-UA-1-S1	4488	5.00	831.1			5.50	914.2		
UNBS1012	5/9 North	UA of 5/9 N	59N-UA-1-S1	4323	5.00	800.6	12065.0	2,234.3	5.50	880.7	2,457.7	2,457.7
UNBS1010	5/9 North	UA of 5/9 N	59N-UA-1-S1	3254	5.00	602.6			5.50	662.8		
CFBS1006	5/9 South	Compound A	CompoundA-1-S1	478	2.00	35.4			2.50	44.3		
CFBS06	5/9 South	Compound A	CompoundA-1-S1	363	1.50	20.2	1226.6		2.00	26.9	106.8	
CFTS01	5/9 South	Compound A	CompoundA-1-S1	385	2.00	28.5			2.50	35.6		
CFSS01	5/9 South	Compound A	CompoundA-1-S10	53	1.50	3.0			2.00	3.9		
CFBS11	5/9 South	Compound A	CompoundA-1-S10	28	1.50	1.5			2.00	2.0		
CFBS10	5/9 South	Compound A	CompoundA-1-S10	67	1.50	3.7	290.7		2.00	4.9	23.0	
CFBS12	5/9 South	Compound A	CompoundA-1-S10	62	1.50	3.4			2.00	4.6		
D-1-03	5/9 South	Compound A	CompoundA-1-S10	82	2.00	6.0			2.50	7.6		
	5/9 South	Compound A	CompoundA-1-S11	1340	8.00	397	1340.1		8.50	421.9	421.9	
CFBS2018	5/9 South	Compound A	CompoundA-1-S12	102	1.50	5.6	101.6		2.00	7.5	7.5	
CFBS3059	5/9 South	Compound A	CompoundA-1-S13	827	1.50	45.9			2.00	61.2		
CFBS3058	5/9 South	Compound A	CompoundA-1-S13	373	1.50	20.7	2368.5		2.00	27.6	175.4	
CFBS3029	5/9 South	Compound A	CompoundA-1-S13	1169	1.50	64.9			2.00	86.6		
P2TS48	5/9 South	Compound A	CompoundA-1-S14	875	3.00	97.3	875.5		3.50	113.5	113.5	
CFBS3041	5/9 South	Compound A	CompoundA-1-S15	933	1.50	51.8	932.7		2.00	69.1	69.1	
CFBS1401	5/9 South	Compound A	CompoundA-1-S16	878	7.00	227.7			7.50	244.0		
CFBS1001	5/9 South	Compound A	CompoundA-1-S16	690	5.00	127.7	2818.5		5.50	140.5	500.3	
CFBS1002	5/9 South	Compound A	CompoundA-1-S16	1251	2.00	92.6			2.50	115.8		
CFBS1404	5/9 South	Compound A	CompoundA-1-S17	443	2.00	32.8	442.8		2.50	41.0	41.0	
CFBS3033	5/9 South	Compound A	CompoundA-1-S2	6692	1.50	371.8			2.00	495.7		
CFBS1013	5/9 South	Compound A	CompoundA-1-S2	2403	2.00	178.0			2.50	222.5		
CFBS3009	5/9 South	Compound A	CompoundA-1-S2	3122	1.50	173.5	22091.2	6,806.1	2.00	231.3	1,722.2	8,104.7
CFBS3010	5/9 South	STP-3	CompoundA-1-S2	4325	1.50	240.3			2.00	320.4		
CFBS1012	5/9 South	Compound A	CompoundA-1-S2	2233	2.00	165.4			2.50	206.8		
CFBS2014	5/9 South	Compound A	CompoundA-1-S2	3316	1.50	184.2			2.00	245.6		
CFBS2005	5/9 South	Compound A	CompoundA-1-S3	1121	1.50	62.3	1120.8		2.00	83.0	83.0	
SLBS2002	5/9 South	Compound A	CompoundA-1-S4	606	7.00	157.1	605.8		7.50	168.3	168.3	
CFBS3053	5/9 South	Compound A	CompoundA-1-S5	671	1.50	37.3	671.0		2.00	49.7	49.7	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CFBS2021	5/9 South	Compound A	CompoundA-1-S6	3590	4.00	531.9			4.50	598.4		
P2TS09	5/9 South	Compound A	CompoundA-1-S6	2507	3.00	278.5			3.50	325.0		
P2TS11	5/9 South	Compound A	CompoundA-1-S6	2744	2.50	254.0			3.00	304.8		
P2TS02	5/9 South	Compound A	CompoundA-1-S6	4107	2.50	380.3			3.00	456.4		
P2TS04	5/9 South	Compound A	CompoundA-1-S6	4093	3.00	454.8	28469.9		3.50	530.6	3,552.7	
P2TS07	5/9 South	Compound A	CompoundA-1-S6	4555	2.00	337.4			2.50	421.8		
P2TS26	5/9 South	Compound A	CompoundA-1-S6	594	1.50	33.0			2.00	44.0		
CFBS2038	5/9 South	Compound A	CompoundA-1-S6	2613	5.00	483.9			5.50	532.3		
CFBS2020	5/9 South	Compound A	CompoundA-1-S6	3666	2.00	271.6			2.50	339.5		
CFBS2010	5/9 South	Compound A	CompoundA-1-S7	296	1.50	16.4	295.9		2.00	21.9	21.9	
CFBS1020	5/9 South	Compound A	CompoundA-1-S8	1214	2.00	89.9	1213.5		2.50	112.4	112.4	
CFBS2048	5/9 South	Compound A	CompoundA-1-S9	804	7.00	208.4			7.50	223.3		
CFBS1415	5/9 South	Compound A	CompoundA-1-S9	530	2.00	39.2	1514.0		2.50	49.0	335.8	
CFBS1032	5/9 South	Compound A	CompoundA-1-S9	180	9.00	60.1			9.50	63.4		
CFTS02	5/9 South	Compound A	CompoundA-1-SV1	1280	3.50	166.0	1280.2		4.00	189.7	189.7	
	5/9 South	Compound A	CompoundA-1-SV2	2462	4.00	365	2461.9		4.50	410.3	410.3	
ELBS3005	5/9 South	EEL	EEL-1-S1	4158	2.50	385.0			3.00	462.0		
ELBS2000	5/9 South	EEL	EEL-1-S1	7775	1.50	431.9			2.00	575.9		
ELBS2008	5/9 South	EEL	EEL-1-S1	2334	11.00	950.7			11.50	993.9		
ELBS3003	5/9 South	EEL	EEL-1-S1	3755	1.50	208.6	29030.9		2.00	278.1	3,125.5	
ELBS3016	5/9 South	EEL	EEL-1-S1	949	1.50	52.7			2.00	70.3		
ELBS3023	5/9 South	EEL	EEL-1-S1	3874	1.50	215.2			2.00	287.0		
ELBS3024	5/9 South	EEL	EEL-1-S1	543	1.50	30.1			2.00	40.2		
ELBS3000	5/9 South	EEL	EEL-1-S1	5643	1.50	313.5			2.00	418.0		
ELBS2007	5/9 South	EEL	EEL-1-S2	741	2.50	68.6	741.0		3.00	82.3	82.3	
ELBS1014	5/9 South	EEL	EEL-1-S3	454	6.00	100.9	453.9		6.50	109.3	109.3	
ELBS2024	5/9 South	EEL	EEL-1-S4	609	1.50	33.8	979.5		2.00	45.1	79.4	
ELBS1018	5/9 South	EEL	EEL-1-S4	371	2.00	27.5		7,432.0	2.50	34.3		8,584.4
ELBS3012	5/9 South	EEL	EEL-1-S5/SV2	6301	1.50	350.1			2.00	466.7		
ELBS2010	5/9 South	EEL	EEL-1-S5/SV2	1479	1.50	82.2			2.00	109.6		
ELBS3010	5/9 South	EEL	EEL-1-S5/SV2	4253	1.50	236.3			2.00	315.1		
ELBS2002	5/9 South	EEL	EEL-1-S5/SV2	788	2.50	73.0			3.00	87.6		
ELBS2028	5/9 South	EEL	EEL-1-S5/SV2	1939	10.00	718.3	25542.5		10.50	754.2	3,563.3	
ELSS01	5/9 South	EEL	EEL-1-S5/SV2	590	1.50	32.8			2.00	43.7		
ELBS2009	5/9 South	EEL	EEL-1-S5/SV2	959	7.00	248.6			7.50	266.4		
ELBS05	5/9 South	EEL	EEL-1-S5/SV2	3317	1.50	184.3			2.00	245.7		
ELBS02	5/9 South	EEL	EEL-1-S5/SV2	1811	1.50	100.6			2.00	134.1		
ELBS2012	5/9 South	EEL	EEL-1-S5/SV2	4105	7.00	1064.2			7.50	1140.2		
	5/9 South	EEL	EEL-1-SV1	5483	7.50	1,523	5483.0		8.00	1624.6	1,624.6	
SLBS3008	5/9 South	STL-IV	STL-IV-1-S1	2093	1.50	116.3	2092.7		2.00	155.0	155.0	
SLBS3066	5/9 South	STL-IV	STL-IV-1-S10	1704	1.50	94.7	1704.4		2.00	126.3	126.3	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SLBS11	5/9 South	STL-IV	STL-IV-1-S11	515	1.50	28.6	515.1		2.00	38.2	38.2	
SLBS2041	5/9 South	STL-IV	STL-IV-1-S12	4412	11.00	1797.4	4411.9		11.50	1879.1	1,879.1	
SLBS2036	5/9 South	STL-IV	STL-IV-1-S13	1179	2.50	109.2	1179.5		3.00	131.1	131.1	
SLBS2136	5/9 South	STL-IV	STL-IV-1-S14	492	2.50	45.6	492.4		3.00	54.7	54.7	
SLBS1014	5/9 South	STL-IV	STL-IV-1-S15	3701	2.00	274.1	3701.0		2.50	342.7	342.7	
SLBS2018	5/9 South	STL-IV	STL-IV-1-S16	911	1.50	50.6	911.2		2.00	67.5	67.5	
SLBS2176	5/9 South	STL-IV	STL-IV-1-S17	737	2.50	68.2			3.00	81.9		
SLBS2066	5/9 South	STL-IV	STL-IV-1-S17	412	1.50	22.9	1493.1		2.00	30.5	144.3	
SLBS1001	5/9 South	STL-IV	STL-IV-1-S17	344	2.00	25.5			2.50	31.9		
SLBS27	5/9 South	STL-IV	STL-IV-1-S18	448	1.50	24.9	448.5		2.00	33.2	33.2	
SLBS1410	5/9 South	STL-IV	STL-IV-1-S19	769	2.00	57.0			2.50	71.2		
SLBS1040	5/9 South	STL-IV	STL-IV-1-S19	723	2.00	53.5	1816.5		2.50	66.9	162.2	
SLBS1041	5/9 South	STL-IV	STL-IV-1-S19	325	1.50	18.0			2.00	24.0		
SLBS2064	5/9 South	STL-IV	STL-IV-1-S2	213	7.00	55.2	213.1		7.50	59.2	59.2	
SLSS08	5/9 South	STL-IV	STL-IV-1-S20	169	1.00	6.3	169.0		1.50	9.4	9.4	
SLBS2155	5/9 South	STL-IV	STL-IV-1-S21	3209	1.50	178.3	3208.9		2.00	237.7	237.7	
SLBS2148	5/9 South	STL-IV	STL-IV-1-S22	1116	1.50	62.0	1115.9		2.00	82.7	82.7	
SLBS2030	5/9 South	STL-IV	STL-IV-1-S23/SV3	998	1.50	55.5			2.00	74.0		
SLBS2083	5/9 South	STL-IV	STL-IV-1-S23/SV3	1002	1.50	55.7	2550.6		2.00	74.2	188.9	
SLBS2093	5/9 South	STL-IV	STL-IV-1-S23/SV3	550	1.50	30.6			2.00	40.8		
SLBS2107	5/9 South	STL-IV	STL-IV-1-S24	549	2.50	50.8			3.00	61.0		
SLBS1600	5/9 South	STL-IV	STL-IV-1-S24	306	1.50	17.0	1317.3		2.00	22.6	195.0	
SLBS1035	5/9 South	STL-IV	STL-IV-1-S24	463	6.00	102.8			6.50	111.4		
SLBS2084	5/9 South	STL-IV	STL-IV-1-S25	509	5.00	94.2	1349.2		5.50	103.6	165.9	
SLBS2085	5/9 South	STL-IV	STL-IV-1-S25	840	1.50	46.7			2.00	62.3		
SLBS2071	5/9 South	STL-IV	STL-IV-1-S26	378	2.00	28.0	378.4		2.50	35.0	35.0	
SLBS2129	5/9 South	STL-IV	STL-IV-1-S27	1014	2.00	75.1			2.50	93.9		
SLBS1032	5/9 South	STL-IV	STL-IV-1-S27	795	2.00	58.9	2781.4	7,361.3	2.50	73.6	432.5	8,664.9
SLBS2106	5/9 South	STL-IV	STL-IV-1-S27	601	8.00	178.2			8.50	189.3		
SLBS2133	5/9 South	STL-IV	STL-IV-1-S27	372	5.00	68.8			5.50	75.7		
SLBS1015	5/9 South	STL-IV	STL-IV-1-S28	478	2.00	35.4	478.0		2.50	44.3	44.3	
SLBS1020	5/9 South	STL-IV	STL-IV-1-S29	890	6.50	214.2	889.7		7.00	230.7	230.7	
SLBS2156	5/9 South	STL-IV	STL-IV-1-S3	2523	1.50	140.2	2523.3		2.00	186.9	186.9	
SLBS1063	5/9 South	STL-IV	STL-IV-1-S30	416	2.00	30.8	415.9		2.50	38.5	38.5	
SLBS1601	5/9 South	STL-IV	STL-IV-1-S31	1028	1.50	57.1	1028.1		2.00	76.2	76.2	
SLBS1011	5/9 South	STL-IV	STL-IV-1-S32	925	2.00	68.5			2.50	85.7		
SLBS2111	5/9 South	STL-IV	STL-IV-1-S32	911	2.50	84.4	3971.9		3.00	101.3	345.1	
SLBS2011	5/9 South	STL-IV	STL-IV-1-S32	944	1.50	52.5			2.00	69.9		
SLBS2164	5/9 South	STL-IV	STL-IV-1-S32	1191	1.50	66.2			2.00	88.2		
SLBS2146	5/9 South	STL-IV	STL-IV-1-S33	523	2.50	48.4	523.2		3.00	58.1	58.1	
GMBS2013	5/9 South	STL-IV	STL-IV-1-S34	63	2.00	4.7	63.1		2.50	5.8	5.8	

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
	5/9 South	STL-IV	STL-IV-1-S35	387	1.00	14	386.9		1.50	21.5	21.5	
SLBS1003	5/9 South	STL-IV	STL-IV-1-S4	878	7.00	227.7	1881.2		7.50	244.0	355.4	
SLBS2025	5/9 South	STL-IV	STL-IV-1-S4	1003	2.50	92.9			3.00	111.4		
SLBS2139	5/9 South	STL-IV	STL-IV-1-S5	741	1.50	41.2	740.9		2.00	54.9	54.9	
SLBS2114	5/9 South	STL-IV	STL-IV-1-S6	3093	1.50	171.8	15537.8		2.00	229.1	1,420.1	
SLBS2112	5/9 South	STL-IV	STL-IV-1-S6	1551	1.50	86.2			2.00	114.9		
SLBS3004	5/9 South	STL-IV	STL-IV-1-S6	2072	1.50	115.1			2.00	153.5		
SLBS2101	5/9 South	STL-IV	STL-IV-1-S6	3003	1.50	166.8			2.00	222.4		
SLTS1507	5/9 South	STL-IV	STL-IV-1-S6	2898	3.00	322.0			3.50	375.7		
SLBS3022	5/9 South	STL-IV	STL-IV-1-S6	2921	2.50	270.4			3.00	324.5		
SLBS3133	5/9 South	STL-IV	STL-IV-1-S7	2093	1.50	116.3	2092.6		2.00	155.0	155.0	
SLBS2184	5/9 South	STL-IV	STL-IV-1-S8	1411	1.50	78.4	1410.9		2.00	104.5	104.5	
SLBS2154	5/9 South	STL-IV	STL-IV-1-S9	1914	1.50	106.3	3369.0		2.00	141.8	249.6	
SLBS2090	5/9 South	STL-IV	STL-IV-1-S9	1455	1.50	80.8			2.00	107.8		
	5/9 South	STL-IV	STL-IV-1-SV1	2260	6.00	502	2260.5		6.50	544.2	544.2	
SLBS2123	5/9 South	STL-IV	STL-IV-1-SV2	971	6.00	215.7	970.6		6.50	233.7	233.7	
STBS3006	5/9 South	STP-3	STP3-1-S1	513	2.50	47.5	1962.5		3.00	57.0	398.6	
STBS2005	5/9 South	STP-3	STP3-1-S1	858	2.50	79.5			3.00	95.4		
STBS1018	5/9 South	STP-3	STP3-1-S1	467	12.00	207.7			12.50	216.4		
STBS3014	5/9 South	STP-3	STP3-1-S1	124	6.00	27.6			6.50	29.9		
STBS1010	5/9 South	STP-3	STP3-1-S2	1308	6.00	290.6	20839.3		6.50	314.8	2,212.0	
STBS3012	5/9 South	STP-3	STP3-1-S2	8855	1.50	491.9			2.00	655.9		
STBS1007	5/9 South	STP-3	STP3-1-S2	971	2.00	72.0			2.50	89.9		
CFBS3056	5/9 South	STP-3	STP3-1-S2	3526	1.50	195.9			2.00	261.2		
STBS2065	5/9 South	STP-3	STP3-1-S2	1580	5.50	321.9			6.00	351.2		
STBS2047	5/9 South	STP-3	STP3-1-S2	865	4.00	128.1			4.50	144.1		
STBS2049	5/9 South	STP-3	STP3-1-S2	946	1.50	52.5			2.00	70.1		
STBS1006	5/9 South	STP-3	STP3-1-S2	1523	2.00	112.8		2,447.4	2.50	141.0		2,934.2
STBS02	5/9 South	STP-3	STP3-1-S2	540	6.00	120.1			6.50	130.1		
STBS01	5/9 South	STP-3	STP3-1-S2	725	1.50	40.3			2.00	53.7		
STBS1005	5/9 South	STP-3	STP3-1-S3	393	1.50	21.8	393.1		2.00	29.1	29.1	
STBS2006	5/9 South	STP-3	STP3-1-S4	639	1.50	35.5	1071.6		2.00	47.4	79.4	
STBS2011	5/9 South	STP-3	STP3-1-S4	432	1.50	24.0			2.00	32.0		
CFBS2008	5/9 South	STP-3	STP3-1-S5	436	1.50	24.2	436.1		2.00	32.3	32.3	
STBS1014	5/9 South	STP-3	STP3-1-S6	271	2.00	20.1	662.1		2.50	25.1	54.1	
STBS2052	5/9 South	STP-3	STP3-1-S6	391	1.50	21.7			2.00	29.0		
STBS1002	5/9 South	STP-3	STP3-1-S7	401	2.00	29.7	401.5		2.50	37.2	37.2	
STBS2054	5/9 South	STP-3	STP3-1-S8	206	5.00	38.1	390.2		5.50	41.9	79.5	
STBS03	5/9 South	STP-3	STP3-1-S8	185	5.00	34.2			5.50	37.6		
STTS01	5/9 South	STP-3	STP3-1-S9	130	2.00	9.6	130.1		2.50	12.0	12.0	

Appendix A
Supporting Documentation for Scenario 1 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
U0FS2118	Subarea 10	SBZ	SBZ-1-S23	452	1.50	25.1	452.4	25.1	2.00	33.5	33.5	33.5
				acres		**cy**	**acres**	**cy**		**cy**	**cy**	**cy**
			Totals for Areas I, III, and SBZ	**37.5**		**237,186**	**37.5**	**237,186**		**267,454**	**267,454**	**267,454**
			Total for the Former Shooting Range				**8.5**	**14,000**				**14,000**
			Total for Areas I, III, SBZ, & Former Shooting Range				**46.0**	**251,186**				**281,454**

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 1A North (East Side)

Legend

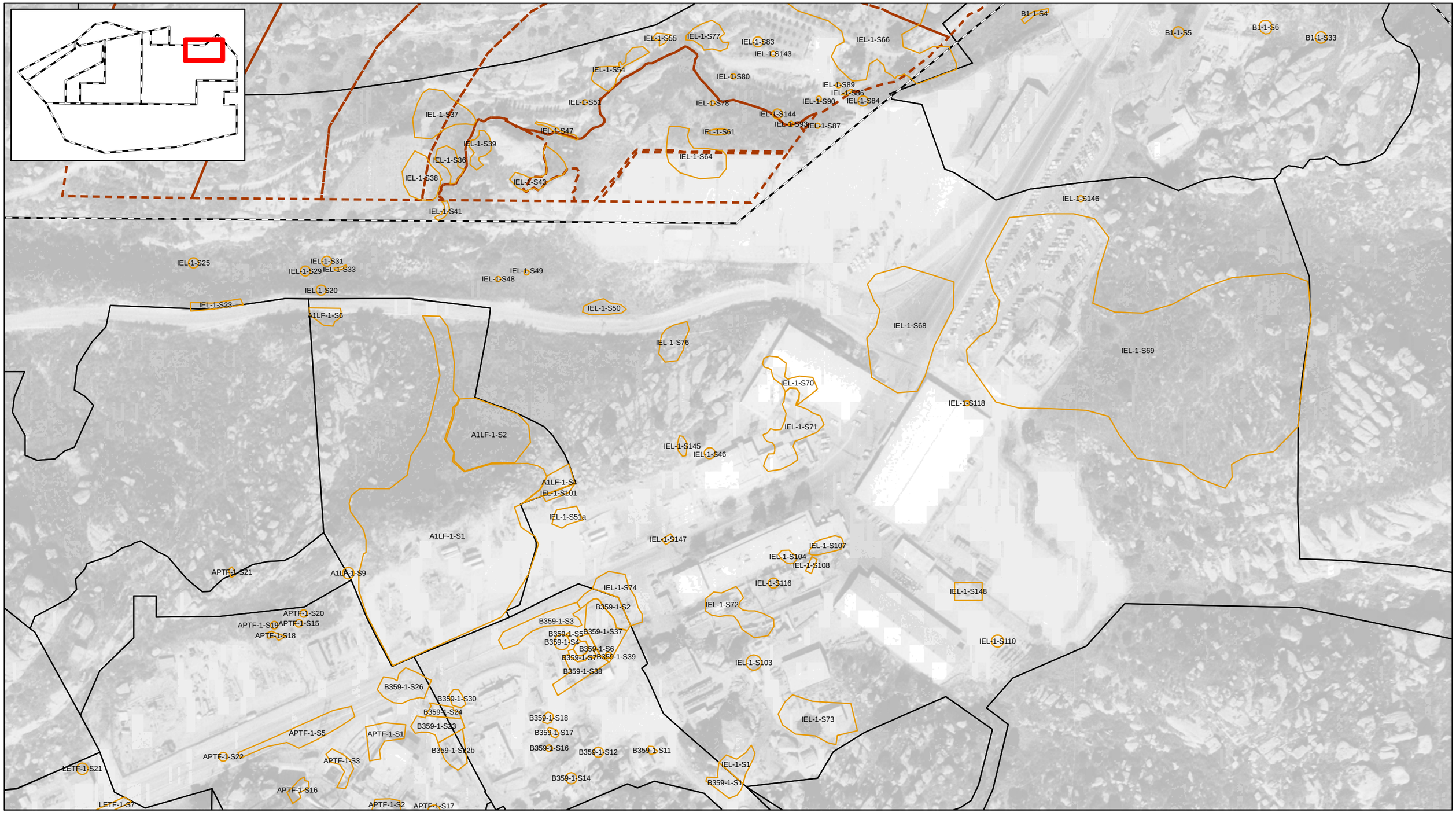
- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas

N W E S

0 80 160 320 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 1A North (Central Portion)



Legend

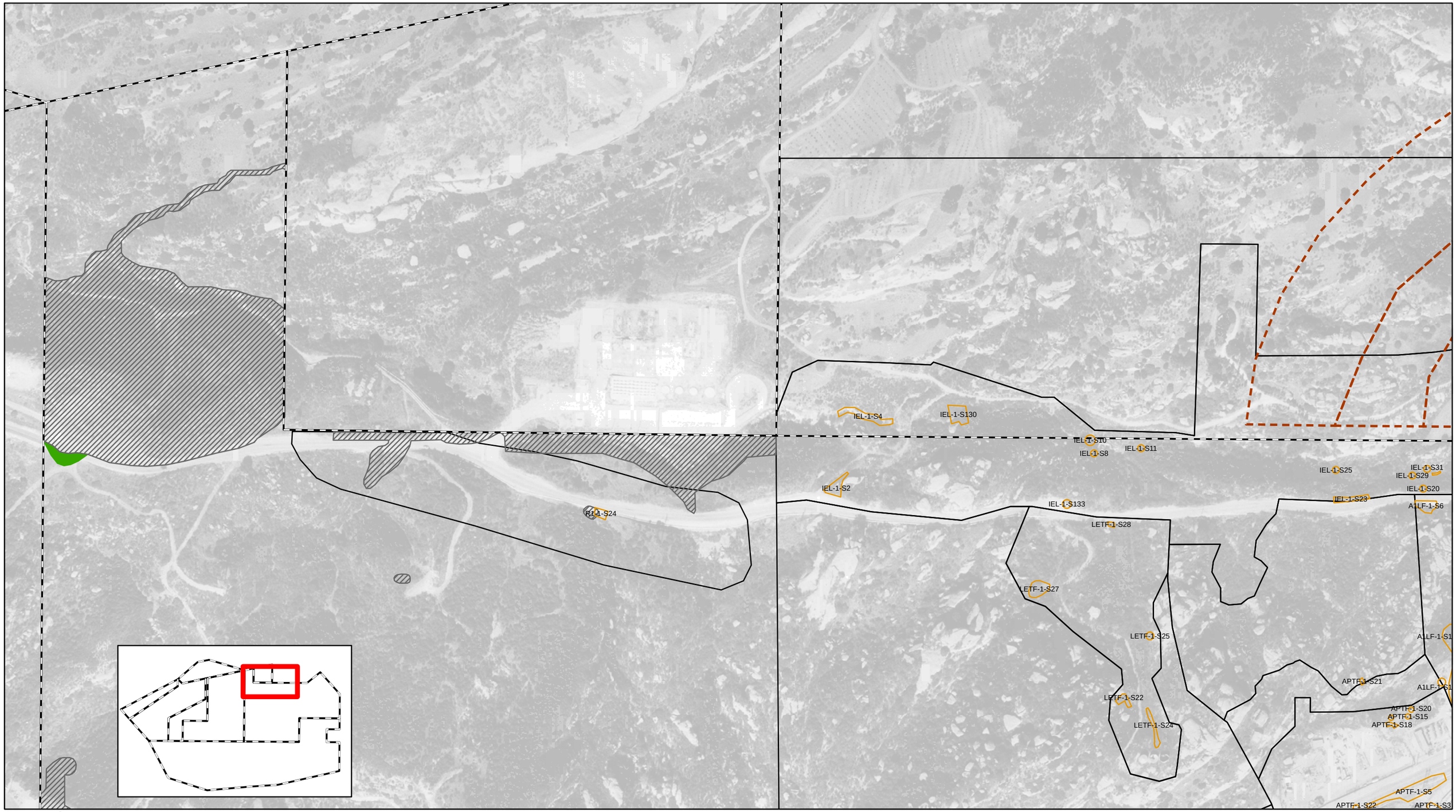
- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas

N W E S

0 85 170 340 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 1A North (West Side)



Legend

- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

N W E S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 1A Central (Interior)

Legend

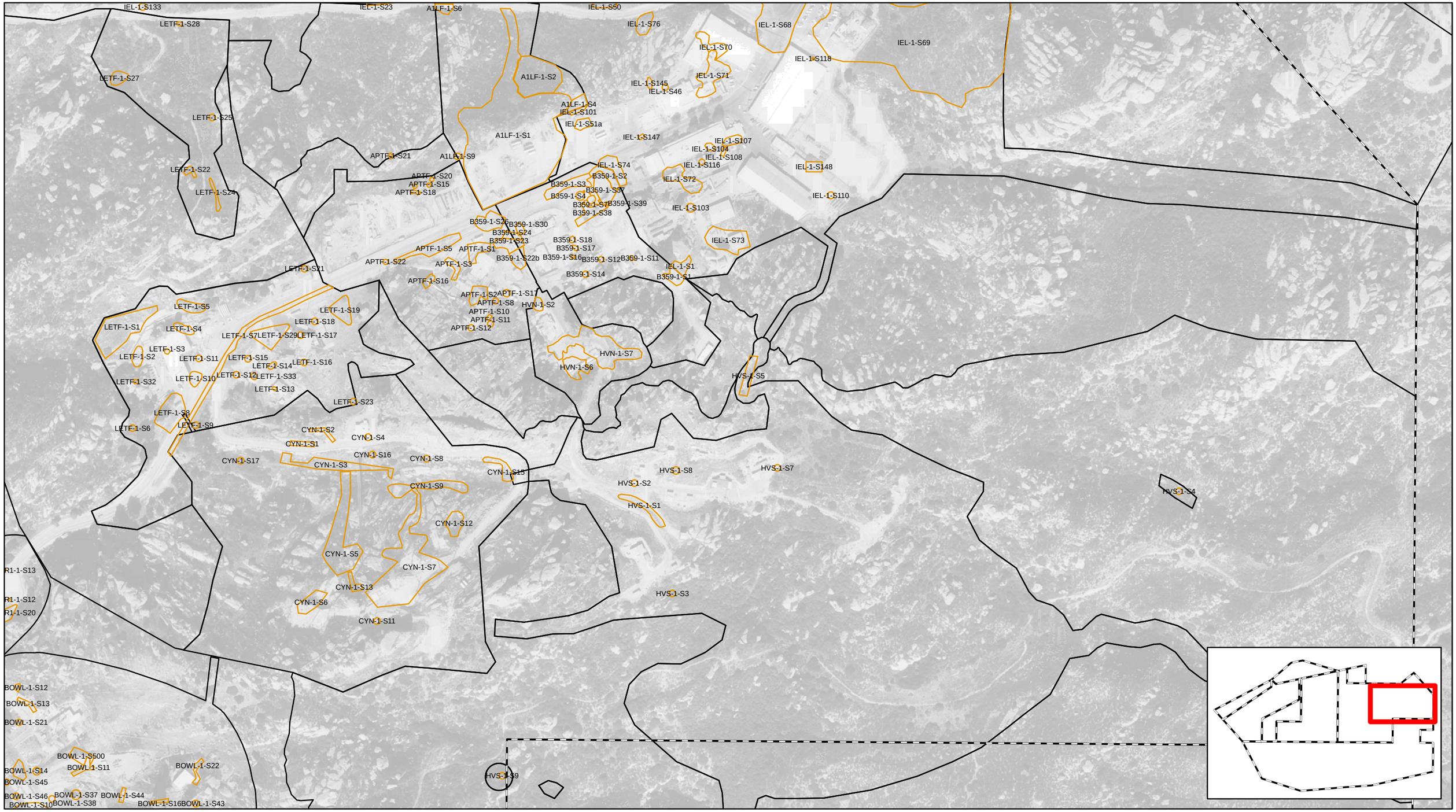
- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Administrative Boundary
- RFI Site Reporting

N W E S

0 50 100 200 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 1A South



Legend

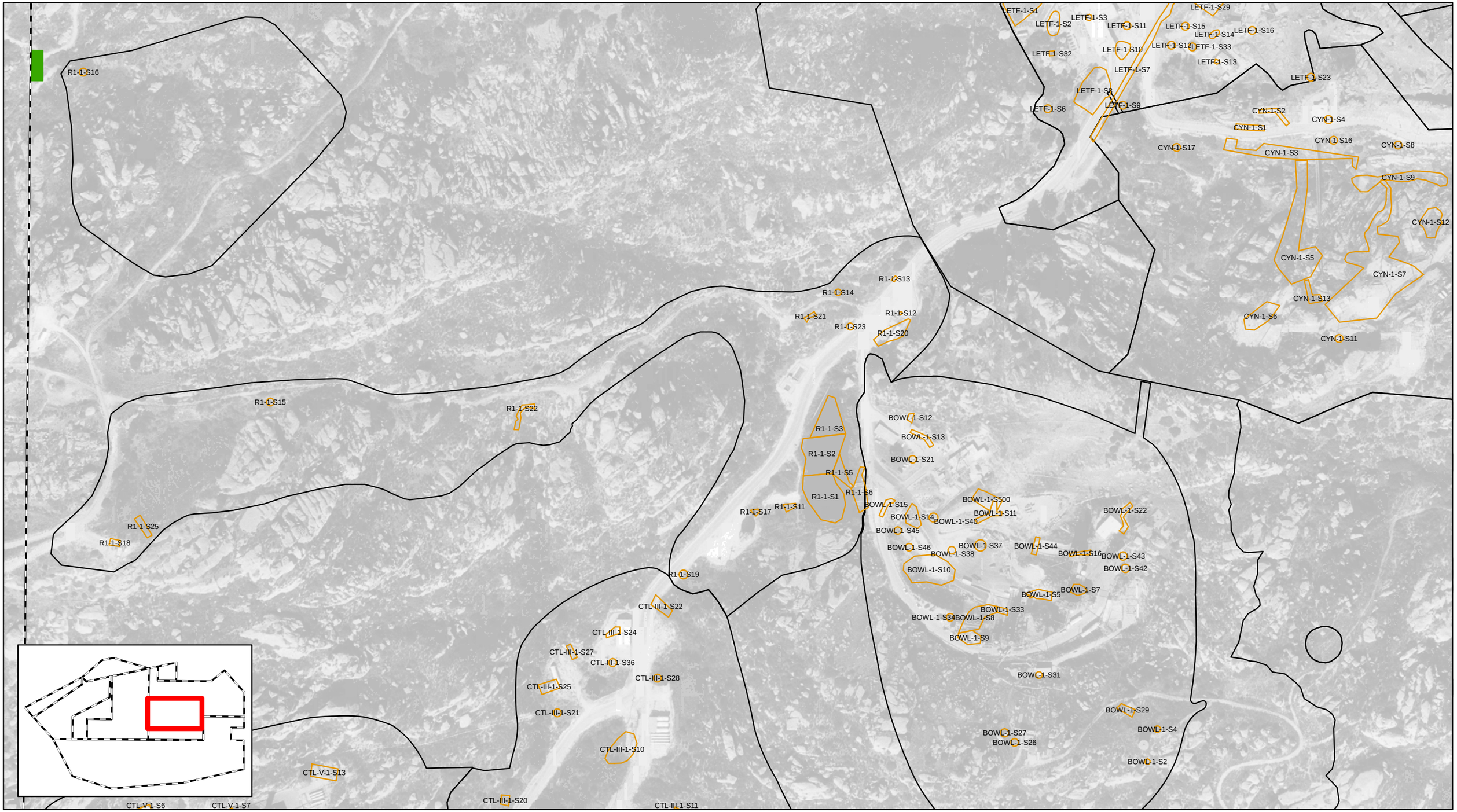
- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Administrative Boundary
- RFI Site Reporting

N
W E
S

0 150 300 600 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 1B North



Legend

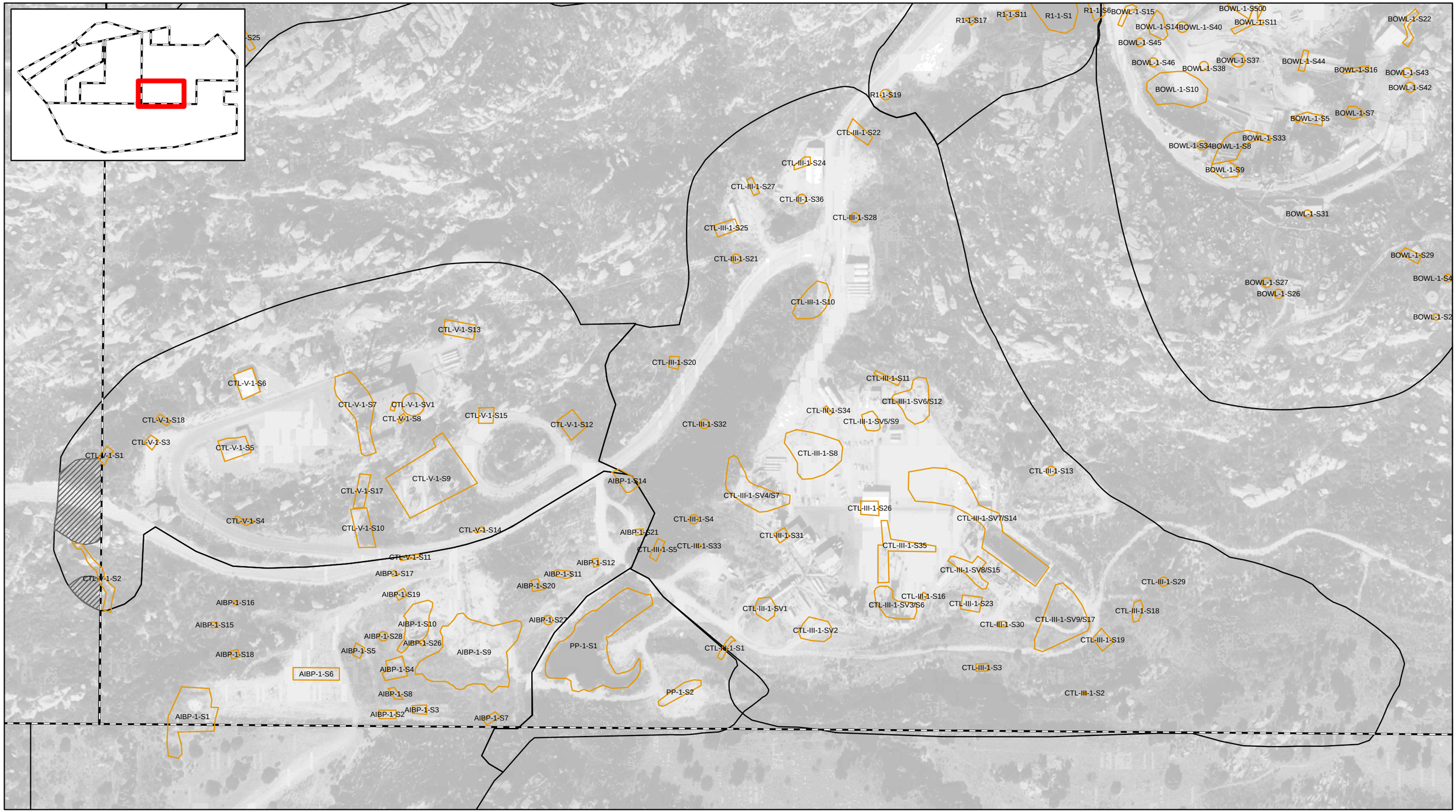
- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Administrative Boundary
- RFI Site Reporting Areas
- Area Associated with NASA Responsibility

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subareas 1B Southeast and Southwest



Legend

- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 5/9 North

Legend

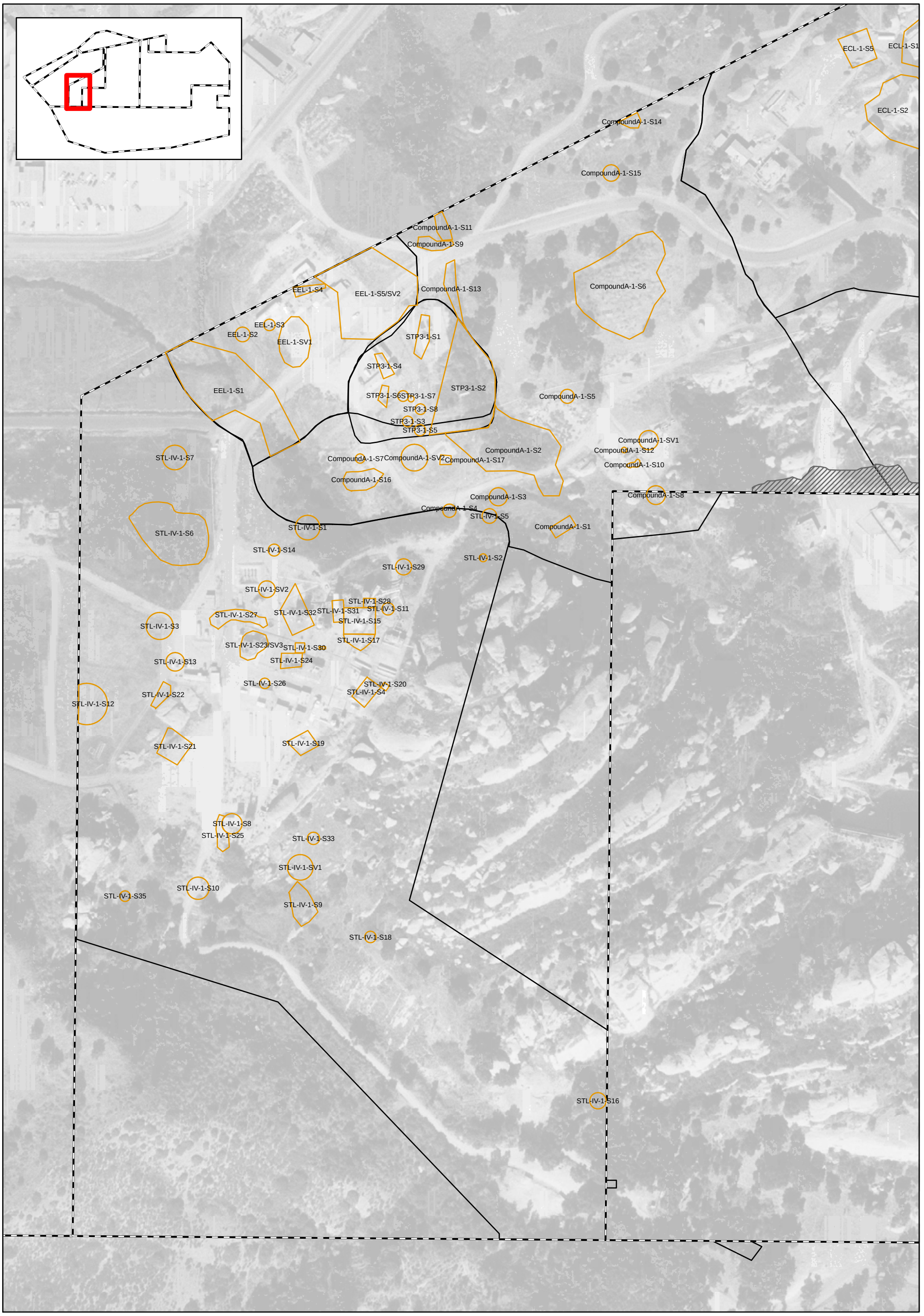
- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N W E S

0 70 140 280 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 5/9 South



Legend

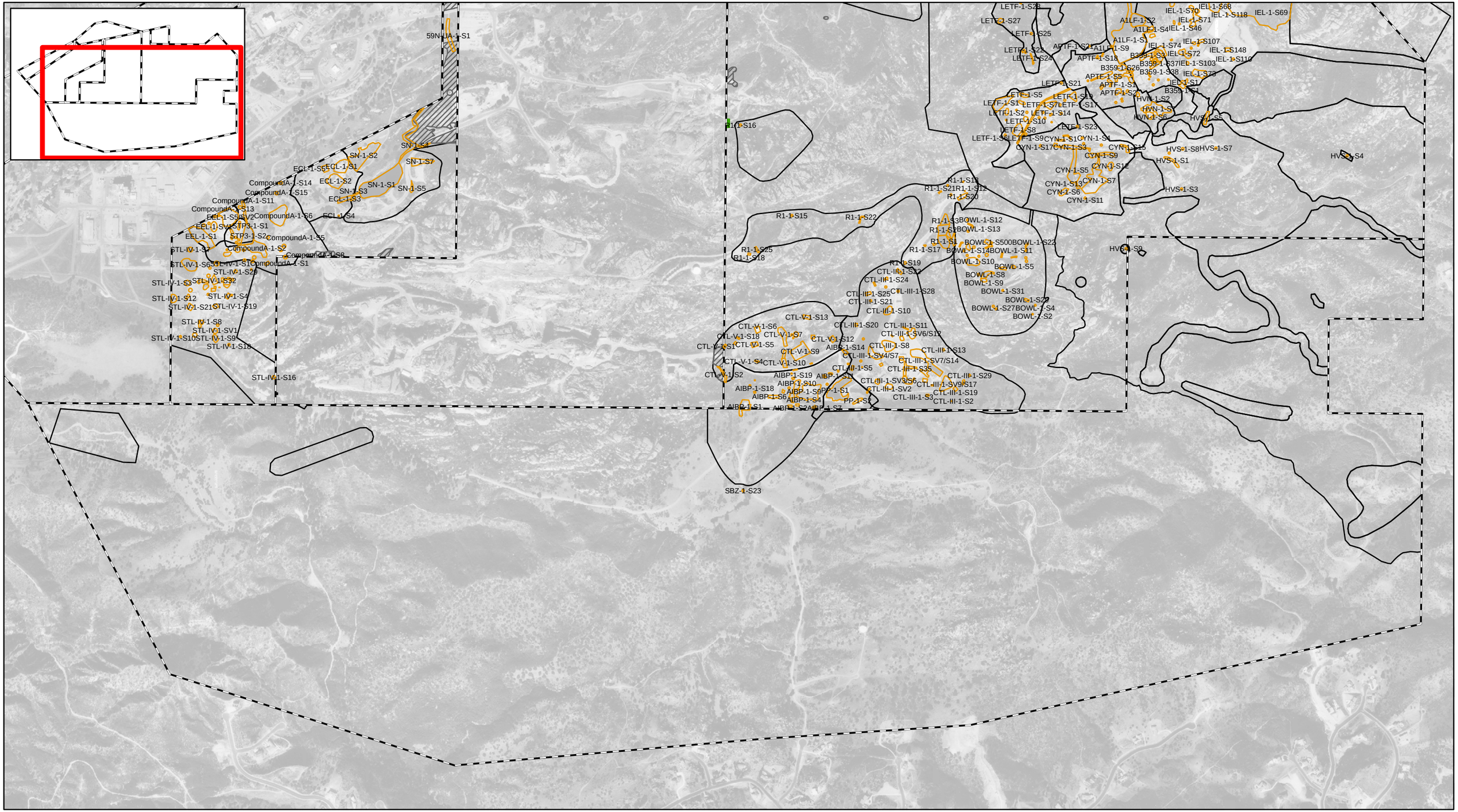
- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N W E S

0 55 110 220 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 1: Boeing Subarea 10 (Southern Buffer Zone)



Legend

- Estimated Excavation Areas for Boeing Sites (Scenario 1)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

N
W E
S

0 462.5 925 1,850
Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Appendix A

Supporting Documentation for Scenario 1

Exceptions

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 1 - A1LF									
A1BS1000	Lead		0-0.5	3.5-4	61	39	1.56	42.15	Isolated and less than 2x screening level.
A1BS1011	Arsenic	0-0.5	4.5-5		25	24.2	1.03	39.70	Isolated and less than 2x screening level. Less than 95 USL.
A1BS1019	Cadmium		0-0.5	3.5-4	0.978	0.81	1.21	0.579	Isolated and less than 2x screening level.

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Scenario 1 - B-1									
EPNDBS07	Lead		0-0.1		59	39	1.51	42.15	Less than 2x screening level.
B1BS1096	Arsenic	0.5-1	5.5-6		27	24.2	1.12	39.7	Less than 2x screening level and less than USL.
B1BS1065	Barium	0-0.5	8.8-9.8		210	203.8	1.0	318.75	Less than 2x screening level and less than USL.
B1BS0063	Barium	0.5-1	4.5-5	9.5-10	230	203.8	1.3	318.75	Less than 2x screening level and less than USL.
B1BS1045	Selenium		0-0.5		2.3	1.5	1.5	0.896	Less than 2x screening level.
B1BS1133	Selenium		0-0.5		1.7	1.5	1.1	0.896	Less than 2x screening level.
B1BS1063	Hexavalent Chromium	1-1.5	5.5-6	9.5-10	1.63	1.4	1.2	NA	Isolated deep. Less than 2x screening level .
B1ET0671	Lead		1-1.5		42	39	1.08	42.15	Less than 2x screening level and less than USL.
B1ET0642	Cadmium		1.5-2	4.5-5	0.93	0.81	1.15	0.579	Less than 2x screening level.
B1BS1078	Arsenic		5.5-6	0.5-1.0	30	24.2	1.24	39.7	Less than 2x screening level and less than USL.
SB_B351-14	Benzene	2-2.5	12-12.5	17-17.5	0.26	0.133	1.95	NA	Original units mg/kg; actually ug/kg? Deep benzene needs boring location verfication.
B1-14	Benzene	2-2.6	12-12.5	17-17.5	0.26	0.133	1.95	NA	Note: B1-14 data likely duplicate of SB_B351-14. Verify correct boring name.
SB_B351-16	Benzene	7-7.5	12-12.5		0.14	0.133	1.05	NA	Original units mg/kg; actually ug/kg? Deep benzene needs boring location verfication.
B1-16	Benzene	7-7.5	12-12.5		0.14	0.133	1.05	NA	Note: B1-16 data likely duplicate of SB_B351-16. Verify correct boring name and location.
ENBS0044	Arsenic		0.5-1	4.5-5	33.4	24.2	1.38	39.7	Less than 2x screening level and less than USL.
B1BS1099	Lead		0.2-0.5	21-22	40	39	1.03	42.15	Less than 2x screening level and less than USL.
B1BS1098	Arsenic		9.5-10	14.5-15	29	24.2	1.20	39.7	Less than 2x screening level and less than USL.
ENBS0043	Arsenic		0.5-1	4.5-5	25	24.2	1.03	39.7	Less than 2x screening level and less than USL.
EPTWBS14S070	Dioxin TEQ		0.0-0.1		0.00000681	0.000005	1.36	NA	Less than 2x screening level.
B1BS1121	Cadmium		0-0.5		0.83	0.81	1.02	0.579	Less than 2x screening level.
B1BS1016	Molybdnum		0-0.5		2.9	1.642	1.77	2.744	Less than 2x screening level.
B1ET0642	Cadmium		4.5-5	1.5-2	0.93	0.81	1.15	0.579	Less than 2x screening level.
B1BS0103	Cadmium		4.0-5.0		1.07	0.435	2.46	0.579	Deep and isolated.
	Lead		4.0-5.0		39.6	39	1.02	42.15	Less than 2x screening level and less than USL.
B1BS1084	Lead		0-0.5		45	39	1.15	42.15	Less than 2x screening level and less than USL.
B1ET0671	Dioxin TEQ		1-1.5		0.00000918	0.000005	1.84	NA	Less than 2x screening level.
B1ET0590	Lead		1-1.5		65.5	39	1.68	42.15	Less than 2x screening level and less than USL.
B1ET0680	Copper		0.5-1		58.7	42	1.40		Less than 2x screening level and less than USL.
B1ET0682	Cadmium		0.5-1	1.5-4	1.32	0.81	1.63	0.579	Less than 2x screening level.
	Copper		0.5-1		49.6	42	1.18		Less than 2x screening level and less than USL.

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Scenario 1 - IEL									
EPNDBS04	Lead		0-1		48.3	39	1.2	42.15	Isolated, low concentration exceedance; remediation unlikley.
ILBS1302	Dioxin TEQ Mammal		0-1		0.00000632	0.000005	1.3		Isolated exceeance, low concentration.
NDET5026	Cadmium		0-0.5		1.2	0.81	1.5	0.579	Isolated exceeance, low concentration. Sample within 4 feet less than
	Benzo(a)pyrene		0-0.5		0.07	0.044	1.6	42.15	criteria.
ILBS1264	Cadmium		0-0.5		1.2	0.81	1.5	0.579	Isolated exceeance, low concentration.
	Lead		0-0.5		43.4	39	1.1	42.15	Isolated exceeance, low concentration.
LFBS1129	Lead - Split		0-0.5		65.4	39	1.7	42.15	Isolated exceeance, low concentration.
	Lead - P		0-0.5		58	39	1.5	42.15	
NDET5024	B(a)P		0-0.5		0.069	0.044	1.6		Isolated exceeance, low concentration.
UABS1002	Lead		0-0.5	3.5-4	75	39	1.9	42.15	Sample less than 2 times the criteria.
NDET5020	Antimony		0-0.5		4.2	2	2.1	0.738	The split sample for antimony exceeds 2 times the criteria, however, the primary sample does not exceed. The primary sample slightly
	Lead		0-0.5		41	39	1.1	42.15	exceeds the criteria for lead but is less than the USL and the split sample is less than the criteria.
ILST1000	B(a)P		0-1		0.072	0.044	1.6		Isolated exceeance, low concentration.
ENBS0056	Dioxin TEQ Mammal - P		0.5-1		0.00000542	0.000005	1.1		Sample less than 2 times the criteria.
ENBS0123	Dioxin TEQ Mammal		0-0.5		0.00000603	0.000005	1.2		Sample less than 2 times the criteria.
NDTC0081	B(a)P	0-0.5	1-1.5		0.054	0.044	1.2		Sample less than 2 times the criteria.
NDET5013	B(a)P		0-0.5	5.5-6	0.049	0.044	1.1		Isolated exceeance, low concentration.
ILBS1533	Dioxin TEQ Mammal		0-0.5		0.0000077	0.000005	1.5		Sample less than 2 times the criteria. Include in Polygon IEL-1-S23.
UABS1002	Lead		0-0.5	3.5-4	75	39	1.9	42.15	Sample less than 2 times the criteria.
ILBS1257	Molybdenum		0-0.5		1.69	1.642	1.0	2.744	Sample less than 2 times the criteria.
ILBS1535	Silver		0-0.5	4.5-5.5	33.1	29	1.1	0.138	Isolated exceeance, low concentration.
ILBS1479	Lead		0-0.5	5-6	68.1	39	1.7	42.15	Sample less than 2 times the criteria.
ILBS1310	Lead		0-0.5		53.3	39	1.4	42.15	Surrounded by bedrock. Sample less than 2 times the criteria. Is this boring also called B1BS1100?
ILBS1367	Molybdenum		4-4.5		2.07	1.642	1.3	2.744	Sample less than 2 times the criteria.
	Thallium		4-4.5		0.982	0.76	1.3	0.991	
ILBS1195	Lead		0-0.5		41.2	39	1.1	42.15	Samples less than 2 times the criteria and less than the USL.
ILBS1251	Lead		0-0.5		40	39	1.0	42.15	Samples less than 2 times the criteria and less than the USL.
NDTC0106	B(a)P		0-0.5		0.05	0.044	1.1		Sample less than 2 times the criteria.
NDET4037	B(a)P		0.5-1		0.062	0.044	1.4		Sample less than 2 times the criteria.
NDET4041	B(a)P		0.5-1		0.047	0.044	1.1		Sample less than two times the criteria. Samples collected within 2-3
	Lead		0.5-1		46	39	1.2	42.15	feet less than criteria.
ILBS1228	Cadmium - FD		0-0.5		1.59	0.81	2.0	0.579	Samples less than 2 times the criteria.
	Cadmium - P		0-0.5		1.5	0.81	1.9	0.579	
NDET2001	Cadmium		0-0.5		0.95	0.81	1.2	0.579	Sample less than 2 times the criteria.
NDET4076	B(a)P		0-0.5		0.05	0.044	1.1		Sample isolated and less than 2 times the criteria.
NDET1026	Dioxin TEQ Mammal		0-0.5		0.00000649	0.000005	1.3		Isolated, low conc
NDBS0356	Molybdenum	0.5-1, 4.5-5	9.08-9.58		1.7	1.642	1.0	2.744	Slight exceedance of criteria and less than the USL. Also, found at depth with shallower samples that do not exceed the criteria.
ILBS1205	Cadmium	0-0.5	4-4.5		1.79	0.81	2.2	0.579	Overlying sample does not exceed criteria. Sample just over 2 times the criteria.
ILBS1209	Lead		0-0.5	4.5-5	62.6	39	1.6	42.15	Sample less than 2 times the criteria.
NDET4028	Benzo(a)pyrene		0.5-1		0.066	0.044	1.5		Sample less than 2 times the criteria.
ILBS1093	Arsenic		0-0.5		25	24.2	1.0	39.7	Sample less than 2 times the criteria and less than the USL.
NDET2004	NDMA		0-0.5		0.0653	0.036	1.8		Isolated, low conc
ILBS1199	Lead		0-0.5		61	39	1.6	42.15	Sample less than two times the criteria.
ILBS1506	Dioxin TEQ Mammal		0-0.5	2.6-3.1	0.00000572	0.000005	1.1		Sample does not exceed 2 times the criteria.
ILBS0373	Arsenic - P		0.5-1		27	24.2	1.1	39.7	Sample is less than 2 times the criteria and the duplicate sample is less than the criteria.
ILBS1063	Cadmium		1.5-2.5	5-6	0.831	0.81	1.0	0.579	Sample is isolated and less than 2 times the criteria.
ILBS1084	Cadmium		0-0.5	3.3-3.8	0.883	0.81	1.1	0.579	Sample is less than 2 times the criteria.
ILBS1086	Barium		0-0.5	5-6	240	203.8	1.2	318.75	Sample less than 2 times the critiera.
ILBS0260	Cadmium		0.5-1		0.899	0.81	1.1	0.579	Isolated, low conc
ILBS1138	Cadmium		0-0.5		1.25	0.81	1.5	0.579	Sample less than 2 times the criteria.

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ILBS1416	Molybdenum	0-1, 5-6, 9-10	19-20		3.44	1.642	2.1	2.744	Sample is isolated at depth with three overlying samples that do not exceed the criteria.
ILBS0232	Molybdenum		0.5-1	4-5, 9-10	3.5	1.642	2.1	2.744	Sample isolated and approximately 2 times the criteria or less.
	Vanadium		0.5-1	4-5, 9-10	138	111.8	1.2	150.6	
ILBS1013	Molybdenum	0-0.5, 5-6, 9.5-10	14.5-15		2.59	1.642	1.6	2.744	Sample at depth less than 2 times criteria. Several overlying samples that do not exceed the criteria.
ILBS1294	Molybdenum		0-0.5		1.65	1.642	1.0	2.744	Isolated, low conc
ENBS0063	Antimony		0.5-1	4.5-5	2.4	2	1.2	0.738	Sample less than 2 times the criteria.
ILBS0239	Lead - P		0.5-1	4.5-5, 10.5-11.5	40.1	39	1.0	42.15	Sample less than 2 times the screening criteria and less than the USL. Additionally, the split sample is less than the criteria.
ILBS02	TCE	13, 23	29.5		1.04	0.92	1.1		Deep exceedance to be addressed through soil vapor extraction.
ILBS1040	Arsenic	0-1, 5-6	9-10	14-15	51.2	24.2	2.1	39.7	Overlying samples do not exceed criteria. Sample approximately 2 times the criteria.
ILBS1172	Benzo(a)pyrene		0-0.5		0.007	0.005	1.40		Sample less than 2 times the criteria.
ILBS0212	Arsenic		0.5-1	4.5-5, 5-6, 9.5-10, 14.5-15	29	24.2	1.2	39.7	Sample less than 2 times the criteria and less than the USL.
ILBS1047	Arsenic	1-1.5, 4.5-5, 5-6, 9.5-10	14-15		28.6	24.2	1.2	39.7	Sample less than 2 times the criteria and less than the USL.
ILBS1048	Arsenic		3-4		24.9	24.2	1.0	39.7	
	Arsenic		9-10		27	24.2	1.1	39.7	Samples less than 2 times the criteria and less than the USL.
	Arsenic		14-15		28.7	24.2	1.2	39.7	
B1BS1097	Arsenic		0-0.5		24	24.2	1.0	39.7	Sample at depth less than 2 times criteria and less than the USL. Overlying and underlying samples do not exceed the criteria.
	Arsenic		5.5-6		36	24.2	1.5	39.7	
	Arsenic		9-10		24.2	24.2	1.0	39.7	
ILTS1007	Arsenic	8.5	13.5		27	24.2	1.1	39.7	Sample at depth less than 2 times criteria and less than the USL. Overlying sample does not exceed the criteria.
ILBS1046	Benzo(a)anthracene		0.25-0.5	5-6, 9-10, 14-15	0.076	0.051	1.5		Sample isolated and less than 2 times the criteria.

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Scenario 1 - APTF									
ABFS1059	Dioxin TEQ		0.0-1.0	4-5, 7.75-8.25	0.00000674	0.000005	1.35		Less than 2 times the screening criteria.
AFBS0113	Copper		0.5-1.0	4.5-5.0	48.5	42	1.15	102	Less than 2 times the criteria and less than the USL.
ABFS1061	Dioxin Furan TEQ		0.0-1.0		0.0000121	0.000005	2.42		Less than 3 times screening criteria and isolated.
LFBS0108	Arsenic		0.5-1		37	24.2	1.53	39.7	Less than 2 times the criteria and less than the USL.
AFBS1106	Arsenic		5-6		24.7	24.2	1.02	39.7	
	Arsenic		9-10		26.4	24.2	1.09	39.7	Less than 2 times the screening criteria and less than the USL.
	Arsenic		5-6		31.9	24.2	1.32	39.7	
	Cadmium		0-0.5		1.05	0.81	1.30	0.579	Less than 2 times the screening criteria.
AFBS1072	Molybdenum		0-1		2.9	1.642	1.77	2.744	Less than 2 times the criteria and less than the USL.

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Scenario 1 - B359									
BSBS0103	Arsenic	4.5-5.5	9.5-10.5		24.7	24.2	1.0	39.7	Deep exceedance, slight criteria exceedance.
BSBS0132	Arsenic		14-15	19-20	24.9	24.2	1.0	39.7	Deep exceedance, slight criteria exceedance.
BSBS1048	Benzo(a)Pyrene	0.5-1.5	5.0 - 6.0	9.0-10.0	0.073	0.044	1.7		Isolated, exceedance less than 2X criteria.
AFBS1061	Dibenzo(a,h)anthracene		0.5-1.5		0.21	0.13	1.6		Isolated, exceedance less than 2X criteria.
BSBS1080	Molybdenum	0.0-0.5	4.0-5.0		2.26	1.642	1.4	2.744	Isolated, exceedance less than 2X criteria.
BSBS15	Cadmium		0.0-0.5		1.5	0.81	1.9	0.579	Isolated, exceedance less than 2X criteria.
	Mercury		0.0-0.5		2.9	1.7	1.7	0.0411	Isolated, exceedance less than 2X criteria.
BSBS1018	Copper	0.0-0.5	5.0-6.0	9.0-10.0	56.6	42	1.3	102	Isolated, exceedance less than 2X criteria.
	Mercury	0.0-0.5	5.0-6.0	9.0-10.0	4.93	1.7	2.9	0.0411	Isolated, underlying and overlying samples less than criteria, exceedance less than 3X criteria.
HNBS0117	Molybdenum	0.25-0.75	4.0-5.0	9.0-10.0	1.7	1.642	1.0	2.744	Very low conc.
	Arsenic	0.25-0.75; 4-5	9.0-10.0		32	24.2	1.3	39.7	Deep exceedance, slight criteria exceedance.
BSBS1017	Arsenic	0-.5, 5-6	9-10, 14-15	19.0-20.0	32.5, 25.6	24.2	1.3, 1.1	39.7	Deep exceedance, less than 2X criteria.
BSBS0153	Arsenic	0.5-1, 4-5,	9.5-10	14-15, 19-20	35.6	24.2	1.5	39.7	Deep exceedance, less than 2X criteria.
BSBS0154	Arsenic	1-1.5	5-5.5, 10-10.5	15-15.5, 17-18	27.1, 26.5	24.2	1.1, 1.1	39.7	Deep exceedance, less than 2X criteria.
BSBS1016	Arsenic	0.5-1, 5-6	9-10, 14-15		27.1, 26.5	24.2	1.1, 1.1	39.7	Deep exceedance, less than 2X criteria.
BSBS1060	Arsenic		19-20	27-27.5	25.5	24.2	1.1	39.7	Deep exceedance, less than 2X criteria.
BSBS1058	Arsenic	9-10, 14-15	19.0-20.0		28.2	24.2	1.2	39.7	Deep exceedance, less than 2X criteria.
BSBS1063	Benzo(a)Pyrene		0.5-1.5	5-6, 9-10	0.046	0.044	1.0		Slight criteria exceedance.
BSTS21	Barium	1.0-1.0	4.0-4.0	8.0-8.0	280	203.8	1.4	318.75	Isolated, exceedance less than 2X criteria.
BSTC19S04	Arsenic		2.0-2.0		27	24.2	1.1	39.7	Exceedance less than 2X criteria.
BSBS05	Arsenic		3.0-3.0		26.7	24.2	1.1	39.7	Exceedance less than 2X criteria.
BSBS08	Cobalt	7.0-7.0	13-13.5	20-20, 24-24	37.5	26.18	1.4	38.0	Deep exceedance, less than 2X criteria.
BTSC19S14	Arsenic		4.0-4.0		32	24.2	1.3	39.7	Isolated, exceedance less than 2X criteria.
BSBS1007	Aroclor1254	0.0-0.5	5.0-6.0		0.5	0.26	1.9		Exceedance less than 2X criteria.
BSLR50	Perchlorate	6.0-6.0	12.0-12.0	12-12, 15-15	17	7.7	2.2		Assume perchlorate below 10' will be remediated in situ.
BSBS1006	Aroclor1254	0.0-0.5	5.0-6.0		0.29	0.26	1.1		Isolated, exceedance less than 2X criteria.
BSBS23	Arsenic		15.0-15.0	29-29	30	24.2	1.2	39.7	Exceedance less than 2X criteria.
BSBS62	Cadmium	1.0-1.0	4.0-4.0	8.0-8.0	1	0.81	1.2	0.579	Isolated, exceedance less than 2X criteria.
BSBS24	Cadmium		0.5-0.5		1	0.81	1.2	0.579	Isolated, exceedance less than 2X criteria.
BSTS28	Benzo(a)pyrene		8.0-8.0		0.056	0.044	1.3		Isolated, exceedance less than 2X criteria.
BSBK04	Nickel		1.0-1.0	4, 8, 12, & 16	74	64.2	1.2	113	Isolated, exceedance less than 2X criteria.
BSBS0163	Molybdenum	0.5-1.0	4.0-4.5		1.9	1.642	1.2	2.744	Isolated, exceedance less than 2X criteria.
UABS1010	Selenium	0.5-0.5	6.1-7.1		1.6	1.5	1.1	0.896	Isolated, exceedance less than 2X criteria.

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Scenario 1 - HVN									
HNBS0033	Arsenic	0.5-1, 9.5-10, 14.5-15	4.5-5		28	24.2	1.16	39.7	Isolated and less than 2x screening level. Less than 95 USL.
HNBS0108	Arsenic	0-0.5, 4.5-5	9.5-10		25	24.2	1.03	39.7	
	Selenium	0-0.5	4.5-5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
	Selenium	0-0.5	9.5-10		1.8	1.5	1.20	0.896	
HNBS0100	Selenium		0.5-5.0	4.5-5.0	1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
	Selenium	4.5-5.0	9.5-10		2.5	1.5	1.67	0.896	
HNBS0003	Cadmium		0.5-1	4-5, 9-10	1.4	0.81	1.73	0.579	Isolates and less than 2x screening level.
HNBS0004	Arsenic	0.5-1, 4-5, 9-10	13-13.5		26	24.2	1.07	39.7	Isolated and less than 2x screening level. Less than 95 USL.
HNBS0112	Selenium		0-0.5	9-10	1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
	Selenium		4-5	9-10	1.9	1.5	1.27	0.896	
HNBS0103	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated. All samples except 9.5-10 ft are less than 2x screening level.
	Selenium		1.5-2		1.6	1.5	1.07	0.896	
	Selenium		9.5-10		3.2	1.5	2.13	0.896	
	Selenium		14.5-15		2.9	1.5	1.93	0.896	
HNBS0034	Antimony		9-9.5		3.8	2	1.90	0.738	Isolated. Camium is only slightly above screening level.
	Cadmium		9-9.5		1.9	0.81	2.35	0.579	
HNBS0011	Aroclor 1254		1.5-2		0.33	0.26	1.27		Isolated and less than 2x screening level.
	Aroclor 1254		5.5-6		0.35	0.26	1.35		
	Cadmium		1.5-2	5.5-6	1	0.81	1.23	0.579	
	B(a)p		1.5-2	5.5-6	0.062	0.044	1.41		
HVBS11	Thallium		1-1	3-3	1.1	0.76	1.45	0.991	Isolated and less than 2x screening level.
	1,2-Dichlorobenzene	3-3	6-6		8000	130	61.54		Overlying sample less than criteria, sample in the same location also identified as primary does not exceed criteria. Sample from 1997. Requires further evaluation.
	1,4-dichlorobenzene	1-1, 3-3	6-6		260	130	2.00		
HNBS0124	Cadmium		0-0.5		1.8	0.81	2.22	0.579	Isolated and only slightly above screening level.
HNBS0123	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
HNBS0107	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
HNBS0106	Selenium	0-0.5	5-6		1.8	1.5	1.20	0.896	Isolated and less than 2x screening level.
HNBS0101	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
HNBS0119	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated and less than 2x screening level.
HNBS0121	Selenium	0-0.5	4-4.5		1.7	1.5	1.13	0.896	Isolated and less than 2x screening level.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 1 - Canyon									
CNBS0148	Antimony		4-4.5		2.70	1.5	1.80	0.74	Less than 2x screening level.
CNBS0147	Antimony		4-4.5		2.92	1.5	1.95	0.74	Less than 2x screening level.
CNBS1042	Benzo(a)pyrene		0-0.75		0.0725	0.044	1.65		Less than 2x screening level.
CNBS0135	Cobalt		0-0.5		49	26.18	1.87	38	Less than 2x screening level.
CNBS1025	Arsenic		0-0.5		25.2	24.2	1.04	39.7	Isolated and less than 2x screening level and less than USL.
CNBS1094	Benzo(a)pyrene		0-0.5		0.074	0.044	1.68		Isolated and less than 2x screening level.

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Scenario 1 - HVS									
HZBS0166	Thallium		0-0.5		1.2	0.76	1.58	0.991	Isolated and less than 2x screening level.
HZBS1226	Cadmium		0-1		1.02	0.81	1.26	0.579	Isolated and less than 2x screening level.
HZBS1000	Zinc		0-0.5		321	320	1.00	185	Isolated and less than 2x screening level.
HVBS49	Cadmium		0.5		1	0.81	1.23	0.579	Isolated and less than 2x screening level.
HVBS69	Thallium		0-0.5		0.85	0.76	1.12	0.991	Less than 2x screening level and less than USL.
HZBS1144	Arsenic		4.25-4.75		33.9	24.2	1.40	39.7	Less than 2x screening level and less than USL.
HVBD97	Thallium		0-0.4		0.81	0.76	1.07	0.991	Less than 2x screening level and less than USL.
HVBD95	Thallium		0-0.4		1.2	0.76	1.58	0.991	Isolated and less than 2x screening level.
HZBS0161	Thallium		1.3-1.8		1.1	0.76	1.45	0.991	Isolated and less than 2x screening level.
HVTC13S44	Cadmium		0-0.5		1.2	0.81	1.48	0.579	Isolated and less than 2x screening level.
HVTC10S12	Arsenic		0-0.5		24.4	24.2	1.01	39.7	Isolated, less than 2x screening level and less than USL.
HZBS0162	Thallium		0.6-1.1		1	0.76	1.32	0.991	Less than 2x screening level.
HZBS0163	Thallium		0.5-1		0.97	0.76	1.28	0.991	Less than 2x screening level.
HVBF01	Thallium		0-0.1		1.1	0.76	1.45	0.991	Isolated and less than 2x screening level.
HZBS0002	Cadmium		0-0.5		1.1	0.81	1.36	0.579	Isolated, less than 2x screening level and surrounded by clean samples.
	Lead		0-0.5		59.5	39	1.53	42.15	
HZBS1119	Lead		0-0.5	0.5-1.5, 3.75-4.25	47.6	39	1.22	42.15	Isolated, less than 2x screening level and surrounded by clean samples.
HZBS0001	Cadmium		0-0.5	5-6	1.2	0.81	1.48	0.579	Less than 2x screening level.
	Lead		0-0.5	5-6	56.7	39	1.45	42.15	
	Zinc		0-0.5	5-6	456	320	1.43	185	
HZBS1020	Barium	0-0.5	5.5-6	10-10.5	204	203.8	1.00	318.75	Less than 2x screening level and less than USL.
HZBS1200	Barium		5-6		271	203.8	1.33	318.75	Less than 2x screening level and less than USL.
	Molybdenum		5-6		2.06	1.642	1.25	2.744	
UABS1012	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
UABS1017	Selenium		0-0.5	4.5-5.5	1.6	1.5	1.07	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
	Selenium	0-0.5	0.5-1.5	4.5-5.5	2.1	1.5	1.40	0.896	
BZSS05	Thallium		0-0.5		1.8	0.76	2.37	0.991	Isolated and clean ND sample in same location at same depth.
UABS1020	Selenium	0-0.5	2-2.5		2.2	1.5	1.47	0.896	Less than 2x screening level and surrounded by clean samples. Overlain by clean sample.
UABS1018	Selenium		0-0.5	3-3.5	2.2	1.5	1.47	0.896	Less than 2x screening level and surrounded by clean samples. Clean sample underneath.
UABS1019	Selenium		0-0.5		1.6	1.5	1.07	0.896	Less than 2x screening level and surrounded by clean samples.
HVBF03	Thallium		0-0.1		0.9	0.76	1.18	0.991	Less than 2x screening level and less than USL.
HZBS1113	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
	Selenium		2.5-3.5		1.9	1.5	1.27	0.896	
HZBS1013	Dioxins		0-0.5		0.00000697	0.000005	1.39		Isolated, less than 2x screening level
HZBS1004	Silver		0-0.5		55	29	1.90		Isolated, less than 2x screening level
HZBS1224	Dioxins		0-0.5		0.00000946	0.000005	1.89		Isolated, less than 2x screening level
HVBD96	Thallium		0-0.4		1.3	0.76	1.71	1.0	Isolated, less than 2x screening level
HZBS0178	Antimony		1.6-2.1		2.33	2.0	1.17	0.740	Isolated, less than 2x screening level
HZBS0081	Antimony		0.8-1.3		2.02	2.0	1.01	0.740	Isolated, less than 2x screening level
HZBS0179	Antimony		0.9-1.4		2.19	2.0	1.10	0.740	Isolated, less than 2x screening level
HZBS1067	Lead		0.5-1.5		45	39	1.15	42.2	Isolated, less than 2x screening level
HZBS1088	Selenium		0.5-1	1-1.5	1.7	1.5	1.13	0.896	Isolated, less than 2x screening level
HZBS1087	Selenium		0-0.5		2	1.5	1.33	0.896	Isolated, less than 2x screening level
	Selenium		1.5-2		2.4	1.5	1.60	0.896	
BGSS02	Antimony		1		3.9	2	1.95	0.740	Isolated, less than 2x screening level

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Scenario 1 - LETF									
LFBS67	Cadmium		0-1		0.82	0.81	1.01	0.579	Isolated and 0.01 above screening level.
LFBS1215	Dioxins	0-0.5	5-6	9-10	0.00000614	0.000005	1.23		Isolated and less than 2x screening level, clean samples above and below.
ENBS0146	Benzo(a)pyrene		0-0.5		0.0454	0.044	1.03		Less than 2x screening level.
ENBS0143	Lead		0-0.5		45	39	1.15	42.15	Less than 2x screening level. Duplicate samples less than screening level.
LFBS1202	Lead		0-0.5		58.3	39	1.49	42.15	Isolated and less than 2x screening level.
LFBS1112	Antimony		0-0.5		2.59	2	1.30	0.738	Isolated and less than 2x screening level.
LFBS1111	Arsenic		0.5-1	4.5-5.5	27.2	24.2	1.12	39.7	Isolated and less than 2x screening level, less than USL. Clean duplicate sample.
LFBS1099	Copper		0.5-1		43.8	42	1.04	102	Isolated and less than 2x screening level, less than USL.
	Hexavalent Chromium		1-2		2	1.4	1.43	1.71	Isolated and less than 2x screening level, less than USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Scenario 1 Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Exclusion Rationale
Scenario 1 - Bowl									
BABS1102	Antimony		0 - 1.0		2.4	2	1.20	0.738	Isolated, concentration less than 2x Scenario 1 criteria
BABS2026	Copper		0 - 0.5		57.3	39	1.47	102	Isolated, concentration less than 2x Scenario 1 criteria
BABS2064	Lead		0 - 0.5		42.2	39	1.08	42.15	Isolated, concentration near Scenario 1 criteria
	Cadmium		0 - 0.5		1.07	0.81	1.32	0.579	Isolated, concentration less than 2x Scenario 1 criteria
BABS1000	Antimony		0 - 1		3.9	2	1.95	0.738	Isolated, concentration less than 2x Scenario 1 criteria
BATS1004	Cadmium		0 - 1		0.94	0.81	1.16	0.738	Isolated, concentration near Scenario 1 criteria
BABS1103	Antimony		0 - 1		2.9	2	1.45	0.738	Isolated, concentration less than 2x Scenario 1 criteria
BABS1079	Antimony		0 - 1		2.9	2	1.45	0.738	Isolated, concentration less than 2x Scenario 1 criteria
BABS1105	Antimony		0 - 1		2.8	2	1.40	0.738	Isolated, concentration less than 2x Scenario 1 criteria
BABS1154	B(a)P		1 - 1.5		0.049	0.044	1.11		Isolated, concentration near Scenario 1 criteria
BABS1155	B(a)P		0 - 0.5		0.078	0.044	1.77		Isolated, concentration less than 2x Scenario 1 criteria
BABS1052	Antimony		0 - 1		3.9	2	1.95	0.738	Isolated, concentration less than 2x Scenario 1 criteria
	Antimony		3.0 - 4.0		3.4	2	1.70	0.738	Isolated, concentration less than 2x Scenario 1 criteria
BABS2070	B(a)P		0.5 - 1		0.07	0.044	1.59		Isolated, concentration less than 2x Scenario 1 criteria
BATS03	Copper		3.0 - 3.5		60.4	42	1.44	102	Isolated, concentration less than 2x Scenario 1 criteria
BABS1087	Antimony		0 - 1.0		3.4	2	1.70	0.738	Concentration less than 2x Scenario 1 criteria
	Antimony		5.0-6.0		3.7	2	1.85	0.738	Concentration less than 2x Scenario 1 criteria
BABS1001B	Antimony		5.0-6.0		2.6	2	1.30	0.738	Concentration less than 2x Scenario 1 criteria

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Scenario 1 - R-1 Pond									
R1BS1000	Zinc		5.0 - 6.0		560	320	1.75	185	Isolated and less than 2x screening level.
R1BS1050	Benzo(a)pyrene		1.0 - 2.0		0.063	0.044	1.43		Isolated and less than 2x screening level.
R1BS1016	Benzo(a)pyrene		1.0 - 2.0		0.066	0.044	1.50		Isolated and less than 2x screening level.
R1BS07	Di-n-butyl Pthalate		0.5 - 0.5		1.4	1.1	1.27		Isolated and less than 2x screening level.
UBBS3031	Dioxin Furan TEQ		0 - 0.5		0.00000867	0.000005	1.73		Isolated, less than 2x Scenario 1 Criteria
UBBS3028	Antimony		0 - 0.5		3.55	2	1.78	0.738	Isolated, less than 2x Scenario 1 Criteria
R1BS2015	Antimony		0 - 0.5		2.07	2	1.04	0.738	Isolated, concentration less than 2x Scenario 1 criteria.
R1BS2300	MCPA		0 - 0.5		1.5	0.76	1.97		Isolated, low concentration
R1BS2066	MCPA		0 - 0.5		1.3	0.76	1.71		Isolated, low concentration
R1BS2098	MCPA		0 - 0.5		1.2	0.76	1.58		Isolated, low concentration
R1BS2085	MCPA		0 - 0.5		1.1	0.76	1.45		Isolated, low concentration
R1BS2065	MCPA		0 - 0.5		1.1	0.76	1.45		Isolated, low concentration
R1BS2310	MCPA		0 - 0.5		1.4	0.76	1.84		Isolated, low concentration
R1BS2007	Arsenic		0 - 0.5		27.1	24.2	1.12	39.7	Isolated, concentration less than 2x Scenario 1 criteria.
R1ST1000	B(a)P		0 - 1		0.0744	0.044	1.69		Isolated, low concentration
R1BS2097	Arsenic		0 - 0.5		42.2	24.2	1.74	39.7	Isolated, concentration less than 2x Scenario 1 criteria.
R1BS1041	Antimony		4.0 - 5.0		2.8	2	1.40	0.738	Isolated, concentration less than 2x Scenario 1 criteria.
R1BS2014	Cadmium		0.5 - 1.5		0.939	0.81	1.16	0.579	Isolated, concentration less than 2x Scenario 1 criteria.
R1BS1047	Dioxin Furan TEQ		0 - 1.0		0.00000794	0.000005	1.59		Isolated, concentration less than 2x Scenario 1 criteria.
R1BS2040	Dioxin Furan TEQ		0 - 0.5		0.00	0.000005	1.36		Isolated, concentration less than 2x Scenario 1 criteria.
R1BS3002	Arsenic		0 - 0.5		40.90	24.2	1.69	39.7	Isolated, concentration less than 2x Scenario 1 criteria.
R1BS1044	Antimony		0-1		2.9	2	1.45	0.738	Isolated, concentration less than 2x Scenario 1 criteria.
R1BS2044	Arsenic		0-0.5		25.5	24.2	1.05	39.7	Slight Scenario 1 criteria exceedance, isolated, less than USL.
UBBS2010	Hexavalent Chromium		0.5-1.5		2.2	1.4	1.57	1.706	Isolated, concentration less than 2x Scenario 1 criteria.

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Scenario 1 - CTL-III									
CLBS2157	MCPA		0-0.5	5-5.4	1.1	0.76	1.4	0.398	Shallow sample less than 2 times the criteria.
CLBS2159	MCPA		0-0.5		0.98	0.76	1.3	0.398	Shallow sample less than 2 times the criteria.
CLBS2163	MCPA		0-0.5		1.2	0.76	1.6	0.398	Samples less than 2 times the criteria.
PPBS1026	Antimony		0-1		3.9	2	2.0	0.738	
	Antimony		0-1		3.5	2	1.8	0.738	Samples less than 2 times the criteria.
	Antimony		3-4		3.6	2	1.8	0.738	
PPBS1025	Antimony		0-1		3.8	2	1.9	0.738	Primary sample less than 2 times the criteria. Split sample less than the criteria.
CLBS2169	Hexavalent Chromium		0.5-1.5		1.7	1.4	1.2	1.71	Less than 2 times the criteria.
CLBS1186	Selenium		0-0.5	4-5	1.6	1.5	1.1	0.896	Sample less than 2 times the critieria.
CLBS1039	Antimony		0-1		4.2	2	2.1	0.738	
	Cadmium		0-1		1.2	0.81	1.5	0.579	
CLBS2066	Molybdenum	0-0.5	5-5.5		2.18	1.642	1.3	2.74	Shallow sample does not exceed criteria. Deep sample less than 2 times the criteria.
CLBS2033	Cadmium		0-0.5	5-6	0.828	0.81	1.0	0.58	Split less than 2 times the criteria. Primary samples does not exceed criteria.
CLBS1054	Cobalt		0-1	4-5	54	26.18	2.1	38	Primary sample slightly over 2 times the criteria and less than the USL. Field dup less than criteria.
CLBS2041	Cadmium		0-0.5	5-6	0.894	0.81	1.1	0.579	Cadmium - Primary sample less than 2 times the criteria. Additionally, the split sample does not exceed the criteria. Copper is less than 2 times the criteria.
	Copper		0-0.5	5-6	72.2	42	1.7	102	
CLTS02S04	Thallium		4-4.5	8.5-9	1	0.76	1.3	0.991	Less than 2 times the criteria.
CLBS2095	Cadmium	0-0.5, 5-6	6-7	9-10	1.21	0.81	1.5	0.579	Less than 2 times the criteria.
	Hexavalent Chromium	0.5-1.5	9-10	14-15	3.9	1.4	2.8	1.706	Deep sample, bound above and below, less than 3 times the criteria.
CLBS1188	Cadmium		0.5-1	4-5.2	0.91	0.81	1.1	0.579	Sample less than 2 times the criteria.
CLBS1102	Cadmium		0-1		0.93	0.81	1.1	0.579	Sample less than 2 times the criteria.
CLBS1179	Cadmium		0-0.5	5-5.5	0.84	0.81	1.0	0.579	Sample less than 2 times the criteria.
CLBS2005	Barium		0-0.5	5-6	430	203.8	2.1	318.75	It is unclear where this boring is located. In GIS this boring is displayed just north of the boundary of Building 1449 where the GW treatment plant is currently located. The boring was drilled in 2013. New asphalt was installed sometime around 2010. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/22/2013.

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CLBS2004	Barium		0-0.5	5-5.8	371	203.8	1.8	318.75	It is unclear where this boring is located. In GIS this boring is displayed inside of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/16/2013.
CLBS2010	Barium		0-0.5		1060	203.8	5.2	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the boundary of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/30/2013.
	Copper		0-0.5		64.7	42	1.5	42.15	
CLBS2023	Barium		0-0.5		320	203.8	1.6	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the SE corner of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/16/2013.
	Cadmium		0-0.5		1.76	0.81	2.2	0.579	
CLBS0088	Barium		0		810	203.8	4.0	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the SW corner of Building 1449 where the GW treatment plant is currently located. A boring log does not appear to be available for this location. The location of this sample needs to be reviewed further.
CLBS2176	Arsenic		0-0.5		40	24.2	1.7	39.7	Sample less than 2 times the criteria.
	Arsenic			4-5	9.7	24.2	0.4	39.7	
	Arsenic			9-10	7.5	24.2	0.3	39.7	Sample less than 2 times the criteria.
	Arsenic			14-15	7.57	24.2	0.3	39.7	
CLBS2025	Barium		0-0.5		576	203.8	2.8	318.75	This sample appears to have been collected in gravel located to the south of the groundwater treatment plant. Is it possible the gravel placed in the area is the source of barium? There are also outstaning questions regarding where several samples located around building 1449 are located. Therefore this location has not been included for remediation at this time. It will be evaluated once the sample locations are confirmed.
	Barium		0-0.5		457	203.8	2.2	318.75	
CLBS2125	Cadmium		0-0.5		1.19	0.81	1.5	0.579	Sample less than 2 times the criteria.
CLBS1046	Antimony		0-1		3.6	2	1.8	0.738	Sample less than 2 times the criteria.
	Antimony		5-6		3.8	2	1.9	0.738	
CLBS1142	Barium	0-0.5	4.5-5.2		210	203.8	1.0	318.75	
	Selenium		0-0.5		1.6	1.5	1.1	0.896	Less than 2 times the criteria and/or less than the USL.
	Selenium	0-0.5	4.5-5.2		1.9	1.5	1.3	0.896	
CLBS3000	Cadmium		0-0.5		1.08	0.81	1.3	0.579	Sample less than 2 times the criteria.
CLST1000	Benzo(a)pyrene		0-1		0.0757	0.044	1.7		Sample less than 2 times the criteria.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
CLBS1035	Antimony		0-1		4.1	2	2.1	0.738	Isolated exceedance and just over 2 times the criteria.
	Antimony		4.5-5		2.4	2	1.2	0.738	
CLBS1013	Molybdenum		0-1		2.6	1.642	1.6	2.744	Sample less than 2 times the criteria.
CLBS2069	Molybdenum		0.5-1		3.5	1.642	2.1	2.744	Split less than 2 times the criteria. Primary samples just over 2 times the criteria.
CLBS2007	Selenium		1-2		3.15	1.642	1.9	0.896	Sample less than 2 times the criteria.
CLBS1021	Antimony		0-1		3.4	2	1.7	0.738	Sample less than 2 times the criteria.
	Antimony		5-6		2.8	2	1.4	0.738	
CLBS2081	Cadmium		0-0.5	5-6, 12.3-12.8	1.41	0.81	1.7	0.579	Sample less than 2 times the criteria.
	Lead		0-0.5	5-6, 12.3-12.8	43.6	39	1.1	42.15	
CLBS1016	Antimony		0-1		3.5	2	1.8	0.738	Shallow sample less than 2 times the criteria.
	Antimony		5-6		4.5	2	2.3	0.738	
	Cadmium		0-1	5-6	1.1	0.81	1.4	0.579	
CLBS1048	Manganese	0-1, 4.5-5	8-9		1200	920	1.3	959	Sample less than 2 times the criteria.
CLBS2115	Cadmium		0-0.5		1.51	0.81	1.9	0.579	Sample less than 2 times the criteria.
	Copper		0-0.5		63.2	42	1.5	42.15	

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Scenario 1 - Perimeter Pond									
PPBS2028	Molybdenum	0-0.5	5-6		1.8	1.642	1.1	2.744	Sample less than 2 times the criteria.
PPBS1009	Antimony		0-1		5.3	2	2.7	0.738	Sample is isolated and less than 3 times the criteria.
PPBS3003	Cadmium		0-0.5		1.28	0.81	1.6	0.579	Sample is isolated and less than 2 times the criteria.
PPBS1016	Antimony		5.5-6		2.5	2	1.3	0.738	Sample less than 2 times the criteria.
PPBS1017	Antimony		2.5-3		3.7	2	1.9	0.738	Sample less than 2 times the criteria.
PPBS2012	Cadmium		0-0.5	2-3, 5-6	1.65	0.81	2.0	0.579	Isolated sample. Just at 2 times the criteria.
PPBS1051	Selenium	0-0.5	2-2.8		1.7	1.5	1.1	0.896	Shallow sample does not exceed criteria. Deep sample less than 2 times the criteria.
PPBS1052	Selenium	0-0.5	2-2.5		1.7	1.5	1.1	0.896	Shallow sample does not exceed criteria. Deep sample less than 2 times the criteria.

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Scenario 1 - A1BP									
TTTS1025	Aroclor 1254	0-0.5	5.5-6		0.31	0.26	1.2		Sample less than 2 times the criteria.
	Cadmium	0-0.5	5.5-6		1	0.81	1.2	0.579	
TTTS1017	Cadmium		0-0.5	8.5-9	1	0.81	1.2	0.579	Less than 2 times the criteria.
	Copper		0-0.5	8.5-9	118	42	2.8	102	Clean primary sample.
TTTS1018	Cadmium		0-0.5	10-10.5	1.4	0.81	1.7	0.579	Sample less than 2 times the criteria.
	Copper		0-0.5	10-10.5	49.3	42	1.2	102	
TTBS2026	Cadmium		0-0.5		1.18	0.81	1.5	0.579	Sample less than 2 times the criteria.
TTBS2203	DioxinFuran_TEQ_Mammal		5-6		0.00000603	0.000005	1.2		Sample less than 2 times the criteria.
TTBS11	Cadmium		0-0.42		0.87	0.81	1.1	0.579	Sample less than 2 times the criteria.
TTBS2027	Cadmium		0-0.5		0.829	0.81	1.0	0.579	Sample less than 2 times the criteria.
TTBS1255	Selenium		0-0.5		1.9	1.5	1.3	0.896	Sample less than 2 times the criteria.
	Selenium		3-4		2	1.5	1.3	0.896	
TTSS05	DioxinFuran_TEQ_Mammal		0-0.05		0.00000614	0.000005	1.2		Base depth may be incorrect.
TTBS1258	Selenium	0-0.5	4.5-5		3.5	1.5	2.3	0.896	Shallow sample does not exceed criteria.
TTBS1000	Cadmium		0-0.5	4-5, 6-7	0.85	0.81	1.0	0.579	Sample less than 2 times the criteria.
TTBS1021	DioxinFuran_TEQ_Mammal		0-0.5	4.5-5	0.0000093	0.000005	1.9		Sample less than 2 times the criteria.
	DioxinFuran_TEQ_Mammal	4.5-5	6.5-7		0.00000628	0.000005	1.3		
	Cadmium		0-0.5	4.5-5	1.1	0.81	1.4	0.579	
	Cadmium	4.5-5	6.5-7		0.92	0.81	1.1	0.579	
TTBS1020	Antimony		0-0.5		3	2	1.5	0.738	Sample less than 2 times the criteria.
	Antimony		2.5-3		2.4	2	1.2	0.738	
	Cadmium		0-0.5	2.5-3	0.9	0.81	1.1	0.579	
TTBS1170	DioxinFuran_TEQ_Mammal		0-0.5		0.00000869	0.000005	1.7		Sample less than 2 times the criteria.
TTBS1171	DioxinFuran_TEQ_Mammal		0-0.5		0.00000524	0.000005	1.0		Sample less than 2 times the criteria.
TTBS2047	Antimony		0-0.5		3.53	2	1.8	0.738	Sample less than 2 times the criteria.
SB_TTF-7	Cadmium		0-0.5		1.4	0.81	1.7	0.579	Sample less than 2 times the criteria.
TTBS1140	Zinc		0-0.5	4-4.8	450	320	1.4	185	Sample less than 2 times the criteria.
TTBS2005	Chromium		0-0.5		78.5	60.11	1.3	80.85	Less than 2 times the criteria and the split sample does not exced the criteria.
TTBS1047	Cobalt	0-0.5, 4-5	9-10		33	26.18	1.3	38	Overlying samples do not exceed criteria.
TTBS1031	DioxinFuran_TEQ_Mammal	0-0.5, 4-5	10-11		0.00000871	0.000005	1.7		Overlying samples do not exceed criteria.
TTBS2053	Manganese		0-0.5		1080	920	1.2	959	Sample less than 2 times the criteria.
TTBS1261	Chromium		0-0.5		80	60.11	1.3	80.85	Concentrations typically less than 2 times the criteria or less than the USL.
	Chromium		1.5-2		73	60.11	1.2	80.85	
	Cobalt		0-0.5		37	26.18	1.4	38	
	Cobalt		1.5-2		35	26.18	1.3	38	
	Manganese	0-0.5	1.5-2		1000	920	1.1	959	
	Nickel		0-0.5		140	64.2	2.2	113	
	Nickel		1.5-2		130	64.2	2.0	113	
	Vanadium		0-0.5	1.5-2	114	111.8	1.0	150.6	

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TTBS1193	Chromium		0-0.5		75	60.11	1.2	80.85	
	Chromium		1.3-2.3		68	60.11	1.1	80.85	
	Cobalt		0-0.5		45	26.18	1.7	38	
	Cobalt		1.3-2.3		40	26.18	1.5	38	
	Copper	0-0.5	1.3-2.3		48	42	1.1	102	Concentrations typically less than 2 times the criteria or less than the USL.
	Manganese		0-0.5	1.3-2.3	1100	920	1.2	959	
	Nickel		0-0.5		160	64.2	2.5	113	
	Nickel		1.3-2.3		120	64.2	1.9	113	
	Vanadium		0-0.5	1.3-2.3	120	111.8	1.1	150.6	
TTBS1262	Chromium		0-0.5		100	60.11	1.7	80.85	
	Chromium		1-1.5		100	60.11	1.7	80.85	
	Cobalt		0-0.5		47	26.18	1.8	38	
	Cobalt		1-1.5		43	26.18	1.6	38	Concentrations typically less than 2 times the criteria or less than the USL.
	Copper		0-0.5	1-1.5	48	42	1.1	102	
	Nickel		0-0.5		150	64.2	2.3	113	
	Nickel		1-1.5		170	64.2	2.6	113	
	Vanadium		0-0.5	1-1.5	120	111.8	1.1	150.6	
TTBS2061	Chromium		0-0.5		79.1	60.11	1.3	80.85	
	Cobalt		0-0.5		29.2	26.18	1.1	38	Sample less than 2 times the screening criteria and/or less than the USL.
	Nickel		0-0.5		119	64.2	1.9	113	
TTBS3010	Nickel		0-0.5	2.5-3	69.5	64.2	1.1	113	Sample less than 2 times the screening criteria and less than the USL.
TTBS3043	Nickel		0-0.5		73.9	64.2	1.2	113	Sample less than 2 times the screening criteria and less than the USL.
TTBS1038	DioxinFuran_TEQ_Mammal	0-0.5	4-5	7.5-8.5	0.00000502	0.000005	1.0		Concentrations generally less than 2 times the criteria. Additionally, the surface sample does not exceed the criteria.
	Copper	0-0.5	4-5	7.5-8.5	97	42	2.3	102	
	Molybdenum	0-0.5	4-5	7.5-8.5	2	1.642	1.2	2.744	
TTBS70	Thallium	0-0.5, 1.5-2	3-3.5		0.81	0.76	1.1	0.991	Surface sample less than crieria. Deeper sample does not exceed 2 times the criteria and is less than the USL.
TTBS15	Molybdenum		0-0.05		2.7	1.642	1.6	2.744	Sample less than 2 times the criteria and less than the USL.
TTBS1060	DioxinFuran_TEQ_Mammal	0-0.5	1.5-2		0.00000524	0.000005	1.0		Sample less than 2 times the criteria.
TTBS1039	Benzo(a)pyrene		0-0.5		0.051	0.044	1.2		Sample less than 2 times the criteria.
TTBS2008	DioxinFuran_TEQ_Mammal		0-0.5		0.00000555	0.000005	1.1		Sample less than 2 times the criteria.
TTBS1175	Barium		0.5-1		210	203.8	1.0	318.75	Sample less than 2 times the criteria.
TTBS1070	Cobalt	0-0.5	2-3		33.7	26.18	1.3	38	
	Manganese		0-0.5		977	920	1.1	959	Samples less than 2 times the criteria.
	Manganese		2-3		1430	920	1.6	959	
	Nickel	0-0.5	2-3		117	64.2	1.8	113	

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TTBS2016	Chromium		0-0.5		79.2	60.11	1.3	80.85	
	Cobalt		0-0.5		29.1	26.18	1.1	38	Samples less than 2 times the criteria.
	Nickel		0-0.5		122	64.2	1.9	113	
TTTS1039	Benzo(a)pyrene		0-0.5		0.051	0.044	1.2		Sample less than 2 times the criteria.
TTBS1157	Chromium	0-0.5	4-5		106	60.11	1.8	80.85	
	Chromium		9-10		85.3	60.11	1.4	80.85	
	Cobalt	0-0.5	4-5	9-10	33.8	26.18	1.3	38	Samples less than 2 times the criteria. Surface samples do not exceed criteria.
	Nickel	0-0.5	4-5		126	64.2	2.0	113	
	Nickel		9-10		96.1	64.2	1.5	113	
	Vanadium	0-0.5	4-5	9-10	120	111.8	1.1	150.6	
TTTS1033	Cadmium		0-0.5	2.5-3	0.9	0.81	1.1	0.579	Sample less than 2 times the criteria.
TTTS1031	Benzo(a)pyrene	0-0.5	4-4.5		0.0464	0.044	1.1		One surface sample less than criteria. Split sample has elevated detection limits. This should be looked into further.
TTBS1131	Benzo(a)pyrene		0-0.5		0.093	0.044	2.1		Isolated detection and just over 2 times the screening criteria.
TTBS1130	Aroclor 1254		0-0.5		0.519	0.26	2.0		
	Aroclor 1254		1.5-2		0.413	0.26	1.6		Sample just at for one aroclor 1254 analysis. All remaining are less than 2 times the criteria.
	Cadmium		0-0.5		0.99	0.81	1.2	0.579	
	Cadmium		0-0.5	1.5-2	1.3	0.81	1.6	0.579	
	Lead		0-0.5	1.5-2	41.1	39	1.1	42.15	
TTBS3017	DioxinFuran_TEQ_Mammal		0-0.5		0.0000148	0.000005	3.0		Isolated detection. The only parmater detected exceeding the screening criteria.
TTBS3022	DioxinFuran_TEQ_Mammal		0-0.5		0.00000531	0.000005	1.1		Sample less than 2 times the criteria. Split sample less than criteria.
TTBS1194	Selenium	0-0.5	0.5-1.5		5.1	1.5	3.4		Surface sample less than criteria. Underlying exceedance appears to be isolated.
SB_TTF-5	Cadmium		0-0.5		1.6	0.81	2.0	0.579	Samples just at 2 times the screening criteria.

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Scenario 1 - CTL-V									
CTBS2066	Arsenic	0-0.5, 5-6	9-10		27.3	24.2	1.1	39.7	Sample less than 2 times the criteria.
	Molybdenum	0-0.5, 5-6	9-10		1.74	1.642	1.1	2.744	
CTBS1019	Antimony		0-1		3.8	2	1.9	0.738	Sample less than 2 times the criteria.
CTBS2073	Cadmium		0-0.5		1.88	0.81	2.3	0.579	Isolated sample. Very close sample with no exceedance of criteria.
CTBS1030	Antimony		0-1	3.5-4.5	3.4	2	1.7	0.738	Sample less than 2 times the criteria.
CTBS1002	Antimony, P		0-1		3.2	2	1.6	0.738	Primary sample less than 2 times the screening criteria. FD slightly over 2 times the screening criteria.
	Antimony, FD		0-1		4.2	2	2.1	0.738	
CTBS1035	Antimony		0-1		3.1	2	1.6	0.738	Sample less than 2 times the criteria.
CTBS2078	Cadmium		0-0.5		0.813	0.81	1.0	0.579	Sample less than 2 times the criteria.
CTBS1137	Selenium		2-3		1.6	1.5	1.1	0.896	Sample less than 2 times the criteria.
CTBS1027	Selenium	0-1	4-4.25		1.9	1.5	1.3	0.896	Sample less than 2 times the criteria.
CTBS2095	Molybdenum	0-0.5	3.5-4.2		2.42	1.642	1.5	2.744	Sample less than 2 times the criteria.
CTBS1101	Cadmium		0-1		0.88	0.81	1.1	0.579	Sample less than 2 times the criteria.
CTBS1102	Antimony		0-1		3.5	2	1.8	0.738	Sample less than 2 times the criteria.
CTBS04	Zinc		0.5		390	320	1.2	185	Sample less than 2 times the criteria.
CTBS2105	Selenium	0-0.5	4-5		1.68	1.5	1.1	0.896	Sample less than 2 times the criteria.
CTBS1121	Cadmium, FD		0-0.5		1.5	0.81	1.9	0.579	Sample less than 2 times the criteria.
	Cadmium, P		0-0.5		1.3	0.81	1.6	0.579	
CTBS2045	Nickel		0-0.5	5-6, 9-10	72.8	64.2	1.1	113	Sample less than 2 times the criteria.
CTBS2047	Zinc		0-0.5	4-5	532	320	1.7	185	Sample less than 2 times the criteria.
CTBS2053	Lead		0-0.4		42.1	39	1.1	42.15	Sample less than 2 times the criteria.
TTBS1222	Cadmium		0-0.5		0.82	0.81	1.0	0.579	Sample less than 2 times the criteria.
CTBS1148	Selenium		10-11		1.8	1.5	1.2	0.896	Sample less than 2 times the criteria.
CABS1161	Aroclor 5460		0-0.5		0.27	0.262	1.0		Sample less than 2 times the criteria.
CABS1088	Aroclor 1254		0.5-1		0.27	0.26	1.0		Sample less than 2 times the criteria.
CTBS2102	Chromium		0-0.5		69	60.11	1.1	80.85	Sample less than 2 times the criteria and less than the USL.
	Molybdenum		0-0.5		1.66	1.642	1.0	2.744	
CTBS3018	Antimony		0-0.5		2.15	2	1.1	0.738	Sample less than 2 times the criteria.
CABS0511	Benzo(a)pyrene		0-1		0.077	0.044	1.8		Sample less than 2 times the criteria.
CTBS20	Aroclor 1254		0-0.5		0.47	0.26	1.8		Sample less than 2 times the criteria.
CABS1152	DioxinFuran_TEQ_Mammal		0-1.5		0.000005148	0.000005	1.0		Sample less than 2 times the criteria.
CTBS1033	Antimony		0-0.5		3.9	2	2.0	0.738	Sample less than 2 times the criteria.

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Scenario 1 - ECL									
ECBS1406	Copper		0 - 1		48	42	1.14	102.00	Sample isolated and less than 2 times the criteria. Less than 95 USL
ECBS1020	Copper		0 - 1		42.8	42	1.02	102.00	Sample isolated and less than 2 times the criteria. Less than 95 USL
ECBS2055	Arsenic		0.0-0.5		33.4	24.2	1.38	39.70	Sample isolated and less than 2 times the criteria. Less than 95 USL
ECBS2001	Arsenic		0.0-0.5		24.4	24.2	1.01	39.70	Sample isolated and less than 2 times the criteria. Less than 95 USL
ECTS18S02	Chromium		6.0 - 6.5		60.6	60.11	1.01	80.95	Sample isolated and less than 2 times the criteria. Less than 95 USL

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Scenario 1 - Sivernale									
SNBS13	Cobalt		0.0-0.5		32	26.18	1.22	38.00	Sample isolated and less than 2 times the criteria. Less than 95 USL.
SNBS3006	Molybdenum		0.0-0.5		1.66	1.642	1.01	2.74	Sample isolated and less than 2 times the criteria. Less than 95 USL
BGSS03	Antimony		0.0-0.5		7	2	3.50	0.74	Isolated sample of soil pocket in bedrock outcrop area.
	Antimony		1.0-1.0		6.5	2	3.25	0.74	Isolated sample of soil pocket in bedrock outcrop area.

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Scenario 1 - Compound A									
CFBS2000	Nickel		0-0.5	3.5-4	70.1	64.2	1.09	113	Sample isolated and less than 2 times the criteria and less than the USL.
CFBS2069	Manganese	0-0.5	4-5		972	920	1.06	959	Shallow sample does not exceed criteria. Deeper sample less than 2 times the criteria. Additionally, the split sample from 4-5 ft bgs does not exceed the criteria.
CFBS2075	Lead		0-0.5		42.4	39	1.09	42.15	Sample less than 2 times the criteria and only slightly exceeds the 95 USL.
CFBS2012	Copper		0-0.5	4.5-5.5	51.7	42	1.23	102	Sample less than 2 times the criteria and copper does not exceed the USL.
	Lead		0-0.5	4.5-5.5	62.8	39	1.61	42.15	
CFBS2034	Nickel		0-0.5	6-7	72.4	64.2	1.13	113	Sample less than 2 times the criteria and does not exceed the USL.
CFBS2035	Nickel		0-0.5	5-6	84.6	64.2	1.32	113	Sample less than 2 times the criteria and does not exceed the USL.
CFBS2040	Cadmium		0-0.5	3.5-4	1.1	0.81	1.36	0.579	Sample less than 2 times the criteria for cadmium.
CFBS2026	Antimony	0-0.5	4-5		3.35	2	1.68	0.738	Shallow sample does not exceed criteria. Deeper sample less than 2 times the criteria. Additionally, the primary sample from 4-5 ft bgs does not exceed the criteria.
CFBS3013	Chromium		0-0.5		60.3	60.11	1.00	80.85	Sample less than 2 times the criteria and less than the USL.
			3-4		69.2	60.11	1.15	80.85	
	Nickel		0-0.5		88.3	64.2	1.38	113	
			3-4		104	64.2	1.62	113	
P2TS45	Silver		1.5-2		40.7	29	1.40	0.138	Sample less than 2 times the criteria and isolated.
CFBS3003	Cadmium		0-0.5		0.876	0.81	1.08	0.58	Sample less than 2 times the criteria for cadmium.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 1 - EEL									
ELBS2006	Arsenic		5-6	9-10	26.2	24.2	1.08	39.7	Sample less than two times the criteria and less than the USL.
ELBS1016	Barium	0-1	5-6		230	203.8	1.13	318.75	Sample less than two times the criteria and less than the USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 1 - STL-IV									
SLBS3103	Dixoin TEQ Mammal		0.0-0.5		0.00000658	0.000005	1.32		Sample isolated and less than 2 times the criteria.
SLBS2118	Cadmium	0.0-0.5	0.5-1.25		0.875	0.81	1.08	0.579	Shallow sample does not exceed criteria. Both shallow and deep sample less than 2 times the criteria.
SLBS2157	Molybdenum		0.0-0.5		2.82	1.642	1.72	2.744	Sample isolated and less than 2 times the criteria. Slight exceedance of the USL.
SLBS2145	Cadmium		0.0-0.5		1.15	0.81	1.42	0.579	Sample isolated and less than 2 times the criteria.
SLBS2034	Cadmium		0.0-0.5		0.922	0.81	1.14	0.579	
	Lead		0.0-0.5		57	39	1.46	42.15	Sample isolated and less than 2 times the criteria.
	Zinc		0.0-0.5		433	320	1.35	185	
SLBS2039	Cadmium		0.0-0.5		1.19	0.81	1.47	0.579	Sample isolated and less than 2 times the criteria.
SLTS1500	Benzo(a)pyrene		1-2		0.064	0.044	1.45		Sample isolated and less than 2 times the criteria.
SLBS1056	Benzo(a)pyrene	0-1	5-6		0.0491	0.044	1.12	0.0023	Shallow sample does not exceed criteria. Deeper sample less than 2 times the criteria.
SLBS2143	Cadmium		0.0-0.5		0.841	0.81	1.04	0.579	Sample less than 2 times criteria. Very slight exceedance.
SLBS1004	Molybdenum		0-1		0.51	1.642	0.31	2.744	Shallow sample does not exceed criteria. Deeper sample less than 2 times the criteria.
			5-6		4.2	1.642	2.56	2.744	
SLBS2149	Cadmium		0-1		0.826	0.81	1.02	0.579	Cadmium - Sample less than 2 times criteria. Very slight exceedance.
	Lead		0-0.5		52.2	39	1.34	42.15	Lead - Less than 2 times criteria.
SLBS1054	Nickel		0-1		66.4	64.2	1.03	113	Sample isolated and less than 2 times the criteria. Very slight exceedance of criteria and less than the USL.
			5-6		25.6	64.2	0.40	113	
SLBS2033	Molybdenum		0-0.5		1.65	1.642	1.00	2.744	Samples less than 2 times the criteria and less than the USL.
	Molybdenum		5-6		1.78	1.642	1.08	2.744	
SLBS1422	Barium		0.5-1		100	203.8	0.49	318.75	Shallow sample does not exceed criteria. Deeper sample less than 2 times the criteria and less than the USL.
	Barium		5.5-6		230	203.8	1.13	318.75	
SLBS2032	Cadmium		0-0.5		0.923	0.81	1.14	0.579	Sample less than 2 times criteria.
SLBS2161	Lead		0-0.5		50.8	39	1.30	42.15	Sample less than 2 times criteria.
SLBS1012	Cadmium		0-1		2.9	0.81	3.58	0.579	Note primary sample concentration is 1.3 mg/kg for cadmium from 0-1 ft bgs. The split sample is 0.51 mg/kg for cadmium from 0-1 ft bgs. Lead is less than the 95 USL.
	Lead		0-1		39.2	39	1.01	42.15	
SLBS3142	Cadmium		0-0.5		1.12	0.81	1.38	0.579	
SLBS2137	Chromium	0-0.5	0.5-1.5		77.6	60.11	1.29	80.85	Shallow sample does not exceed criteria. Deeper sample less than 2 times the criteria and less than the USL.
	Copper	0-0.5	0.5-1.5		50.6	42	1.20	102.00	
	Nickel	0-0.5	0.5-1.5		67	64.2	1.04	113.00	
SLBS2100	Cadmium		0-0.5	5-6	1.1	0.81	1.36	0.58	Sample isolated and less than 2 times the criteria.
SLBS3002	Cadmium		0-0.5	2.5-3	0.891	0.81	1.10	0.58	Sample isolated and less than 2 times the criteria.
SLBS1060	Cadmium		0-0.5	5-6	0.99	0.81	1.22	0.58	Sample less than two times the criteria for cadmium and copper and less than the USL for copper.
	Copper		0-0.5	5-6	76.5	42	1.82	102.00	
SLBS2042	Cadmium		0-0.5		0.858	0.81	1.06	0.58	Sample less than 2 times the criteria for cadmium.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 1 - STP-3									
STBS2060	Copper	0-1	4.5-5	5-6	55.4	42	1.32	102	Sample less than two times the criteria and less than the USL.
STBS2051	Nickel		0-0.5		65.1	64.2	1.01	113	Sample less than two times the criteria and less than the USL.
STBS2040	Nickel		0-0.5		69.3	64.2	1.08	113	Sample less than two times the criteria and less than the USL.
	Nickel		2.5-3		69.7	64.2	1.09	113	Sample less than two times the criteria and less than the USL.

Rationale for Exclusion Southern Buffer Zone

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Exclusion Rationale
Scenario 1 - Southern Buffer Zone									
UOFS2137	Molybdenum		0 - 0.5		4.58	1.642	2.79	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
UOFS1011	Molybdenum		0 - 0.5		3.3	1.642	2.01	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
UOFS3101	Molybdenum		0 - 0.5		2.58	1.642	1.57	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOFS3000	Molybdenum		0 - 0.5		3.1	1.642	1.89	2.744	Exceedance less than 2x criteria, may be naturally occurring.
UOBS3020	Molybdenum		0 - 0.5		2.44	1.642	1.49	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3047	Molybdenum		0 - 0.5		3.62	1.642	2.20	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
	Molybdenum		4.0 -5.0		3.84	1.642	2.34	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
UOBS3048	Molybdenum		0 - 0.5		3.48	1.642	2.12	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
UOBS3098	Molybdenum		0 - 0.5		3.94	1.642	2.40	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
UOBS3097	Molybdenum		0 - 0.5		4.13	1.642	2.52	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
UOFS1007	B(a)P		0 - 0.5		0.045	0.044	1.02		Non-operational area that will be assessd further.
UOBS3043	Molybdenum		0 - 0.5		4.22	1.642	2.57	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
	Molybdenum		3 - 3.5		2.17	1.642	1.32	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOSS1019	Molybdenum		0 - 0.5		1.9	1.642	1.16	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS2032	Cadmium		0 - 0.5	5-6	1.02	0.81	1.26	0.579	Exceedance less than 2x criteria, at or below 95 USL, field duplicate did not exceed.
UOBS1012	Molybdenum		0 - 0.5		2.2	1.642	1.34	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
BZSS02	Molybdenum		0 - 0.5		2.6	1.642	1.58	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
	Antimony		0 - 0.5		4.4	2.0	2.20	0.738	Non-operational area that will be assessd further.
BCSS09	Thallium		0 - 0.5		1.9	0.76	2.50	0.991	Non-operational area that will be assessd further.
BGSS07	Antimony		0 - 0.5		5.3	2.0	2.65	0.738	Non-operational area that will be assessd further.
UOBS3000	Molybdenum		0 - 0.5		3.04	1.642	1.85	2.744	Exceedance less than 2x criteria, may be naturally occurring.
UOBS3019	Molybdenum		0 - 0.5		4.34	1.642	2.64	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
	Molybdenum		0 - 0.5		3.81	1.642	2.32	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
BCSS12	Molybdenum		0 - 0.5		2	1.642	1.22	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3012	Molybdenum		0 - 0.5		2.51	1.642	1.53	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOSS1020	Molybdenum		0 - 0.5		4.9	1.642	2.98	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
UOBS3084	Molybdenum		0 - 0.5		3.59	1.642	2.19	2.744	Exceedance less than 3x Scenario 1 criteria, may be naturally occurring.
	Molybdenum		5.0 - 6.0		2.67	1.642	1.63	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
BKND-5	Thallium		0-0		3.3	0.76	4.34	0.991	Non-operational area that will be assessd further.
UOBS2011	Molybdenum		0-0.5		1.85	1.642	1.13	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS2015	Molybdenum		0-0.5		15.9	1.642	9.68	2.744	Not in or contiguous to known operational area, may be naturally occurring.
BZSS04	Antimony		0-0.5		6.3	2.0	3.15	0.738	Non-operational area that will be assessd further.
SB_TTF_BG-1	Cadmium		0-0.5		2.4	0.81	2.96	0.579	Non-operational area that will be assessd further.
UOFS1005	Antimony		0-0.5		4.9	2.0	2.45	0.738	Non-operational area that will be assessd further.
	Molybdenum		0-0.5		5.8	1.642	3.53	2.744	Field duplicate exceeded, primary did not. Not in or contiguous to known operational area, may be naturally occurring.
UOBS3046	Molybdenum		0-0.5		21.1	1.642	12.85	2.744	Not in or contiguous to known operational area, may be naturally occurring.
UOBS3010	Molybdenum		0-0.5		10.7	1.642	6.52	2.744	Not in or contiguous to known operational area, may be naturally occurring.
BZSS03	Antimony		0-0.5		7.4	2.0	3.70	0.738	Non-operational area that will be assessd further.
	Antimony		1-1		8.7	2.0	4.35	0.738	Non-operational area that will be assessd further.

Appendix B

Supporting Documentation for Scenario 2

Appendix B

Supporting Documentation for Scenario 2

Polygons

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
AFBS0103	1A Central	APTF	APTF-2-S1	690	2.00	51.1				2.50	63.9		
AFBS1018	1A Central	APTF	APTF-2-S1	881	2.00	65.2	3411.3	234.7		2.50	81.5	297.9	
AFBS0121	1A Central	APTF	APTF-2-S1	870	2.00	64.4				2.50	80.6		
AFBS1020	1A Central	APTF	APTF-2-S1	971	1.50	54.0				2.00	71.9		
AFBS1065	1A Central	APTF	APTF-2-S10	221	2.00	16.4	221.5	16.4		2.50	20.5	20.5	
AFBS1004	1A Central	APTF	APTF-2-S108	281	7.00	73.0	575.6	149.2		7.50	78.2	159.9	
AFBS1082	1A Central	APTF	APTF-2-S108	294	7.00	76.3				7.50	81.7		
APTF-1-1	1A Central	APTF	APTF-2-S109	616	6.00	136.8	615.8	136.8		6.50	148.2	148.2	
AFBS1131	1A Central	APTF	APTF-2-S11	334	1.50	18.6	334.1	18.6		2.00	24.7	24.7	
AFBS0076	1A Central	APTF	APTF-2-S12	365	3.00	40.6	365.0	40.6		3.50	47.3	47.3	
AFBS1013	1A Central	APTF	APTF-2-S121	570	2.00	42.2	1272.5	198.3		2.50	52.8	221.9	
AFBS1014	1A Central	APTF	APTF-2-S121	702	6.00	156.1				6.50	169.1		
AFBS62	1A Central	APTF	APTF-2-S15	175	1.00	6.5	174.5	6.5		1.50	9.7	9.7	
AFBS1088	1A Central	APTF	APTF-2-S16	603	1.50	33.5	1071.6	59.5		2.00	44.6	79.4	
AFBS1089	1A Central	APTF	APTF-2-S16	469	1.50	26.1				2.00	34.7		
AFBS1098	1A Central	APTF	APTF-2-S17	491	2.00	36.4	491.3	36.4		2.50	45.5	45.5	
AFBS1040S001	1A Central	APTF	APTF-2-S18	171	1.50	9.5	329.4	18.3		2.00	12.7	24.4	
AFBS1040S070	1A Central	APTF	APTF-2-S18	158	1.50	8.8				2.00	11.7		
	1A Central	APTF	APTF-2-S19	174	2.00	12.9	174.4	12.9		2.50	16.1	16.1	
AFBS01	1A Central	APTF	APTF-2-S2	600	6.00	133.3				6.50	144.4		
AFBS1054	1A Central	APTF	APTF-2-S2	367	9.00	122.3				9.50	129.1		
AFBS1055	1A Central	APTF	APTF-2-S2	658	6.00	146.3	3017.7	569.5		6.50	158.5	625.3	
AFBS0151	1A Central	APTF	APTF-2-S2	598	2.50	55.4			2937.3	3.00	66.5		3347.3
AFBS1027	1A Central	APTF	APTF-2-S2	360	6.00	79.9				6.50	86.6		
APTF-CH-19	1A Central	APTF	APTF-2-S2	434	2.00	32.2				2.50	40.2		
	1A Central	APTF	APTF-2-S20	174	2.00	12.9	173.7	12.9		2.50	16.1	16.1	
	1A Central	APTF	APTF-2-S21	167	2.00	12.4	167.4	12.4		2.50	15.5	15.5	
AFBS35	1A Central	APTF	APTF-2-S22	240	1.75	15.6	240.3	15.6		2.25	20.0	20.0	
AFBS1007	1A Central	APTF	APTF-2-S3	424	3.00	47.1				3.50	54.9		
AFBS1069	1A Central	APTF	APTF-2-S3	587	6.00	130.4	1764.4	345.0		6.50	141.3	377.7	
AFBS09	1A Central	APTF	APTF-2-S3	754	6.00	167.5				6.50	181.5		
AFBS12	1A Central	APTF	APTF-2-S5	466	2.50	43.2				3.00	51.8		
AFBS1008	1A Central	APTF	APTF-2-S5	964	2.50	89.2				3.00	107.1		
AFBS1100	1A Central	APTF	APTF-2-S5	1513	11.00	616.3	6383.8	939.9		11.50	644.3	1058.1	
AFBS1079	1A Central	APTF	APTF-2-S5	1105	1.50	61.4				2.00	81.9		
AFBS05	1A Central	APTF	APTF-2-S5	673	1.50	37.4				2.00	49.8		
AFBS1080	1A Central	APTF	APTF-2-S5	1663	1.50	92.4				2.00	123.2		
AFBS1000	1A Central	APTF	APTF-2-S8	326	2.00	24.1	325.8	24.1		2.50	30.2	30.2	
APTF-2-35	1A Central	APTF	APTF-2-S100	278	4.00	41.1	277.7	41.1		4.50	46.3	46.3	
APTF-1-30	1A Central	APTF	APTF-2-S101	75	4.00	11.1	198.9	20.3		4.50	12.5	24.0	
AFBS0093	1A Central	APTF	APTF-2-S101	124	2.00	9.2				2.50	11.5		
AFBS31S04	1A Central	APTF	APTF-2-S106	133	1.00	4.9				1.50	7.4		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
AFBS1041S002	1A Central	APTF	APTF-2-S106	168	1.50	9.3	555.1	28.4		2.00	12.4	38.7	
AFBS1041S070	1A Central	APTF	APTF-2-S106	164	1.50	9.1				2.00	12.1		
AFBS1042	1A Central	APTF	APTF-2-S106	91	1.50	5.1				2.00	6.7		
ILBS1526	1A Central	B359	B359-2-S1	2477	1.50	137.6	2476.6	137.6		2.00	183.4	183.4	
AFBS0161	1A Central	B359	B359-2-S10	258	2.50	23.9	258.4	23.9		3.00	28.7	28.7	
BSBS40	1A Central	B359	B359-2-S11	143	2.50	13.2	220.0	19.5		3.00	15.9	23.6	
BSLS03	1A Central	B359	B359-2-S11	77	2.20	6.3				2.70	7.7		
AFBS0158	1A Central	B359	B359-2-S12	314	2.50	29.1	314.4	29.1		3.00	34.9	34.9	
BSBS0134	1A Central	B359	B359-2-S14	505	2.30	43.0	2144.3	183.1		2.80	52.3	222.8	
BSBK17	1A Central	B359	B359-2-S14	638	1.50	35.4				2.00	47.2		
BSBS02	1A Central	B359	B359-2-S14	661	3.50	85.7				4.00	98.0		
BSBS1022	1A Central	B359	B359-2-S14	341	1.50	18.9				2.00	25.3		
BSBS15	1A Central	B359	B359-2-S15	216	1.50	12.0	216.5	12.0		2.00	16.0	16.0	
BSBS66	1A Central	B359	B359-2-S16	132	1.50	7.3	131.9	7.3		2.00	9.8	9.8	
BSLB64	1A Central	B359	B359-2-S17	114	1.50	6.4	273.4	68.2		2.00	8.5	73.3	
BSBK50	1A Central	B359	B359-2-S17	159	10.50	61.8				11.00	64.8		
BSLS28	1A Central	B359	B359-2-S18	338	1.33	16.7	338.4	16.7		1.83	22.9	22.9	
BSBS1018	1A Central	B359	B359-2-S19	438	7.00	113.7	438.4	113.7		7.50	121.8	121.8	
AFBS1106	1A Central	B359	B359-2-S21b	1265	16.00	749.7	1265.2	749.7		16.50	773.2	773.2	
AFBS1048	1A Central	B359	B359-2-S22b	117	6.00	26.1	2892.8	592.2		6.50	28.3	645.7	
AFBS1044	1A Central	B359	B359-2-S22b	575	7.00	149.0				7.50	159.7		
BSBK11	1A Central	B359	B359-2-S22b	332	6.00	73.7				6.50	79.8		
AFBS19	1A Central	B359	B359-2-S22b	55	2.00	4.1				2.50	5.1		
AFBS18S03	1A Central	B359	B359-2-S22b	299	2.00	22.2				2.50	27.7		
AFBS1045	1A Central	B359	B359-2-S22b	278	7.00	72.0				7.50	77.1		
AFBS56	1A Central	B359	B359-2-S22b	39	1.50	2.2				2.00	2.9		
AFBS19S04	1A Central	B359	B359-2-S22b	286	2.00	21.2				2.50	26.5		
AFBS19S03	1A Central	B359	B359-2-S22b	79	2.00	5.9				2.50	7.3		
BSBS1055	1A Central	B359	B359-2-S22b	833	7.00	215.9				7.50	231.3		
AFBS0145	1A Central	B359	B359-2-S23	301	2.00	22.3	3428.6	257.2		2.50	27.9	320.7	
AFBS1076	1A Central	B359	B359-2-S23	172	5.50	35.0				6.00	38.2		
AFBS19S02	1A Central	B359	B359-2-S23	737	2.00	54.6				2.50	68.2		
AFBS30	1A Central	B359	B359-2-S23	725	2.00	53.7				2.50	67.1		
AFBS1051	1A Central	B359	B359-2-S23	647	1.50	36.0				2.00	47.9		
AFBS29	1A Central	B359	B359-2-S23	313	1.50	17.4				2.00	23.2		
AFBS18S05	1A Central	B359	B359-2-S23	319	2.00	23.6				2.50	29.5		
AFBS57	1A Central	B359	B359-2-S23	69	1.50	3.8				2.00	5.1		
AFBS19S01	1A Central	B359	B359-2-S23	145	2.00	10.8				2.50	13.5		
AFBS1050	1A Central	B359	B359-2-S24	209	7.00	54.1	1345.5	307.6		7.50	58.0	332.5	
BSBK12	1A Central	B359	B359-2-S24	629	2.00	46.6				2.50	58.2		
BSBS1010	1A Central	B359	B359-2-S24	508	11.00	206.9				11.50	216.3		

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BSBS1058	1A Central	B359	B359-2-S25a	507	20.00	375.6	815.7	404.2		20.50	385.0	419.3	
BSBS1063	1A Central	B359	B359-2-S25a	309	2.50	28.6				3.00	34.3		
AFBS0064	1A Central	B359	B359-2-S26	495	1.90	34.8	3869.0	981.3		2.40	44.0	1052.9	
AFBS1021	1A Central	B359	B359-2-S26	1138	11.00	463.7				11.50	484.8		
AFBS1081	1A Central	B359	B359-2-S26	965	11.00	393.0				11.50	410.9		
AFBS0116	1A Central	B359	B359-2-S26	653	2.00	48.4				2.50	60.5		
AFBS33	1A Central	B359	B359-2-S26	239	1.50	13.3				2.00	17.7		
AFBS0115	1A Central	B359	B359-2-S26	380	2.00	28.1				2.50	35.1		
BSTC19S04	1A Central	B359	B359-2-S27	363	3.50	47.1	1985.2	312.2		4.00	53.8	349.0	
BSLS43	1A Central	B359	B359-2-S27	389	1.50	21.6				2.00	28.8		
BSTS21	1A Central	B359	B359-2-S27	352	5.00	65.2				5.50	71.8		
BSBR06	1A Central	B359	B359-2-S27	199	10.50	77.2				11.00	80.9		
BSBS05	1A Central	B359	B359-2-S27	682	4.00	101.1				4.50	113.7		
BSBS27	1A Central	B359	B359-2-S28	310	5.00	57.5	2116.4	524.2		5.50	63.2	563.4	
BSLR50	1A Central	B359	B359-2-S28	386	6.00	85.7				6.50	92.8		
BSBS08	1A Central	B359	B359-2-S28	57	13.00	27.5				13.50	28.6		
BSLC19S05	1A Central	B359	B359-2-S28	57	2.50	5.3				3.00	6.4		
BSBK0054	1A Central	B359	B359-2-S28	45	11.00	18.2				11.50	19.0		
BSBS1006	1A Central	B359	B359-2-S28	720	7.00	186.6				7.50	199.9		
BSBS1007	1A Central	B359	B359-2-S28	277	7.00	71.9				7.50	77.0		
BSBR08	1A Central	B359	B359-2-S28	152	9.00	50.7				9.50	53.6		
BSTC19S14	1A Central	B359	B359-2-S28	112	5.00	20.8				5.50	22.8		
BSLB62	1A Central	B359	B359-2-S29	744	9.00	247.9	743.6	247.9		9.50	261.6	261.6	
ILBS1124	1A Central	B359	B359-2-S2a	941	11.00	383.5	1640.9	422.3		11.50	400.9	452.7	
BSBS1040	1A Central	B359	B359-2-S2a	700	1.50	38.9				2.00	51.8		
BSTS31S01	1A Central	B359	B359-2-S2b	408	7.00	105.9	1492.9	294.9		7.50	113.5	322.6	
BSBS0161	1A Central	B359	B359-2-S2b	409	10.00	151.5				10.50	159.1		
BSBS1042	1A Central	B359	B359-2-S2b	675	1.50	37.5				2.00	50.0		
BSBS1000	1A Central	B359	B359-2-S3	1555	1.50	86.4	5037.3	355.5		2.00	115.2	448.8	
BSBS1037	1A Central	B359	B359-2-S3	811	1.50	45.0				2.00	60.0		
BSTC25S11	1A Central	B359	B359-2-S3	742	3.50	96.2				4.00	110.0		
BSTS07S01	1A Central	B359	B359-2-S3	104	2.50	9.7				3.00	11.6		
BSBS1038	1A Central	B359	B359-2-S3	745	1.50	41.4				2.00	55.2		
BSBK13	1A Central	B359	B359-2-S3	749	1.00	27.7				1.50	41.6		
BSTC25S08	1A Central	B359	B359-2-S3	99	4.00	14.7				4.50	16.5		
BSTC25S10	1A Central	B359	B359-2-S3	232	4.00	34.4				4.50	38.7		
BSBS1004	1A Central	B359	B359-2-S30	451	5.00	83.6	805.1	149.1		5.50	92.0	164.0	
BSLK01	1A Central	B359	B359-2-S30	354	5.00	65.5				5.50	72.0		
BSTS33S01	1A Central	B359	B359-2-S31	402	6.00	89.4	402.5	89.4		6.50	96.9	96.9	
BSBS24	1A Central	B359	B359-2-S32	574	1.50	31.9	573.7	31.9		2.00	42.5	42.5	
BSTS28	1A Central	B359	B359-2-S33	626	9.00	208.7	626.1	208.7		9.50	220.3	220.3	
BSLS33	1A Central	B359	B359-2-S37	649	1.50	36.1				2.00	48.1		

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BSLS21	1A Central	B359	B359-2-S37	3070	1.04	118.3	5694.8	371.1		1.54	175.1	476.6	
BSBS0104	1A Central	B359	B359-2-S37	723	5.50	147.2				6.00	160.6		
BSBS1045	1A Central	B359	B359-2-S37	1253	1.50	69.6				2.00	92.8		
BSBS1031	1A Central	B359	B359-2-S38	1602	1.50	89.0	3595.4	273.6		2.00	118.7	340.2	
BSBS1027	1A Central	B359	B359-2-S38	1993	2.50	184.6				3.00	221.5		
BSBS0139	1A Central	B359	B359-2-S4	713	2.00	52.8	712.8	52.8		2.50	66.0	66.0	
BSTC25S07	1A Central	B359	B359-2-S40	512	3.50	66.3	511.5	66.3		4.00	75.8	75.8	
BSBS1034	1A Central	B359	B359-2-S41	760	5.00	140.8	760.2	140.8		5.50	154.9	154.9	
BSLS23	1A Central	B359	B359-2-S43a	762	1.35	38.1	761.9	38.1		1.85	52.2	52.2	
BSLR88	1A Central	B359	B359-2-S43b	598	1.00	22.2	999.9	37.6		1.50	33.2	56.1	
BSLS89	1A Central	B359	B359-2-S43b	401	1.04	15.5			11179.0	1.54	22.9		12777.0
BSLS08	1A Central	B359	B359-2-S46b	105	10.00	38.8				10.50	40.7		
BSBS35	1A Central	B359	B359-2-S46b	126	10.00	46.5				10.50	48.9		
BSLS78	1A Central	B359	B359-2-S46b	834	1.50	46.3				2.00	61.8		
BSBS45	1A Central	B359	B359-2-S46b	369	2.00	27.3				2.50	34.2		
BSLS54	1A Central	B359	B359-2-S46b	664	1.50	36.9				2.00	49.2		
BSBS46	1A Central	B359	B359-2-S46b	505	2.00	37.4				2.50	46.8		
BSLR80	1A Central	B359	B359-2-S46b	292	1.50	16.2				2.00	21.6		
BSBR19	1A Central	B359	B359-2-S46b	501	6.50	120.7				7.00	129.9		
BSBS1009	1A Central	B359	B359-2-S46b	619	1.50	34.4	6733.4	562.0		2.00	45.9	686.7	
BSLS53	1A Central	B359	B359-2-S46b	439	1.50	24.4				2.00	32.5		
BSLS52	1A Central	B359	B359-2-S46b	515	1.50	28.6				2.00	38.1		
BSLS27	1A Central	B359	B359-2-S46b	334	1.33	16.4				1.83	22.6		
BSBT02	1A Central	B359	B359-2-S46b	270	1.04	10.4				1.54	15.4		
BSBS1013	1A Central	B359	B359-2-S46b	164	2.50	15.2				3.00	18.2		
BSBS1008	1A Central	B359	B359-2-S46b	135	4.00	20.0				4.50	22.5		
BSBS0144S070	1A Central	B359	B359-2-S46b	165	2.00	12.2				2.50	15.3		
BSLS42	1A Central	B359	B359-2-S46b	236	1.50	13.1				2.00	17.5		
BSLR89	1A Central	B359	B359-2-S46b	460	1.00	17.1				1.50	25.6		
BSLR82	1A Central	B359	B359-2-S47a	555	1.50	30.8	1004.3	72.4		2.00	41.1	91.0	
BSBS1011	1A Central	B359	B359-2-S47a	449	2.50	41.6				3.00	49.9		
BSBS1059	1A Central	B359	B359-2-S47b	314	10.00	116.2				10.50	122.0		
BSBS1012	1A Central	B359	B359-2-S47b	716	10.00	265.3				10.50	278.6		
BSLS48	1A Central	B359	B359-2-S47b	330	1.50	18.3				2.00	24.4		
BSBS1014	1A Central	B359	B359-2-S47b	62	7.00	16.0	1780.8	477.9		7.50	17.2	510.9	
BSBS34	1A Central	B359	B359-2-S47b	102	11.00	41.7				11.50	43.6		
BSBT04	1A Central	B359	B359-2-S47b	130	1.33	6.4				1.83	8.8		
BSLS07	1A Central	B359	B359-2-S47b	124	3.00	13.8				3.50	16.1		
BSLS32	1A Central	B359	B359-2-S47b	2	1.33	0.1				1.83	0.2		
BSLS46	1A Central	B359	B359-2-S47c	499	1.50	27.7	824.6	100.1		2.00	36.9	115.4	
BSBK10	1A Central	B359	B359-2-S47c	326	6.00	72.4				6.50	78.4		
AFBS0157	1A Central	B359	B359-2-S49	197	2.50	18.2	196.8	18.2		3.00	21.9	21.9	

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BSTS10	1A Central	B359	B359-2-S5	32	2.50	3.0	32.0	3.0		3.00	3.6	3.6	
BSLS14	1A Central	B359	B359-2-S52	687	1.50	38.2				2.00	50.9		
BSBT01	1A Central	B359	B359-2-S52	106	1.33	5.2				1.83	7.2		
BSBS73	1A Central	B359	B359-2-S52	882	3.00	98.0				3.50	114.3		
AFBS0159	1A Central	B359	B359-2-S52	394	2.50	36.4				3.00	43.7		
BSBS42	1A Central	B359	B359-2-S52	425	1.50	23.6	3864.5	333.3		2.00	31.5	404.8	
BSBS41	1A Central	B359	B359-2-S52	200	3.00	22.3				3.50	26.0		
BSLR29	1A Central	B359	B359-2-S52	569	4.00	84.3				4.50	94.9		
BSLS26	1A Central	B359	B359-2-S52	90	1.33	4.4				1.83	6.1		
BSBS53	1A Central	B359	B359-2-S52	513	1.10	20.9				1.60	30.4		
BSBS43	1A Central	B359	B359-2-S53	292	3.50	37.9				4.00	43.3		
BSBS0150	1A Central	B359	B359-2-S53	1066	2.00	79.0				2.50	98.7		
BSLR01	1A Central	B359	B359-2-S53	324	4.00	48.0				4.50	54.0		
BSBS1047	1A Central	B359	B359-2-S53	236	2.50	21.9				3.00	26.2		
BSLR44	1A Central	B359	B359-2-S53	292	4.00	43.2	4723.0	401.1		4.50	48.7	488.6	
BSBS50	1A Central	B359	B359-2-S53	581	1.25	26.9				1.75	37.7		
BSBS49	1A Central	B359	B359-2-S53	668	2.00	49.5				2.50	61.8		
BSBS1043	1A Central	B359	B359-2-S53	664	2.50	61.5				3.00	73.8		
BSLS82	1A Central	B359	B359-2-S53	600	1.50	33.3				2.00	44.4		
BSBS1083	1A Central	B359	B359-2-S54a	273	1.50	15.1				2.00	20.2		
BSLS90	1A Central	B359	B359-2-S54a	1016	1.04	39.1				1.54	58.0		
BSLS36	1A Central	B359	B359-2-S54a	1070	1.50	59.4				2.00	79.2		
BSLK06	1A Central	B359	B359-2-S54a	695	1.04	26.8	3806.7	198.4		1.54	39.6	268.9	
BSLB65	1A Central	B359	B359-2-S54a	337	1.50	18.7				2.00	25.0		
BSLB63	1A Central	B359	B359-2-S54a	199	1.50	11.1				2.00	14.8		
BSLC26S05	1A Central	B359	B359-2-S54a	217	3.50	28.2				4.00	32.2		
BSLS80	1A Central	B359	B359-2-S54b	1836	1.50	102.0				2.00	136.0		
BSLS88	1A Central	B359	B359-2-S54b	910	1.04	35.1	3533.3	180.8		1.54	51.9	246.2	
BSBS1069	1A Central	B359	B359-2-S54b	788	1.50	43.8				2.00	58.3		
BSBS21	1A Central	B359	B359-2-S54c	188	7.50	52.2				8.00	55.7		
BSBS61	1A Central	B359	B359-2-S54c	179	4.00	26.5	555.3	112.6		4.50	29.8	122.9	
BSBK51	1A Central	B359	B359-2-S54c	81	2.00	6.0				2.50	7.5		
BSBS1021	1A Central	B359	B359-2-S54c	108	7.00	27.9				7.50	29.9		
BSLS57	1A Central	B359	B359-2-S55a	569	1.50	31.6				2.00	42.2		
BSLS59	1A Central	B359	B359-2-S55a	343	1.50	19.0				2.00	25.4		
BSBS1019	1A Central	B359	B359-2-S55a	168	7.00	43.5				7.50	46.6		
BSLS63	1A Central	B359	B359-2-S55a	428	1.50	23.8	3344.5	207.0		2.00	31.7	268.9	
BSLS56	1A Central	B359	B359-2-S55a	367	1.50	20.4				2.00	27.2		
BSLS58	1A Central	B359	B359-2-S55a	708	1.50	39.4				2.00	52.5		
BSLS20	1A Central	B359	B359-2-S55a	761	1.04	29.3				1.54	43.4		
BSLB67	1A Central	B359	B359-2-S55b	351	1.50	19.5				2.00	26.0		

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BSLS37	1A Central	B359	B359-2-S55b	528	1.50	29.4	1645.4	91.4		2.00	39.1	121.9	
BSLS61	1A Central	B359	B359-2-S55b	515	1.50	28.6				2.00	38.1		
BSLS62	1A Central	B359	B359-2-S55b	251	1.50	14.0				2.00	18.6		
BSBS1030	1A Central	B359	B359-2-S56	1375	2.50	127.3	3207.1	602.3		3.00	152.8	661.7	
BSBS1070	1A Central	B359	B359-2-S56	1832	7.00	474.9				7.50	508.9		
BSBS1033	1A Central	B359	B359-2-S6	82	1.50	4.5	617.7	61.3		2.00	6.1	72.8	
BSBK43	1A Central	B359	B359-2-S6	85	4.50	14.2				5.00	15.8		
BSBK40	1A Central	B359	B359-2-S6	119	4.50	19.8				5.00	22.0		
BSBK41	1A Central	B359	B359-2-S6	95	2.00	7.1				2.50	8.8		
BSBS70	1A Central	B359	B359-2-S6	96	1.50	5.4				2.00	7.1		
BSBK42	1A Central	B359	B359-2-S6	70	2.00	5.2				2.50	6.5		
BSBK45	1A Central	B359	B359-2-S6	70	2.00	5.2				2.50	6.5		
BSTS09	1A Central	B359	B359-2-S7	262	2.50	24.3	1223.6	112.3		3.00	29.1	135.0	
BSBS69	1A Central	B359	B359-2-S7	157	1.50	8.7				2.00	11.6		
BSBK47	1A Central	B359	B359-2-S7	260	3.00	28.8				3.50	33.6		
BSBK44	1A Central	B359	B359-2-S7	272	2.50	25.2				3.00	30.3		
BSBK46	1A Central	B359	B359-2-S7	272	2.50	25.2				3.00	30.3		
BSBS1048	1A Central	B359	B359-2-S9	307	11.00	125.2	307.3	125.2		11.50	130.9	130.9	
HNBS0124	1A Central	HVN	HVN-2-S12	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
HNBS0011	1A Central	HVN	HVN-2-S13	193	7.00	50.2	949.4	344.1		7.50	53.7	361.7	
HNBS0034	1A Central	HVN	HVN-2-S13	756	10.50	294.0				11.00	308.0		
HNBS0003	1A Central	HVN	HVN-2-S14	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
HNBS0009	1A Central	HVN	HVN-2-S16	846	6.50	203.7	846.0	203.7		7.00	219.3	219.3	
HNBS0001	1A Central	HVN	HVN-2-S17	293	2.00	21.7	293.0	21.7		2.50	27.1	27.1	
HVBS11	1A Central	HVN	HVN-2-S19	161	7.00	41.8	161.4	41.8		7.50	44.8	44.8	
HVBS18	1A Central	HVN	HVN-2-S2	651	1.50	36.2	1250.9	80.6		2.00	48.2	103.8	
HNBS0002	1A Central	HVN	HVN-2-S2	600	2.00	44.4				2.50	55.5		
HNBS0100	1A Central	HVN	HVN-2-S4	401	11.00	163.4	401.2	163.4		11.50	170.9	170.9	
HVBS0100	1A Central	HVN	HVN-2-S6	271	14.00	140.7	4676.6	629.0		14.50	145.7	715.6	
HVTC09S42	1A Central	HVN	HVN-2-S6	253	3.50	32.8				4.00	37.5		
HVBD75	1A Central	HVN	HVN-2-S6	341	3.50	44.1				4.00	50.4		
HVBD79	1A Central	HVN	HVN-2-S6	475	1.50	26.4				2.00	35.2		
HVTC09S07	1A Central	HVN	HVN-2-S6	571	3.00	63.5				3.50	74.1		
HVTC09S21	1A Central	HVN	HVN-2-S6	430	3.00	47.8				3.50	55.8		
HVTC09S10	1A Central	HVN	HVN-2-S6	182	3.00	20.2				3.50	23.5		
HVLC09S43	1A Central	HVN	HVN-2-S6	173	3.50	22.4				4.00	25.6		
HVTC09S44	1A Central	HVN	HVN-2-S6	183	3.50	23.7				4.00	27.1		
HVTC09S41	1A Central	HVN	HVN-2-S6	337	3.00	37.4				3.50	43.7		
HVTC09S08	1A Central	HVN	HVN-2-S6	362	3.00	40.2				3.50	46.9		
HVBD78	1A Central	HVN	HVN-2-S6	446	1.50	24.8				2.00	33.0		
HVTC09S12	1A Central	HVN	HVN-2-S6	234	3.50	30.3				4.00	34.7		
BSLR83	1A Central	HVN	HVN-2-S6	235	1.50	13.1				2.00	17.4		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
HVBS36	1A Central	HVN	HVN-2-S6	185	9.00	61.7				9.50	65.1		
HVBS50	1A Central	HVN	HVN-2-S7	589	10.00	218.1				10.50	229.1		
HVBF15	1A Central	HVN	HVN-2-S7	960	10.00	355.6				10.50	373.4		
HNBS0122	1A Central	HVN	HVN-2-S7	914	10.00	338.5				10.50	355.4		
HVBS35	1A Central	HVN	HVN-2-S7	256	10.00	94.9				10.50	99.6		
HVBS09	1A Central	HVN	HVN-2-S7	293	10.00	108.4				10.50	113.9		
HVSS06	1A Central	HVN	HVN-2-S7	273	10.00	101.3				10.50	106.3		
HVBD86	1A Central	HVN	HVN-2-S7	901	10.00	333.7				10.50	350.4		
HNBS0006	1A Central	HVN	HVN-2-S7	2188	10.00	810.2				10.50	850.7		
HVBD82	1A Central	HVN	HVN-2-S7	621	10.00	230.1				10.50	241.6		
HVTC09S37	1A Central	HVN	HVN-2-S7	332	10.00	123.1			9121.2	10.50	129.2		9677.4
HVTC09S26	1A Central	HVN	HVN-2-S7	134	10.00	49.5				10.50	52.0		
HVTC09S24	1A Central	HVN	HVN-2-S7	304	10.00	112.6				10.50	118.3		
HVTC09S22	1A Central	HVN	HVN-2-S7	147	10.00	54.5				10.50	57.2		
HNBS0021	1A Central	HVN	HVN-2-S7	331	10.00	122.5				10.50	128.7		
HVBF14	1A Central	HVN	HVN-2-S7	519	10.00	192.3				10.50	201.9		
HVTC09S03	1A Central	HVN	HVN-2-S7	422	10.00	156.2				10.50	164.0		
HVBK93	1A Central	HVN	HVN-2-S7	356	10.00	131.8				10.50	138.4		
HVTC09S40	1A Central	HVN	HVN-2-S7	226	10.00	83.5				10.50	87.7		
HVBD81	1A Central	HVN	HVN-2-S7	411	10.00	152.3				10.50	159.9		
HVBD87	1A Central	HVN	HVN-2-S7	1772	10.00	656.4				10.50	689.3		
HVBD90	1A Central	HVN	HVN-2-S7	569	10.00	210.9	20041.0	7409.5		10.50	221.4	7780.6	
HVTC09S39	1A Central	HVN	HVN-2-S7	188	10.00	69.5				10.50	73.0		
HVLB12	1A Central	HVN	HVN-2-S7	269	10.00	99.5				10.50	104.5		
HVBD88	1A Central	HVN	HVN-2-S7	1040	10.00	385.2				10.50	404.5		
HVBF42	1A Central	HVN	HVN-2-S7	117	10.00	43.4				10.50	45.6		
HVTC09S27	1A Central	HVN	HVN-2-S7	357	10.00	132.3				10.50	138.9		
HVTC09S25	1A Central	HVN	HVN-2-S7	304	10.00	112.6				10.50	118.2		
HVTC09S17	1A Central	HVN	HVN-2-S7	331	10.00	122.7				10.50	128.8		
BSLR87	1A Central	HVN	HVN-2-S7	42	10.00	15.7				10.50	16.5		
HVTC09S35	1A Central	HVN	HVN-2-S7	420	10.00	155.5				10.50	163.2		
HNBS0105	1A Central	HVN	HVN-2-S7	675	10.00	250.0				10.50	262.5		
HNBS0012	1A Central	HVN	HVN-2-S7	619	10.00	229.2				10.50	240.7		
HVTC09S36	1A Central	HVN	HVN-2-S7	227	10.00	84.0				10.50	88.2		
HVTC09S38	1A Central	HVN	HVN-2-S7	307	10.00	113.9				10.50	119.6		
HVBS71	1A Central	HVN	HVN-2-S7	343	10.00	127.1				10.50	133.5		
HNBS0015	1A Central	HVN	HVN-2-S7	44	2.00	3.3				2.50	4.1		
HVBD83	1A Central	HVN	HVN-2-S7	1013	10.00	375.2				10.50	393.9		
HVLK94	1A Central	HVN	HVN-2-S7	497	10.00	184.2				10.50	193.4		
HVBS13	1A Central	HVN	HVN-2-S7	96	10.00	35.4				10.50	37.2		
HVBS12	1A Central	HVN	HVN-2-S7	127	10.00	47.0				10.50	49.4		
HVBS03	1A Central	HVN	HVN-2-S7	506	10.00	187.3				10.50	196.6		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
HNBS0103	1A Central	HVN	HVN-2-S11	401	11.00	163.4	401.1	163.4		11.50	170.9	170.9	
BSLR85	1A Central	HVN	HVN-2-S22	112	1.50	6.2	213.5	11.9		2.00	8.3	15.8	
BSLR86	1A Central	HVN	HVN-2-S22	101	1.50	5.6				2.00	7.5		
A1TS21	1A North	AILF	A1LF-2-S1	1321	10.00	489.3				10.50	513.8		
A1TS23	1A North	AILF	A1LF-2-S1	906	10.00	335.5				10.50	352.3		
A1TS22	1A North	AILF	A1LF-2-S1	1348	10.00	499.3				10.50	524.2		
A1TS33	1A North	AILF	A1LF-2-S1	2249	10.00	833.0				10.50	874.7		
A1TS01	1A North	AILF	A1LF-2-S1	2204	10.00	816.2				10.50	857.1		
A1TS02	1A North	AILF	A1LF-2-S1	3393	10.00	1256.5				10.50	1319.3		
A1TS25	1A North	AILF	A1LF-2-S1	2708	10.00	1003.0				10.50	1053.1		
A1BS11	1A North	AILF	A1LF-2-S1	4182	10.00	1548.8				10.50	1626.2		
A1BS0113	1A North	AILF	A1LF-2-S1	386	10.00	142.9				10.50	150.1		
B-1-01	1A North	AILF	A1LF-2-S1	383	10.00	141.9				10.50	149.0		
A1BS06	1A North	AILF	A1LF-2-S1	714	10.00	264.6				10.50	277.8		
A1BS0050	1A North	AILF	A1LF-2-S1	309	10.00	114.5				10.50	120.3		
A1BS0045	1A North	AILF	A1LF-2-S1	724	10.00	268.3				10.50	281.7		
A1BS0098	1A North	AILF	A1LF-2-S1	158	10.00	58.4				10.50	61.3		
B-1-02	1A North	AILF	A1LF-2-S1	1669	10.00	618.2				10.50	649.1		
A1TS06	1A North	AILF	A1LF-2-S1	1487	10.00	550.7				10.50	578.3		
A1TS08	1A North	AILF	A1LF-2-S1	1911	10.00	707.9				10.50	743.3		
A1BS0034	1A North	AILF	A1LF-2-S1	5140	10.00	1903.6				10.50	1998.8		
A1BS0044	1A North	AILF	A1LF-2-S1	2179	10.00	806.9				10.50	847.2		
A1BS01	1A North	AILF	A1LF-2-S1	2420	10.00	896.4				10.50	941.2		
A1TS03	1A North	AILF	A1LF-2-S1	5222	10.00	1934.1				10.50	2030.8		
A1TS13	1A North	AILF	A1LF-2-S1	3604	10.00	1334.8				10.50	1401.5		
A1TS44	1A North	AILF	A1LF-2-S1	2091	10.00	774.6				10.50	813.3		
A1TS48	1A North	AILF	A1LF-2-S1	2984	10.00	1105.2				10.50	1160.5		
A1TS34	1A North	AILF	A1LF-2-S1	2732	10.00	1011.8				10.50	1062.4		
A1TS35	1A North	AILF	A1LF-2-S1	2236	10.00	828.3				10.50	869.7		
A1TS15	1A North	AILF	A1LF-2-S1	2146	10.00	795.0				10.50	834.7		
A1TS18	1A North	AILF	A1LF-2-S1	1248	10.00	462.4				10.50	485.5		
A1TS28	1A North	AILF	A1LF-2-S1	1117	10.00	413.7				10.50	434.4		
A1TS39	1A North	AILF	A1LF-2-S1	2030	10.00	752.0				10.50	789.6		
A1TS31	1A North	AILF	A1LF-2-S1	1894	10.00	701.5				10.50	736.6		
A1TS0057A	1A North	AILF	A1LF-2-S1	1977	10.00	732.4				10.50	769.0		
A1TS30	1A North	AILF	A1LF-2-S1	2152	10.00	797.2				10.50	837.1		
A1TS24	1A North	AILF	A1LF-2-S1	943	10.00	349.4				10.50	366.9		
A1TS41	1A North	AILF	A1LF-2-S1	1321	10.00	489.3				10.50	513.7		
A1TS38	1A North	AILF	A1LF-2-S1	1277	10.00	473.0				10.50	496.7		
A1TS37	1A North	AILF	A1LF-2-S1	1347	10.00	498.8				10.50	523.7		
A1TS36	1A North	AILF	A1LF-2-S1	1560	10.00	577.8				10.50	606.7		
A1TS43	1A North	AILF	A1LF-2-S1	1491	10.00	552.4				10.50	580.0		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
A1TS40	1A North	AILF	A1LF-2-S1	598	10.00	221.5				10.50	232.6		
A1TS32	1A North	AILF	A1LF-2-S1	1041	10.00	385.6				10.50	404.8		
A1TS26	1A North	AILF	A1LF-2-S1	1787	10.00	661.9	122348.9	45314.4		10.50	695.0	47580.1	
A1BS1008	1A North	AILF	A1LF-2-S1	1457	10.00	539.7				10.50	566.7		
A1TS20	1A North	AILF	A1LF-2-S1	1437	10.00	532.3				10.50	558.9		
A1TS17	1A North	AILF	A1LF-2-S1	3145	10.00	1164.8				10.50	1223.1		
A1TS16	1A North	AILF	A1LF-2-S1	1365	10.00	505.6				10.50	530.9		
A1TS14	1A North	AILF	A1LF-2-S1	2011	10.00	745.0				10.50	782.2		
A1BS0062	1A North	AILF	A1LF-2-S1	1527	10.00	565.4				10.50	593.7		
A1TS52S01	1A North	AILF	A1LF-2-S1	1223	10.00	452.9				10.50	475.6		
A1TS50	1A North	AILF	A1LF-2-S1	1444	10.00	534.8				10.50	561.5		
A1TS45	1A North	AILF	A1LF-2-S1	1882	10.00	697.0			51469.8	10.50	731.9		54296.9
A1BS0053	1A North	AILF	A1LF-2-S1	1635	10.00	605.6				10.50	635.9		
A1TS11	1A North	AILF	A1LF-2-S1	1497	10.00	554.5				10.50	582.2		
A1TS05	1A North	AILF	A1LF-2-S1	3611	10.00	1337.3				10.50	1404.2		
A1BS0061	1A North	AILF	A1LF-2-S1	1843	10.00	682.6				10.50	716.8		
B-1-03	1A North	AILF	A1LF-2-S1	755	10.00	279.5				10.50	293.4		
A1TS09	1A North	AILF	A1LF-2-S1	1469	10.00	544.0				10.50	571.2		
A1BS03	1A North	AILF	A1LF-2-S1	3023	10.00	1119.8				10.50	1175.8		
A1BS0102	1A North	AILF	A1LF-2-S1	153	10.00	56.7				10.50	59.5		
A1BS0101	1A North	AILF	A1LF-2-S1	168	10.00	62.1				10.50	65.2		
A1BS0099	1A North	AILF	A1LF-2-S1	371	10.00	137.3				10.50	144.2		
A1BS0093	1A North	AILF	A1LF-2-S1	1038	10.00	384.4				10.50	403.6		
A1BS0097	1A North	AILF	A1LF-2-S1	165	10.00	61.1				10.50	64.2		
A1BS0092	1A North	AILF	A1LF-2-S1	496	10.00	183.7				10.50	192.9		
A1BS0091	1A North	AILF	A1LF-2-S1	470	10.00	173.9				10.50	182.6		
A1BS0114	1A North	AILF	A1LF-2-S1	1188	10.00	440.2				10.50	462.2		
A1BS10	1A North	AILF	A1LF-2-S1	277	10.00	102.5				10.50	107.6		
A1BS09	1A North	AILF	A1LF-2-S1	136	10.00	50.2				10.50	52.8		
A1BS08	1A North	AILF	A1LF-2-S1	254	10.00	94.0				10.50	98.7		
A1BS0086	1A North	AILF	A1LF-2-S1	1030	10.00	381.6				10.50	400.6		
A1BS0085	1A North	AILF	A1LF-2-S1	432	10.00	159.9				10.50	167.9		
A1BS07	1A North	AILF	A1LF-2-S1	245	10.00	90.6				10.50	95.1		
A1BS0079	1A North	AILF	A1LF-2-S1	617	10.00	228.6				10.50	240.0		
A1BS0077	1A North	AILF	A1LF-2-S1	88	10.00	32.5				10.50	34.1		
A1BS0068	1A North	AILF	A1LF-2-S1	343	10.00	127.1				10.50	133.5		
A1BS0074	1A North	AILF	A1LF-2-S1	313	10.00	116.0				10.50	121.8		
A1BS0073	1A North	AILF	A1LF-2-S1	92	10.00	34.1				10.50	35.8		
A1BS0052	1A North	AILF	A1LF-2-S1	368	10.00	136.2				10.50	143.0		
A1BS05	1A North	AILF	A1LF-2-S1	172	10.00	63.8				10.50	66.9		
A1BS04	1A North	AILF	A1LF-2-S1	565	10.00	209.3				10.50	219.7		
A1BS0051	1A North	AILF	A1LF-2-S1	674	10.00	249.8				10.50	262.3		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
A1TS19	1A North	AILF	A1LF-2-S1	1492	10.00	552.6				10.50	580.2		
A1TS27	1A North	AILF	A1LF-2-S1	934	10.00	345.9				10.50	363.2		
A1TS0058A	1A North	AILF	A1LF-2-S1	2352	10.00	871.0				10.50	914.5		
A1BS1021	1A North	AILF	A1LF-2-S2	3722	11.00	1516.2				11.50	1585.1		
A1BS1007	1A North	AILF	A1LF-2-S2	4682	6.00	1040.3				6.50	1127.0		
A1BS1006	1A North	AILF	A1LF-2-S2	2796	1.50	155.3	17539.5	4488.3		2.00	207.1	4813.1	
A1BS1003	1A North	AILF	A1LF-2-S2	1378	6.00	306.3				6.50	331.8		
ILBS1097	1A North	AILF	A1LF-2-S2	4962	8.00	1470.1				8.50	1562.0		
A1BS1019	1A North	AILF	A1LF-2-S3	5711	5.00	1057.6	5711.0	1057.6		5.50	1163.3	1163.3	
ILBS1096	1A North	AILF	A1LF-2-S4	179	1.50	10.0				2.00	13.3		
A1TS07	1A North	AILF	A1LF-2-S4	2189	3.00	243.3	2499.5	277.4		3.50	283.8	323.7	
A1TS10	1A North	AILF	A1LF-2-S4	131	5.00	24.2				5.50	26.6		
A1BS1009	1A North	AILF	A1LF-2-S6	507	5.00	93.9				5.50	103.2		
ENBS0102	1A North	AILF	A1LF-2-S6	200	1.50	11.1				2.00	14.8		
A1BS1020	1A North	AILF	A1LF-2-S6	328	1.50	18.2	1711.5	166.1		2.00	24.3	197.8	
ENBS0105	1A North	AILF	A1LF-2-S6	389	1.50	21.6				2.00	28.8		
ENBS0037	1A North	AILF	A1LF-2-S6	287	2.00	21.3				2.50	26.6		
EPTWBS09S070	1A North	AILF	A1LF-2-S9	401	2.00	29.7	401.2	29.7		2.50	37.1	37.1	
A1BS1005	1A North	AILF	A1LF-2-S8	1171	1.50	65.0	2452.4	136.2		2.00	86.7	181.7	
A1BS1004	1A North	AILF	A1LF-2-S8	1282	1.50	71.2				2.00	95.0		
BGSS01	1A North	B-1	B1-2-S1	79	1.50	4.4	78.5	4.4		2.00	5.8	5.8	
B1BS1021	1A North	B-1	B1-2-S10	707	1.50	39.3	706.8	39.3		2.00	52.4	52.4	
B1BS1011	1A North	B-1	B1-2-S11	252	2.50	23.3				3.00	28.0		
B1BS1144	1A North	B-1	B1-2-S11	481	6.00	106.9	2665.6	237.6		6.50	115.8	287.0	
B1BS1015	1A North	B-1	B1-2-S11	1443	1.50	80.2				2.00	106.9		
B1BS1014	1A North	B-1	B1-2-S11	489	1.50	27.2				2.00	36.3		
B1BS1114	1A North	B-1	B1-2-S12	790	1.50	43.9	790.2	43.9		2.00	58.5	58.5	
B1BS1022	1A North	B-1	B1-2-S13	1064	7.00	275.9				7.50	295.6		
B1BS1024	1A North	B-1	B1-2-S13	693	11.00	282.2	2294.1	717.3		11.50	295.0	759.8	
B1BS04	1A North	B-1	B1-2-S13	537	8.00	159.2				8.50	169.2		
B1BS25	1A North	B-1	B1-2-S14	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
B1BS02	1A North	B-1	B1-2-S15	156	7.00	40.5				7.50	43.4		
B1-9	1A North	B-1	B1-2-S15	82	7.50	22.8	706.7	187.6		8.00	24.3	200.7	
SB_B351-9	1A North	B-1	B1-2-S15	364	7.50	101.2				8.00	107.9		
B1BS0056	1A North	B-1	B1-2-S15	104	6.00	23.1				6.50	25.1		
B1BS1105	1A North	B-1	B1-2-S16	2769	7.00	717.9				7.50	769.1		
B1BS1108	1A North	B-1	B1-2-S16	1758	7.00	455.7				7.50	488.2		
B1BS0048	1A North	B-1	B1-2-S16	1111	1.75	72.0	12362.0	2479.5		2.25	92.6	2708.4	
B1BS1167	1A North	B-1	B1-2-S16	1544	2.50	143.0				3.00	171.6		
B1BS1109	1A North	B-1	B1-2-S16	2459	7.00	637.4				7.50	682.9		
B1BS1104	1A North	B-1	B1-2-S16	2721	4.50	453.5				5.00	503.9		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
B1BS1170	1A North	B-1	B1-2-S18	930	1.50	51.7	929.8	51.7	6898.1	2.00	68.9	68.9	7635.6
B1BS1166	1A North	B-1	B1-2-S19	1604	1.50	89.1	1603.9	89.1		2.00	118.8	118.8	
B1TS0012	1A North	B-1	B1-2-S20	1645	6.00	365.7	1645.5	365.7		6.50	396.1	396.1	
B1BS1073	1A North	B-1	B1-2-S23	1962	2.50	181.7	1962.5	181.7		3.00	218.1	218.1	
B1BS1040	1A North	B-1	B1-2-S25	642	1.50	35.6				2.00	47.5		
B1BS1139	1A North	B-1	B1-2-S25	200	1.50	11.1	1117.1	62.1		2.00	14.8	82.8	
B1BS1140	1A North	B-1	B1-2-S25	275	1.50	15.3				2.00	20.4		
B1BS1071	1A North	B-1	B1-2-S27	3477	7.00	901.3	3476.6	901.3		7.50	965.7	965.7	
B1BS1159	1A North	B-1	B1-2-S28	401	10.00	148.6	401.2	148.6		10.50	156.0	156.0	
B1BS1085	1A North	B-1	B1-2-S29	196	2.50	18.1	195.7	18.1		3.00	21.7	21.7	
B1BS1084	1A North	B-1	B1-2-S3	79	2.50	7.3	78.5	7.3		3.00	8.7	8.7	
B1BS0055	1A North	B-1	B1-2-S30	308	6.00	68.4	307.6	68.4		6.50	74.1	74.1	
B1BS1165	1A North	B-1	B1-2-S17	2541	2.50	235.2				3.00	282.3		
B1BS1211	1A North	B-1	B1-2-S17	487	11.00	198.4	5475.7	916.1		11.50	207.4	1017.5	
B1BS1107	1A North	B-1	B1-2-S17	2055	5.00	380.5				5.50	418.5		
B1BS1103	1A North	B-1	B1-2-S17	394	7.00	102.1				7.50	109.4		
	1A North	B-1	B1-2-S38	401	1.00	14.8	400.9	14.8		1.50	22.3	22.3	
B1BS1069	1A North	B-1	B1-2-S4	463	2.50	42.9	463.4	42.9		3.00	51.5	51.5	
B1BS1041	1A North	B-1	B1-2-S5	401	2.50	37.1	401.1	37.1		3.00	44.6	44.6	
B1BS1117	1A North	B-1	B1-2-S6	537	1.50	29.8	537.2	29.8		2.00	39.8	39.8	
B1ET0682	1A North	B-1	B1-2-S7	113	2.00	8.4	113.2	8.4		2.50	10.5	10.5	
B1-19	1A North	B-1	B1-2-S9	365	8.00	108.2	706.7	215.7		8.50	115.0	228.8	
SB_B351-19	1A North	B-1	B1-2-S9	342	8.50	107.5				9.00	113.8		
ILBS1510	1A North	IEL	IEL-2-S1	1613	1.50	89.6	2313.4	206.4		2.00	119.5	249.2	
ILBS1525	1A North	IEL	IEL-2-S1	701	4.50	116.8				5.00	129.8		
NDTC0084	1A North	IEL	IEL-2-S10	287	1.50	16.0				2.00	21.3		
NDTC0129	1A North	IEL	IEL-2-S10	201	2.00	14.9	754.6	45.6		2.50	18.6	59.6	
NDTC0086	1A North	IEL	IEL-2-S10	267	1.50	14.8				2.00	19.8		
ILBS0157	1A North	IEL	IEL-2-S101	723	2.00	53.6	723.0	53.6		2.50	66.9	66.9	
NDET5029	1A North	IEL	IEL-2-S11	65	1.50	3.6	313.9	17.4		2.00	4.8	23.3	
NDET5030	1A North	IEL	IEL-2-S11	249	1.50	13.8				2.00	18.5		
ILBS1408	1A North	IEL	IEL-2-S118	79	3.50	10.2	78.5	10.2		4.00	11.6	11.6	
ILBS1174	1A North	IEL	IEL-2-S12	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
NDTC0099	1A North	IEL	IEL-2-S130	1316	6.00	292.5				6.50	316.9		
ILBS1272	1A North	IEL	IEL-2-S130	2359	4.00	349.4				4.50	393.1		
ILBS1271	1A North	IEL	IEL-2-S130	1763	2.00	130.6	8729.9	1113.9		2.50	163.2	1275.6	
ILBS1273	1A North	IEL	IEL-2-S130	1580	1.50	87.8				2.00	117.1		
ILBS1270	1A North	IEL	IEL-2-S130	1712	4.00	253.6				4.50	285.3		
NDTC0131	1A North	IEL	IEL-2-S131	380	2.50	35.2	379.7	35.2		3.00	42.2	42.2	
ILBS1267	1A North	IEL	IEL-2-S132	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
ILBS1303	1A North	IEL	IEL-2-S133	498	1.50	27.7	498.3	27.7		2.00	36.9	36.9	
	1A North	IEL	IEL-2-S134	3578	1.00	132.5	3578.4	132.5		1.50	198.8	198.8	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
NDET5026	1A North	IEL	IEL-2-S135	1904	1.50	105.8				2.00	141.0		
NDET5025	1A North	IEL	IEL-2-S135	1621	1.50	90.1				2.00	120.1		
NDET5028	1A North	IEL	IEL-2-S135	4485	1.50	249.2	10794.7	599.7		2.00	332.3	799.6	
NDET5027	1A North	IEL	IEL-2-S135	994	1.50	55.2				2.00	73.6		
NDET5024	1A North	IEL	IEL-2-S135	1365	1.50	75.9				2.00	101.1		
NDET5023	1A North	IEL	IEL-2-S135	425	1.50	23.6				2.00	31.5		
ILST1000	1A North	IEL	IEL-2-S136	345	2.00	25.6	345.0	25.6		2.50	31.9	31.9	
NDET5020	1A North	IEL	IEL-2-S137	1288	1.50	71.5				2.00	95.4		
NDTC0080	1A North	IEL	IEL-2-S137	1369	1.50	76.1				2.00	101.4		
NDTC0083	1A North	IEL	IEL-2-S137	1644	4.00	243.6				4.50	274.1		
ILBS1257	1A North	IEL	IEL-2-S137	2081	1.50	115.6	8093.2	615.2		2.00	154.2	765.1	
NDTC0082	1A North	IEL	IEL-2-S137	674	2.00	49.9				2.50	62.4		
NDTC0081	1A North	IEL	IEL-2-S137	22	2.50	2.1				3.00	2.5		
NDTC0079	1A North	IEL	IEL-2-S137	158	1.50	8.8				2.00	11.7		
NDET5019	1A North	IEL	IEL-2-S137	857	1.50	47.6				2.00	63.5		
NDET5014	1A North	IEL	IEL-2-S138	685	1.50	38.0				2.00	50.7		
NDET5013	1A North	IEL	IEL-2-S138	819	1.50	45.5				2.00	60.7		
ILBS1311	1A North	IEL	IEL-2-S138	1906	1.50	105.9				2.00	141.2		
NDET5016	1A North	IEL	IEL-2-S138	215	1.50	12.0	5219.5	290.0		2.00	15.9	386.6	
ILBS1535	1A North	IEL	IEL-2-S138	1042	1.50	57.9				2.00	77.2		
NDET5012	1A North	IEL	IEL-2-S138	385	1.50	21.4				2.00	28.5		
NDET5011	1A North	IEL	IEL-2-S138	167	1.50	9.3				2.00	12.4		
NDET5006	1A North	IEL	IEL-2-S139	2874	1.50	159.7	4050.6	225.0		2.00	212.9	300.0	
NDET5007	1A North	IEL	IEL-2-S139	1177	1.50	65.4				2.00	87.2		
ILBS1315	1A North	IEL	IEL-2-S14	398	1.50	22.1	661.6	36.8		2.00	29.5	49.0	
ILBS1317	1A North	IEL	IEL-2-S14	264	1.50	14.6				2.00	19.5		
A1BS14	1A North	IEL	IEL-2-S140	2599	1.50	144.4	2598.6	144.4		2.00	192.5	192.5	
ILBS1195	1A North	IEL	IEL-2-S141	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
ILBS1479	1A North	IEL	IEL-2-S142	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
ILBS1179	1A North	IEL	IEL-2-S143	80	1.50	4.4	79.8	4.4		2.00	5.9	5.9	
	1A North	IEL	IEL-2-S145	578	1.00	21.4	577.7	21.4		1.50	32.1	32.1	
	1A North	IEL	IEL-2-S146	110	1.00	4.1	109.5	4.1		1.50	6.1	6.1	
ILBS1038	1A North	IEL	IEL-2-S147	273	1.50	15.2	273.3	15.2		2.00	20.2	20.2	
	1A North	IEL	IEL-2-S148	1941	1.00	71.9	1940.9	71.9		1.50	107.8	107.8	
NDET4035	1A North	IEL	IEL-2-S15	564	2.00	41.8				2.50	52.3		
NDET4037	1A North	IEL	IEL-2-S15	735	2.00	54.5	1567.3	116.1		2.50	68.1	145.1	
ILBS1223	1A North	IEL	IEL-2-S15	267	2.00	19.8				2.50	24.8		
NDTC0020	1A North	IEL	IEL-2-S16	128	1.50	7.1				2.00	9.5		
NDTC0021	1A North	IEL	IEL-2-S16	162	1.50	9.0	361.3	20.1		2.00	12.0	26.8	
NDTC0023	1A North	IEL	IEL-2-S16	71	1.50	4.0				2.00	5.3		
NDTC0106	1A North	IEL	IEL-2-S17	387	1.50	21.5				2.00	28.6		
NDTC0191	1A North	IEL	IEL-2-S17	120	1.50	6.7	762.4	42.4		2.00	8.9	56.5	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ILBS1244	1A North	IEL	IEL-2-S17	256	1.50	14.2				2.00	19.0		
NDTC0195	1A North	IEL	IEL-2-S18	428	1.50	23.8	428.4	23.8		2.00	31.7	31.7	
NDTC0063	1A North	IEL	IEL-2-S19	447	1.50	24.8				2.00	33.1		
NDET4041	1A North	IEL	IEL-2-S19	685	2.00	50.7				2.50	63.4		
NDET5001	1A North	IEL	IEL-2-S19	748	1.50	41.5				2.00	55.4		
NDTC0110	1A North	IEL	IEL-2-S19	114	1.50	6.3	3324.4	240.5		2.00	8.5	302.1	
NDTC0030	1A North	IEL	IEL-2-S19	497	3.00	55.2				3.50	64.4		
ILBS1219	1A North	IEL	IEL-2-S19	414	1.50	23.0				2.00	30.7		
NDTC0117	1A North	IEL	IEL-2-S19	420	2.50	38.9				3.00	46.7		
ILBS1298	1A North	IEL	IEL-2-S2	1160	1.50	64.4	1905.7	105.9		2.00	85.9	141.2	
ILBS1299	1A North	IEL	IEL-2-S2	746	1.50	41.4				2.00	55.2		
ILBS1196	1A North	IEL	IEL-2-S20	314	1.50	17.5	314.1	17.5		2.00	23.3	23.3	
NDET4045	1A North	IEL	IEL-2-S21	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
ILBS1533	1A North	IEL	IEL-2-S23	526	1.50	29.2	1346.0	74.8		2.00	39.0	99.7	
ILBS1516	1A North	IEL	IEL-2-S23	820	1.50	45.5				2.00	60.7		
ILBS1256	1A North	IEL	IEL-2-S25	322	1.50	17.9	322.3	17.9		2.00	23.9	23.9	
NDET4031	1A North	IEL	IEL-2-S26	417	2.00	30.9				2.50	38.6		
NDET2014	1A North	IEL	IEL-2-S26	645	6.00	143.3				6.50	155.3		
NDET4032	1A North	IEL	IEL-2-S26	442	2.00	32.8	2771.4	277.4		2.50	40.9	328.7	
NDET4076	1A North	IEL	IEL-2-S26	367	1.50	20.4				2.00	27.2		
NDET2021	1A North	IEL	IEL-2-S26	533	1.50	29.6				2.00	39.5		
NDET1026	1A North	IEL	IEL-2-S26	367	1.50	20.4				2.00	27.2		
NDET4026	1A North	IEL	IEL-2-S27	361	2.00	26.7	749.8	55.5		2.50	33.4	69.4	
NDET4027	1A North	IEL	IEL-2-S27	389	2.00	28.8				2.50	36.0		
NDTC0067	1A North	IEL	IEL-2-S28	101	1.50	5.6				2.00	7.5		
ILBS90	1A North	IEL	IEL-2-S28	353	4.00	52.2				4.50	58.8		
NDTC0070	1A North	IEL	IEL-2-S28	77	1.50	4.3	992.0	148.9		2.00	5.7	167.3	
NDTC0068	1A North	IEL	IEL-2-S28	94	1.50	5.2				2.00	7.0		
ILBS1205	1A North	IEL	IEL-2-S28	367	6.00	81.6				6.50	88.4		
ILBS1253	1A North	IEL	IEL-2-S29	317	1.50	17.6	316.6	17.6		2.00	23.5	23.5	
ILBK06	1A North	IEL	IEL-2-S3	259	1.50	14.4				2.00	19.2		
ILBK05	1A North	IEL	IEL-2-S3	239	1.50	13.3				2.00	17.7		
ILBS1018	1A North	IEL	IEL-2-S3	270	2.00	20.0	1514.2	89.1		2.50	25.0	117.2	
ILBS78	1A North	IEL	IEL-2-S3	284	1.50	15.8				2.00	21.0		
ILBS67	1A North	IEL	IEL-2-S3	201	1.50	11.2				2.00	14.9		
ILBS76	1A North	IEL	IEL-2-S3	260	1.50	14.4				2.00	19.3		
NDET2018	1A North	IEL	IEL-2-S30	97	1.50	5.4	97.0	5.4		2.00	7.2	7.2	
NDTC0124	1A North	IEL	IEL-2-S31	108	2.50	10.0	314.0	29.1		3.00	12.0	34.9	
NDTC0123	1A North	IEL	IEL-2-S31	206	2.50	19.1				3.00	22.9		
ILBS1125	1A North	IEL	IEL-2-S32	774	2.50	71.7	774.0	71.7		3.00	86.0	86.0	
ILBS1252	1A North	IEL	IEL-2-S33	122	4.50	20.4	122.2	20.4		5.00	22.6	22.6	
ILBS1209	1A North	IEL	IEL-2-S34	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ILBS0262	1A North	IEL	IEL-2-S35	1361	2.33	117.5	1361.2	117.5		2.83	142.7	142.7	
NDTC0109	1A North	IEL	IEL-2-S36	291	2.50	26.9				3.00	32.3		
NDTC0194	1A North	IEL	IEL-2-S36	139	1.50	7.7				2.00	10.3		
NDTC0111	1A North	IEL	IEL-2-S36	322	2.50	29.9	2110.9	146.1		3.00	35.8	185.2	
ILBS1243	1A North	IEL	IEL-2-S36	1193	1.50	66.3				2.00	88.4		
NDTC0108	1A North	IEL	IEL-2-S36	166	2.50	15.4				3.00	18.5		
NDBS0100	1A North	IEL	IEL-2-S37	845	1.50	47.0				2.00	62.6		
ILBS1238	1A North	IEL	IEL-2-S37	1815	1.50	100.8				2.00	134.5		
ILBS1236	1A North	IEL	IEL-2-S37	1097	1.50	61.0				2.00	81.3		
ILBS1239A	1A North	IEL	IEL-2-S37	536	1.50	29.8	7713.6	428.5		2.00	39.7	571.4	
ILBS1240	1A North	IEL	IEL-2-S37	2722	1.50	151.2				2.00	201.6		
NDTC0200	1A North	IEL	IEL-2-S37	227	1.50	12.6				2.00	16.8		
ILBS1239	1A North	IEL	IEL-2-S37	471	1.50	26.1				2.00	34.9		
ILBS1246	1A North	IEL	IEL-2-S38	1306	1.50	72.6				2.00	96.8		
NDTC0011D	1A North	IEL	IEL-2-S38	251	1.75	16.3				2.25	20.9		
NDTC0011B	1A North	IEL	IEL-2-S38	505	1.75	32.8				2.25	42.1		
ILBS1245	1A North	IEL	IEL-2-S38	2696	1.50	149.8	5284.1	308.5		2.00	199.7	406.3	
NDTC0011E	1A North	IEL	IEL-2-S38	366	1.75	23.8				2.25	30.5		
NDTC0011C	1A North	IEL	IEL-2-S38	93	1.75	6.0				2.25	7.7		
NDTC0011A	1A North	IEL	IEL-2-S38	66	3.00	7.3				3.50	8.5		
NDTC0198	1A North	IEL	IEL-2-S39	312	1.50	17.3				2.00	23.1		
ILBS1241A	1A North	IEL	IEL-2-S39	380	1.50	21.1				2.00	28.2		
NDTC0199	1A North	IEL	IEL-2-S39	348	1.50	19.4	2024.5	112.5		2.00	25.8	150.0	
NDTC0064	1A North	IEL	IEL-2-S39	315	1.50	17.5				2.00	23.3		
ILBS1242	1A North	IEL	IEL-2-S39	380	1.50	21.1				2.00	28.1		
ILBS1241	1A North	IEL	IEL-2-S39	289	1.50	16.1				2.00	21.4		
NDTC0104	1A North	IEL	IEL-2-S4	1418	3.50	183.9				4.00	210.1		
NDTC0103	1A North	IEL	IEL-2-S4	346	2.00	25.6	3003.0	324.2		2.50	32.0	379.8	
NDTC0102	1A North	IEL	IEL-2-S4	1239	2.50	114.7				3.00	137.6		
ILBS1040	1A North	IEL	IEL-2-S40	384	11.00	156.3				11.50	163.4		
ILBS1043	1A North	IEL	IEL-2-S40	609	7.00	157.9	1260.6	373.7		7.50	169.2	397.1	
ILTS1006	1A North	IEL	IEL-2-S40	268	6.00	59.5				6.50	64.5		
ILBS1247	1A North	IEL	IEL-2-S41	427	1.50	23.7	427.2	23.7		2.00	31.6	31.6	
NDET2001	1A North	IEL	IEL-2-S42	807	1.50	44.8				2.00	59.8		
ILBS1231	1A North	IEL	IEL-2-S42	904	1.50	50.2	2994.9	166.4		2.00	67.0	221.8	
ILBS1227	1A North	IEL	IEL-2-S42	569	1.50	31.6				2.00	42.1		
ILBS1228	1A North	IEL	IEL-2-S42	715	1.50	39.7				2.00	53.0		
ILBS1222	1A North	IEL	IEL-2-S43	725	1.50	40.3				2.00	53.7		
ILBS1221	1A North	IEL	IEL-2-S43	934	1.50	51.9	3727.5	220.6		2.00	69.2	289.6	
NDTC0028	1A North	IEL	IEL-2-S43	1340	1.50	74.4				2.00	99.3		
NDET4038	1A North	IEL	IEL-2-S43	728	2.00	53.9				2.50	67.4		

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ILBS1506	1A North	IEL	IEL-2-S44	314	1.50	17.5	516.9	28.7		2.00	23.3	38.3	
ILBS1199	1A North	IEL	IEL-2-S44	203	1.50	11.3				2.00	15.0		
ILBS0125	1A North	IEL	IEL-2-S45	5665	2.50	524.5	5664.6	524.5		3.00	629.4	629.4	
ILBS1077	1A North	IEL	IEL-2-S46	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
NDET4043	1A North	IEL	IEL-2-S47	163	2.00	12.1	597.0	38.0		2.50	15.1	49.1	
NDET4040	1A North	IEL	IEL-2-S47	98	2.00	7.3				2.50	9.1		
ILBS1218	1A North	IEL	IEL-2-S47	140	1.50	7.8				2.00	10.4		
ILBS1217	1A North	IEL	IEL-2-S47	196	1.50	10.9				2.00	14.5		
ILBS0375	1A North	IEL	IEL-2-S48	203	6.00	45.1	203.1	45.1		6.50	48.9	48.9	
ILBS1478	1A North	IEL	IEL-2-S49	401	4.00	59.4	401.2	59.4		4.50	66.9	66.9	
ILBS01	1A North	IEL	IEL-2-S5	756	10.00	279.8	32148.5	6255.9		10.50	293.8	6851.2	
ILBS32	1A North	IEL	IEL-2-S5	641	10.00	237.3				10.50	249.2		
ILBS45	1A North	IEL	IEL-2-S5	359	10.00	133.0				10.50	139.6		
ILBS1013	1A North	IEL	IEL-2-S5	1677	10.00	621.2				10.50	652.3		
ILBS0296	1A North	IEL	IEL-2-S5	707	8.70	227.8				9.20	240.9		
ILBS94	1A North	IEL	IEL-2-S5	1662	3.00	184.6				3.50	215.4		
ILBS1006	1A North	IEL	IEL-2-S5	177	11.00	72.0				11.50	75.3		
ILET0114	1A North	IEL	IEL-2-S5	461	10.50	179.4				11.00	187.9		
ILBS0232	1A North	IEL	IEL-2-S5	475	2.00	35.2				2.50	43.9		
ILBS1340	1A North	IEL	IEL-2-S5	388	5.00	71.8				5.50	78.9		
ILBS0241	1A North	IEL	IEL-2-S5	1212	6.00	269.3				6.50	291.7		
ILBS0146	1A North	IEL	IEL-2-S5	948	4.00	140.5				4.50	158.1		
ILBS1420	1A North	IEL	IEL-2-S5	3416	6.00	759.1				6.50	822.4		
ILBS1128	1A North	IEL	IEL-2-S5	929	2.50	86.0				3.00	103.2		
ILBS0260	1A North	IEL	IEL-2-S5	306	2.00	22.7				2.50	28.3		
ILBS0239	1A North	IEL	IEL-2-S5	1980	2.00	146.7				2.50	183.4		
ILBS1023	1A North	IEL	IEL-2-S5	1545	1.50	85.8				2.00	114.5		
ILBS1022	1A North	IEL	IEL-2-S5	1981	1.50	110.1				2.00	146.8		
ILBS1021	1A North	IEL	IEL-2-S5	744	11.00	303.0				11.50	316.8		
ILBS35	1A North	IEL	IEL-2-S5	1192	10.50	463.7				11.00	485.8		
ILBS51	1A North	IEL	IEL-2-S5	653	2.00	48.4				2.50	60.5		
ILET0100	1A North	IEL	IEL-2-S5	976	2.00	72.3				2.50	90.3		
ILBS0233	1A North	IEL	IEL-2-S5	398	2.00	29.5				2.50	36.8		
ILBS0231	1A North	IEL	IEL-2-S5	509	2.00	37.7				2.50	47.1		
ILBS1024	1A North	IEL	IEL-2-S5	114	11.00	46.4				11.50	48.5		
ILET0110	1A North	IEL	IEL-2-S5	715	7.50	198.5				8.00	211.8		
ILET0101	1A North	IEL	IEL-2-S5	351	2.60	33.8				3.10	40.3		
ILET0113	1A North	IEL	IEL-2-S5	718	5.10	135.6				5.60	148.9		
ILET0109	1A North	IEL	IEL-2-S5	204	7.50	56.6				8.00	60.3		
ILBS0221	1A North	IEL	IEL-2-S5	97	9.20	33.2				9.70	35.0		
SB_ABP_B301-5	1A North	IEL	IEL-2-S5	266	2.00	19.7				2.50	24.7		
ILBS1011	1A North	IEL	IEL-2-S5	626	1.50	34.8				2.00	46.3		

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ILBS0295	1A North	IEL	IEL-2-S5	850	6.50	204.6				7.00	220.4		
ILET0108	1A North	IEL	IEL-2-S5	1019	3.80	143.4				4.30	162.3		
ILET0107	1A North	IEL	IEL-2-S5	457	7.50	126.8				8.00	135.3		
ILET0106	1A North	IEL	IEL-2-S5	170	7.50	47.4				8.00	50.5		
ILBS92	1A North	IEL	IEL-2-S5	1345	2.00	99.6				2.50	124.6		
ILBS1016	1A North	IEL	IEL-2-S5	1125	11.00	458.5				11.50	479.3		
ILBS1336	1A North	IEL	IEL-2-S50	578	1.50	32.1				2.00	42.8		
ILBS1335	1A North	IEL	IEL-2-S50	910	1.50	50.6	1840.2	108.8	71991.7	2.00	67.4	142.8	82175.5
ILST1001	1A North	IEL	IEL-2-S50	352	2.00	26.1				2.50	32.6		
ILBS1095	1A North	IEL	IEL-2-S51	616	7.00	159.7				7.50	171.1		
ILBS1098	1A North	IEL	IEL-2-S51	296	11.00	120.7				11.50	126.2		
ILBS0156	1A North	IEL	IEL-2-S51	721	2.00	53.4				2.50	66.8		
ILBS0110	1A North	IEL	IEL-2-S51	340	2.50	31.5	4147.8	727.2		3.00	37.8	804.1	
ILBS1093	1A North	IEL	IEL-2-S51	615	1.50	34.2				2.00	45.6		
ILBS0111	1A North	IEL	IEL-2-S51	768	2.50	71.1				3.00	85.3		
ILBS1449	1A North	IEL	IEL-2-S51	425	12.00	188.8				12.50	196.7		
ILBS1100	1A North	IEL	IEL-2-S51	366	5.00	67.9				5.50	74.6		
ILBS0137	1A North	IEL	IEL-2-S52	401	2.50	37.1	401.1	37.1		3.00	44.6	44.6	
ILBS1086	1A North	IEL	IEL-2-S53	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
ILBS1216	1A North	IEL	IEL-2-S54	1278	2.00	94.7				2.50	118.4		
NDBS0101	1A North	IEL	IEL-2-S54	902	1.50	50.1	2685.0	172.8		2.00	66.8	222.6	
ILBS1214	1A North	IEL	IEL-2-S54	504	1.50	28.0				2.00	37.4		
ILBS1229A	1A North	IEL	IEL-2-S55	213	1.50	11.8	485.9	27.0		2.00	15.7	36.0	
ILBS1229	1A North	IEL	IEL-2-S55	273	1.50	15.2				2.00	20.2		
ILBS1068	1A North	IEL	IEL-2-S59	2932	2.00	217.2	2931.9	217.2		2.50	271.5	271.5	
ILBS1139	1A North	IEL	IEL-2-S6	4028	1.50	223.8				2.00	298.4		
ILBS1138	1A North	IEL	IEL-2-S6	3418	1.50	189.9				2.00	253.2		
ILBS1144	1A North	IEL	IEL-2-S6	1542	7.00	399.8	15226.8	2104.2		7.50	428.3	2386.2	
ILBS1458	1A North	IEL	IEL-2-S6	1140	1.50	63.3				2.00	84.4		
ILBS1137	1A North	IEL	IEL-2-S6	5099	6.50	1227.5				7.00	1321.9		
NDET4046	1A North	IEL	IEL-2-S60	99	2.00	7.3	98.9	7.3		2.50	9.2	9.2	
NDET2010	1A North	IEL	IEL-2-S61	278	5.00	51.4	416.8	82.3		5.50	56.6	90.1	
NDET3003	1A North	IEL	IEL-2-S61	139	6.00	30.9				6.50	33.5		
ILBS1208	1A North	IEL	IEL-2-S62	246	1.50	13.6	245.5	13.6		2.00	18.2	18.2	
ILTS05	1A North	IEL	IEL-2-S63	1007	2.50	93.2				3.00	111.9		
ILST1003	1A North	IEL	IEL-2-S63	2060	2.00	152.6	4903.6	667.4		2.50	190.7	758.2	
ILTS02	1A North	IEL	IEL-2-S63	1358	7.50	377.2				8.00	402.4		
ILBS1173	1A North	IEL	IEL-2-S63	479	2.50	44.3				3.00	53.2		
NDBS0353	1A North	IEL	IEL-2-S64	2121	6.00	471.4				6.50	510.6		
NDBS0355	1A North	IEL	IEL-2-S64	1051	6.00	233.5				6.50	252.9		
NDET1036	1A North	IEL	IEL-2-S64	975	10.00	361.2				10.50	379.2		
ILBS1226	1A North	IEL	IEL-2-S64	2499	9.50	879.1	8794.6	2372.6		10.00	925.4	2535.5	

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NDET4030	1A North	IEL	IEL-2-S64	764	2.00	56.6				2.50	70.8		
NDET2012	1A North	IEL	IEL-2-S64	742	7.00	192.4				7.50	206.1		
NDET1035	1A North	IEL	IEL-2-S64	643	7.50	178.5				8.00	190.4		
SM-03-009	1A North	IEL	IEL-2-S66	7980	1.50	443.3				2.00	591.1		
SM-03-014	1A North	IEL	IEL-2-S66	2292	1.50	127.3				2.00	169.7		
SM-03-001	1A North	IEL	IEL-2-S66	4481	1.50	248.9				2.00	331.9		
SM-03-015	1A North	IEL	IEL-2-S66	4289	1.50	238.3				2.00	317.7		
SM-03-012	1A North	IEL	IEL-2-S66	4228	1.50	234.9				2.00	313.2		
NDET4008A	1A North	IEL	IEL-2-S66	1397	1.50	77.6				2.00	103.5		
ILBS1309	1A North	IEL	IEL-2-S66	4328	1.50	240.5				2.00	320.6		
ILBS1200	1A North	IEL	IEL-2-S66	1221	1.50	67.8				2.00	90.4		
B1BS1194	1A North	IEL	IEL-2-S66	306	1.50	17.0				2.00	22.7		
ILBS1308	1A North	IEL	IEL-2-S66	3790	1.50	210.5				2.00	280.7		
ILBS1307A	1A North	IEL	IEL-2-S66	3577	1.50	198.7				2.00	265.0		
ILBS1305	1A North	IEL	IEL-2-S66	5549	1.50	308.3				2.00	411.1		
ILBS1306	1A North	IEL	IEL-2-S66	2428	1.50	134.9				2.00	179.8		
NDET4009	1A North	IEL	IEL-2-S66	2215	2.00	164.1	59508.0	3715.9		2.50	205.1	4817.9	
NDET4008	1A North	IEL	IEL-2-S66	2700	2.00	200.0				2.50	250.0		
ILBS1203	1A North	IEL	IEL-2-S66	1715	1.50	95.3				2.00	127.0		
NDBS0364	1A North	IEL	IEL-2-S66	295	1.50	16.4				2.00	21.8		
NDBS0363	1A North	IEL	IEL-2-S66	675	1.50	37.5				2.00	50.0		
NDTC0006C	1A North	IEL	IEL-2-S66	156	1.75	10.1				2.25	13.0		
NDTC0006B	1A North	IEL	IEL-2-S66	83	1.75	5.4				2.25	6.9		
NDTC0006A	1A North	IEL	IEL-2-S66	100	3.25	12.0				3.75	13.9		
ILBS1204	1A North	IEL	IEL-2-S66	973	1.50	54.0				2.00	72.0		
B1BS1067	1A North	IEL	IEL-2-S66	655	11.00	266.7				11.50	278.8		
B1BS1208	1A North	IEL	IEL-2-S66	267	2.50	24.7				3.00	29.7		
ILBS1307	1A North	IEL	IEL-2-S66	1919	1.50	106.6				2.00	142.2		
B1BS1054	1A North	IEL	IEL-2-S66	1890	2.50	175.0				3.00	210.0		
ILBS0209	1A North	IEL	IEL-2-S68	1322	21.20	1037.7				21.70	1062.2		
ILBS0198	1A North	IEL	IEL-2-S68	7232	11.50	3080.1				12.00	3214.0		
ILBS1035	1A North	IEL	IEL-2-S68	2867	11.00	1167.9				11.50	1221.0		
ILBS1036	1A North	IEL	IEL-2-S68	3766	2.00	279.0				2.50	348.7		
ILBS1426	1A North	IEL	IEL-2-S68	4269	8.00	1264.8	31519.5	10578.6		8.50	1343.9	11162.3	
ILBS1034	1A North	IEL	IEL-2-S68	3364	11.00	1370.7				11.50	1433.0		
ILBS1032	1A North	IEL	IEL-2-S68	3200	6.00	711.1				6.50	770.4		
ILBS1033	1A North	IEL	IEL-2-S68	3779	11.00	1539.8				11.50	1609.8		
ILBS0210	1A North	IEL	IEL-2-S68	1720	2.00	127.4				2.50	159.3		
ILBS0254	1A North	IEL	IEL-2-S69	5357	2.00	396.8				2.50	496.0		
ILBS0333	1A North	IEL	IEL-2-S69	6961	2.00	515.6				2.50	644.5		
ILBS0224	1A North	IEL	IEL-2-S69	5266	4.25	828.9				4.75	926.4		
ILBS1182	1A North	IEL	IEL-2-S69	12568	4.00	1861.9				4.50	2094.7		

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ILBS1181	1A North	IEL	IEL-2-S69	11657	1.50	647.6				2.00	863.5		
ILBS84	1A North	IEL	IEL-2-S69	4193	1.50	233.0				2.00	310.6		
ILBS1155	1A North	IEL	IEL-2-S69	2201	7.00	570.6				7.50	611.4		
ILBS0197	1A North	IEL	IEL-2-S69	7148	11.00	2912.3				11.50	3044.7		
ILBS1475	1A North	IEL	IEL-2-S69	11497	1.50	638.7				2.00	851.6		
ILBS1477	1A North	IEL	IEL-2-S69	13469	7.00	3492.1				7.50	3741.5		
ILBS0336	1A North	IEL	IEL-2-S69	9970	2.00	738.5				2.50	923.2		
ILBS0255	1A North	IEL	IEL-2-S69	8976	2.00	664.9				2.50	831.1		
ILBS0332	1A North	IEL	IEL-2-S69	3792	2.00	280.9				2.50	351.1		
ILBS0223	1A North	IEL	IEL-2-S69	8317	2.00	616.1				2.50	770.1		
ILBS0334	1A North	IEL	IEL-2-S69	14024	2.00	1038.8				2.50	1298.5		
ILBS0200	1A North	IEL	IEL-2-S69	7482	2.00	554.2				2.50	692.8		
ILBS1194	1A North	IEL	IEL-2-S69	5064	4.00	750.3				4.50	844.0		
ILBS1148	1A North	IEL	IEL-2-S69	4193	1.50	232.9	218395.5	29777.4		2.00	310.6	33821.8	
ILBS1151	1A North	IEL	IEL-2-S69	6680	7.00	1731.9				7.50	1855.7		
ILBS0199	1A North	IEL	IEL-2-S69	5716	2.00	423.4				2.50	529.3		
ILBS0164	1A North	IEL	IEL-2-S69	5229	2.00	387.4				2.50	484.2		
ILBS1462	1A North	IEL	IEL-2-S69	667	11.00	271.8				11.50	284.2		
ILBS1154	1A North	IEL	IEL-2-S69	1544	11.00	629.2				11.50	657.8		
ILBS1158	1A North	IEL	IEL-2-S69	4621	1.50	256.7				2.00	342.3		
ILBS1149	1A North	IEL	IEL-2-S69	2312	10.50	899.3				11.00	942.1		
ILBS1147	1A North	IEL	IEL-2-S69	1339	11.00	545.7				11.50	570.5		
ILBS1157	1A North	IEL	IEL-2-S69	917	1.50	50.9				2.00	67.9		
ILBS1152	1A North	IEL	IEL-2-S69	2392	1.50	132.9				2.00	177.1		
ILBS1146	1A North	IEL	IEL-2-S69	4730	1.50	262.8				2.00	350.4		
ILBS1156	1A North	IEL	IEL-2-S69	3976	1.50	220.9				2.00	294.5		
ILBS0196	1A North	IEL	IEL-2-S69	3503	2.50	324.4				3.00	389.2		
ILBS1145	1A North	IEL	IEL-2-S69	6422	11.00	2616.3				11.50	2735.2		
ILBS1150	1A North	IEL	IEL-2-S69	378	11.00	154.2				11.50	161.2		
ILBS1079	1A North	IEL	IEL-2-S69	8365	6.00	1858.9				6.50	2013.8		
ILBS1183	1A North	IEL	IEL-2-S69	14436	1.50	802.0				2.00	1069.3		
ILBS1159	1A North	IEL	IEL-2-S69	3031	11.00	1234.7				11.50	1290.8		
ILBS18	1A North	IEL	IEL-2-S7	805	1.50	44.7				2.00	59.6		
ILBS0350	1A North	IEL	IEL-2-S7	699	9.00	233.1	2575.7	371.1		9.50	246.1	418.8	
ILBS1063	1A North	IEL	IEL-2-S7	456	3.50	59.1				4.00	67.6		
ILBS1064	1A North	IEL	IEL-2-S7	616	1.50	34.2				2.00	45.6		
ILBS0368	1A North	IEL	IEL-2-S70	1179	2.00	87.3				2.50	109.1		
ILBS0366	1A North	IEL	IEL-2-S70	988	2.00	73.2				2.50	91.5		
ILBS0367	1A North	IEL	IEL-2-S70	624	1.60	37.0	3616.6	338.3		2.10	48.5	405.3	
ILBS0309	1A North	IEL	IEL-2-S70	288	2.00	21.3				2.50	26.7		
ILBS0365	1A North	IEL	IEL-2-S70	538	6.00	119.5				6.50	129.5		
ILBS0349	1A North	IEL	IEL-2-S71	412	1.50	22.9				2.00	30.5		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ILBS1062	1A North	IEL	IEL-2-S71	1651	5.40	330.1				5.90	360.7		
ILBS0370	1A North	IEL	IEL-2-S71	608	1.72	38.8				2.22	50.0		
ILBS0369	1A North	IEL	IEL-2-S71	391	1.75	25.4				2.25	32.6		
ILBS1446	1A North	IEL	IEL-2-S71	598	10.00	221.5				10.50	232.6		
ILBS1071	1A North	IEL	IEL-2-S71	360	7.00	93.5				7.50	100.1		
ILBS1070	1A North	IEL	IEL-2-S71	375	7.00	97.2	8701.9	1417.1		7.50	104.2	1578.3	
ILBS1069	1A North	IEL	IEL-2-S71	1623	1.50	90.1				2.00	120.2		
ILET0002	1A North	IEL	IEL-2-S71	550	2.00	40.8				2.50	51.0		
ILBS1066	1A North	IEL	IEL-2-S71	942	3.40	118.6				3.90	136.0		
ILBS0306	1A North	IEL	IEL-2-S71	144	2.25	12.0				2.75	14.7		
ILBS0249	1A North	IEL	IEL-2-S71	144	6.00	32.1				6.50	34.7		
ILBS1078	1A North	IEL	IEL-2-S71	903	8.80	294.2				9.30	310.9		
NDTC0025	1A North	IEL	IEL-2-S72	329	2.00	24.4				2.50	30.5		
ILBS1213	1A North	IEL	IEL-2-S72	429	1.50	23.8				2.00	31.7		
NDTC0026	1A North	IEL	IEL-2-S72	233	2.00	17.3	2164.9	144.6		2.50	21.6	184.7	
ILBS1215	1A North	IEL	IEL-2-S72	670	1.50	37.2				2.00	49.6		
ILBS1359	1A North	IEL	IEL-2-S72	36	5.50	7.2				6.00	7.9		
NDET4005	1A North	IEL	IEL-2-S72	468	2.00	34.7				2.50	43.4		
ILBS1233	1A North	IEL	IEL-2-S73	1016	1.50	56.5				2.00	75.3		
NDET2005	1A North	IEL	IEL-2-S73	658	1.50	36.6				2.00	48.8		
NDET4013	1A North	IEL	IEL-2-S73	1176	2.00	87.1				2.50	108.9		
NDTC0039	1A North	IEL	IEL-2-S73	816	2.00	60.4				2.50	75.5		
ILBS1210	1A North	IEL	IEL-2-S73	819	2.00	60.7				2.50	75.8		
ILBS1232	1A North	IEL	IEL-2-S73	690	1.50	38.3				2.00	51.1		
NDET1022	1A North	IEL	IEL-2-S73	667	1.50	37.0	10541.5	710.2		2.00	49.4	905.4	
NDTC0049	1A North	IEL	IEL-2-S73	575	2.00	42.6				2.50	53.2		
NDET4028	1A North	IEL	IEL-2-S73	936	2.00	69.3				2.50	86.6		
NDET2004	1A North	IEL	IEL-2-S73	783	1.50	43.5				2.00	58.0		
NDTC0044	1A North	IEL	IEL-2-S73	1123	2.00	83.2				2.50	104.0		
NDET4011	1A North	IEL	IEL-2-S73	432	2.00	32.0				2.50	40.0		
NDET4029	1A North	IEL	IEL-2-S73	851	2.00	63.0				2.50	78.8		
ILBS1508	1A North	IEL	IEL-2-S74	1338	20.00	991.2				20.50	1016.0		
ILBS1453	1A North	IEL	IEL-2-S74	109	20.00	80.8				20.50	82.8		
BSBS1041	1A North	IEL	IEL-2-S74	1047	6.00	232.7	4406.6	1887.4		6.50	252.1	1969.0	
ILBS1120	1A North	IEL	IEL-2-S74	1060	6.00	235.7				6.50	255.3		
ILBS1123	1A North	IEL	IEL-2-S74	852	11.00	347.0				11.50	362.8		
ILBS1404	1A North	IEL	IEL-2-S75	517	1.50	28.7	1243.6	217.1		2.00	38.3	240.2	
ILBS1410	1A North	IEL	IEL-2-S75	727	7.00	188.4				7.50	201.9		
ILBS1167	1A North	IEL	IEL-2-S76	1478	1.50	82.1				2.00	109.5		
ILBS42	1A North	IEL	IEL-2-S76	619	1.50	34.4	3290.3	182.8		2.00	45.8	243.7	
ILBS1164	1A North	IEL	IEL-2-S76	1194	1.50	66.3				2.00	88.4		
NDET4018	1A North	IEL	IEL-2-S77	688	2.00	51.0				2.50	63.7		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ILBS1211	1A North	IEL	IEL-2-S77	870	1.50	48.3	3108.8	185.5		2.00	64.4	243.0	
ILBS1212	1A North	IEL	IEL-2-S77	1071	1.50	59.5				2.00	79.3		
NDET2002	1A North	IEL	IEL-2-S77	481	1.50	26.7				2.00	35.6		
ILBS1028	1A North	IEL	IEL-2-S78	1075	6.00	238.9	2057.5	329.9		6.50	258.8	368.0	
ILBS1058	1A North	IEL	IEL-2-S78	983	2.50	91.0				3.00	109.2		
ILBS0251	1A North	IEL	IEL-2-S79	932	1.50	51.8	1439.6	89.4		2.00	69.0	116.0	
ILBS1072	1A North	IEL	IEL-2-S79	508	2.00	37.6				2.50	47.0		
ILBS1264	1A North	IEL	IEL-2-S8	321	1.50	17.8	321.0	17.8		2.00	23.8	23.8	
ILBS1081S002	1A North	IEL	IEL-2-S80	496	1.50	27.5	1776.4	98.7		2.00	36.7	131.6	
ILBS1400S001	1A North	IEL	IEL-2-S80	503	1.50	28.0				2.00	37.3		
ILBS1400S002	1A North	IEL	IEL-2-S80	152	1.50	8.5				2.00	11.3		
ILBS1400S070	1A North	IEL	IEL-2-S80	264	1.50	14.7				2.00	19.6		
ILBS1084	1A North	IEL	IEL-2-S80	361	1.50	20.0				2.00	26.7		
ILBS1166	1A North	IEL	IEL-2-S81	695	1.50	38.6	694.6	38.6		2.00	51.5	51.5	
ILBS1178	1A North	IEL	IEL-2-S82	315	1.50	17.5	314.5	17.5		2.00	23.3	23.3	
ILBS1509	1A North	IEL	IEL-2-S83	2355	1.50	130.8	3988.4	251.8		2.00	174.5	325.7	
ILBS0151S003	1A North	IEL	IEL-2-S83	478	2.00	35.4				2.50	44.2		
ILBS0151S070	1A North	IEL	IEL-2-S83	28	2.00	2.1				2.50	2.6		
ILBS0151S001	1A North	IEL	IEL-2-S83	716	2.00	53.1				2.50	66.3		
ILBS0151S002	1A North	IEL	IEL-2-S83	411	2.00	30.4				2.50	38.1		
B1BS1100	1A North	IEL	IEL-2-S84	314	2.50	29.1	314.2	29.1		3.00	34.9	34.9	
ILBS0286	1A North	IEL	IEL-2-S85	402	1.50	22.3	401.8	22.3		2.00	29.8	29.8	
NDET4004	1A North	IEL	IEL-2-S86	88	2.00	6.5	109.2	7.7		2.50	8.2	9.7	
NDET4054	1A North	IEL	IEL-2-S86	21	1.50	1.2				2.00	1.6		
NDET4002	1A North	IEL	IEL-2-S87	77	2.00	5.7	77.3	5.7		2.50	7.2	7.2	
ILBS1105	1A North	IEL	IEL-2-S88	401	6.00	89.1	401.2	89.1		6.50	96.6	96.6	
NDET4010	1A North	IEL	IEL-2-S89	80	2.00	5.9	79.6	5.9		2.50	7.4	7.4	
ILBS1131	1A North	IEL	IEL-2-S9	1086	1.50	60.3	3798.5	485.2		2.00	80.4	555.6	
ILBS1130	1A North	IEL	IEL-2-S9	1645	6.00	365.6				6.50	396.0		
ILBS1455	1A North	IEL	IEL-2-S9	1068	1.50	59.3				2.00	79.1		
NDET4003	1A North	IEL	IEL-2-S90	78	2.00	5.8	78.1	5.8		2.50	7.2	7.2	
ILBS1031	1A North	IEL	IEL-2-S93	78	1.50	4.3	78.1	4.3		2.00	5.8	5.8	
CNBS0110	1A South	Canyon	CYN-2-S1	594	1.50	33.0	1191.1	77.2		2.00	44.0	99.3	
CNBS1013	1A South	Canyon	CYN-2-S1	597	2.00	44.2				2.50	55.3		
CNBS1106	1A South	Canyon	CYN-2-S10	2862	1.50	159.0	5640.6	313.4		2.00	212.0	417.8	
CNBS1094	1A South	Canyon	CYN-2-S10	2779	1.50	154.4				2.00	205.9		
CNBS51S70	1A South	Canyon	CYN-2-S11	745	1.00	27.6	1615.0	75.9		1.50	41.4	105.8	
CNBS1051	1A South	Canyon	CYN-2-S11	870	1.50	48.3				2.00	64.4		
CNBS1030	1A South	Canyon	CYN-2-S12	323	1.50	17.9	4304.1	257.2		2.00	23.9	336.9	
CNBS1032	1A South	Canyon	CYN-2-S12	976	2.00	72.3				2.50	90.4		
CNBS1090	1A South	Canyon	CYN-2-S12	1282	1.50	71.2				2.00	95.0		
CNBS1104	1A South	Canyon	CYN-2-S12	1723	1.50	95.7				2.00	127.6		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CNBS0162	1A South	Canyon	CYN-2-S13	457	2.00	33.8				2.50	42.3		
CNBS1074	1A South	Canyon	CYN-2-S13	444	1.50	24.7	1607.5	102.9		2.00	32.9	132.7	
CNBS1016	1A South	Canyon	CYN-2-S13	430	1.50	23.9				2.00	31.9		
CNBS0164	1A South	Canyon	CYN-2-S13	276	2.00	20.5				2.50	25.6		
	1A South	Canyon	CYN-2-S14	897	1.00	33.2	896.9	33.2		1.50	49.8	49.8	
CNBS1091	1A South	Canyon	CYN-2-S15	1313	1.50	73.0				2.00	97.3		
CNBS1052	1A South	Canyon	CYN-2-S15	1051	2.00	77.9	2958.2	194.8		2.50	97.3	249.6	
CNBS0124	1A South	Canyon	CYN-2-S15	594	2.00	44.0				2.50	55.0		
CNBS43	1A South	Canyon	CYN-2-S16	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
CNBS1009	1A South	Canyon	CYN-2-S2	357	7.00	92.6				7.50	99.2		
CNBS0102	1A South	Canyon	CYN-2-S2	562	1.20	25.0	1259.9	168.0		1.70	35.4	191.3	
CNBS1010	1A South	Canyon	CYN-2-S2	340	4.00	50.4				4.50	56.7		
CNBS1011	1A South	Canyon	CYN-2-S3	1950	4.00	288.9				4.50	325.0		
CNBS1014	1A South	Canyon	CYN-2-S3	3420	7.00	886.7				7.50	950.0		
CNBS1100	1A South	Canyon	CYN-2-S3	5098	7.00	1321.7				7.50	1416.1		
CNBS1088	1A South	Canyon	CYN-2-S3	3764	1.50	209.1	20492.5	3411.8		2.00	278.8	3791.2	
CNBS0126	1A South	Canyon	CYN-2-S3	2542	2.00	188.3				2.50	235.3		
CNBS1021	1A South	Canyon	CYN-2-S3	2395	5.00	443.6				5.50	487.9		
CNBS1019	1A South	Canyon	CYN-2-S3	1324	1.50	73.5				2.00	98.1		
CNBS1003	1A South	Canyon	CYN-2-S4	426	2.50	39.5	426.1	39.5		3.00	47.3	47.3	
CNBS1068	1A South	Canyon	CYN-2-S5	2603	1.50	144.6				2.00	192.8		
CNBS1097	1A South	Canyon	CYN-2-S5	1553	1.50	86.3				2.00	115.0		
CNBS34	1A South	Canyon	CYN-2-S5	7436	2.00	550.8				2.50	688.5		
CNBS1027	1A South	Canyon	CYN-2-S5	4061	1.50	225.6				2.00	300.8		
CNBS1066	1A South	Canyon	CYN-2-S5	1438	1.50	79.9				2.00	106.5		
CNBS1064	1A South	Canyon	CYN-2-S5	2236	2.00	165.6	33114.8	2327.2		2.50	207.0	2940.4	
CNBS0094	1A South	Canyon	CYN-2-S5	1992	2.00	147.5				2.50	184.4		
CNBS35	1A South	Canyon	CYN-2-S5	5516	2.00	408.6			13421.6	2.50	510.7		16257.1
CNBS66	1A South	Canyon	CYN-2-S5	1296	2.00	96.0				2.50	120.0		
B-8-04	1A South	Canyon	CYN-2-S5	1985	1.50	110.3				2.00	147.0		
CNBS1023	1A South	Canyon	CYN-2-S5	1430	1.50	79.4				2.00	105.9		
CNBS45	1A South	Canyon	CYN-2-S5	1570	4.00	232.5				4.50	261.6		
CNBS0140	1A South	Canyon	CYN-2-S6	1724	3.25	207.5				3.75	239.5		
CNBS0149	1A South	Canyon	CYN-2-S6	2247	4.50	374.4				5.00	416.0		
CNBS0083	1A South	Canyon	CYN-2-S6	1497	2.00	110.9	9130.3	1196.7		2.50	138.6	1365.8	
CNBS0139	1A South	Canyon	CYN-2-S6	2773	2.50	256.7				3.00	308.1		
CNBS0150	1A South	Canyon	CYN-2-S6	890	7.50	247.1				8.00	263.6		
CNBS0147	1A South	Canyon	CYN-2-S7	2306	5.50	469.7				6.00	512.4		
CNBS25	1A South	Canyon	CYN-2-S7	2898	2.50	268.3				3.00	322.0		
CNBS1035	1A South	Canyon	CYN-2-S7	1318	1.50	73.2				2.00	97.7		
CNBS0086	1A South	Canyon	CYN-2-S7	3812	2.00	282.4				2.50	353.0		
CNBS1017	1A South	Canyon	CYN-2-S7	2912	1.50	161.8				2.00	215.7		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CNBS1037	1A South	Canyon	CYN-2-S7	3402	1.50	189.0				2.00	252.0		
CNBS0090	1A South	Canyon	CYN-2-S7	5344	2.00	395.9				2.50	494.9		
CNBS0088	1A South	Canyon	CYN-2-S7	833	2.00	61.7				2.50	77.1		
CNBS37	1A South	Canyon	CYN-2-S7	4317	2.00	319.7				2.50	399.7		
CNBS72	1A South	Canyon	CYN-2-S7	4889	1.00	181.1				1.50	271.6		
CNBS1042	1A South	Canyon	CYN-2-S7	3907	1.75	253.3	60801.2	4483.9		2.25	325.6	5609.8	
CNBS0148	1A South	Canyon	CYN-2-S7	764	5.50	155.6				6.00	169.8		
CNBS55	1A South	Canyon	CYN-2-S7	1836	2.00	136.0				2.50	170.0		
CNBS1076	1A South	Canyon	CYN-2-S7	3381	1.50	187.8				2.00	250.4		
CNBS1047	1A South	Canyon	CYN-2-S7	1165	2.00	86.3				2.50	107.9		
CNBS0121	1A South	Canyon	CYN-2-S7	3060	2.00	226.6				2.50	283.3		
CNBS0087	1A South	Canyon	CYN-2-S7	2713	1.50	150.7				2.00	201.0		
CNBS0085	1A South	Canyon	CYN-2-S7	5042	2.00	373.5				2.50	466.9		
CNBS0159	1A South	Canyon	CYN-2-S7	2064	2.00	152.9				2.50	191.1		
CNBS1033	1A South	Canyon	CYN-2-S7	1732	2.00	128.3				2.50	160.4		
CNBS0089	1A South	Canyon	CYN-2-S7	3105	2.00	230.0				2.50	287.5		
CNBS1036	1A South	Canyon	CYN-2-S8	401	2.00	29.7	401.2	29.7		2.50	37.1	37.1	
CNBS0099	1A South	Canyon	CYN-2-S9	2136	2.00	158.2				2.50	197.8		
CNBS0091	1A South	Canyon	CYN-2-S9	2244	2.00	166.2				2.50	207.7		
CNBS1031	1A South	Canyon	CYN-2-S9	1252	2.00	92.7				2.50	115.9		
CNBS73	1A South	Canyon	CYN-2-S9	1638	1.00	60.7	8873.1	680.6		1.50	91.0	844.9	
CNBS0098	1A South	Canyon	CYN-2-S9	681	2.00	50.5				2.50	63.1		
CNBS0080	1A South	Canyon	CYN-2-S9	355	2.00	26.3				2.50	32.9		
CNBS26	1A South	Canyon	CYN-2-S9	567	6.00	126.0				6.50	136.5		
HZBS1047	1A South	HVS	HVS-2-S1	1812	1.50	100.7				2.00	134.2		
HZBS1006	1A South	HVS	HVS-2-S1	1697	1.50	94.3	4016.5	223.1		2.00	125.7	297.5	
HZBS1005	1A South	HVS	HVS-2-S1	508	1.50	28.2				2.00	37.6		
HVBS49	1A South	HVS	HVS-2-S10	771	1.50	42.9				2.00	57.1		
HVBS14	1A South	HVS	HVS-2-S10	923	5.00	170.9	3099.0	343.8		5.50	187.9	401.2	
HZBS1053	1A South	HVS	HVS-2-S10	1405	2.50	130.1				3.00	156.1		
HVTC13S36	1A South	HVS	HVS-2-S12	5239	1.50	291.1				2.00	388.1		
HVTC13S39	1A South	HVS	HVS-2-S12	1783	3.00	198.1	23541.2	1406.9		3.50	231.2	1842.9	
HVTC13S44	1A South	HVS	HVS-2-S12	795	1.50	44.1				2.00	58.9		
HZBS1038	1A South	HVS	HVS-2-S12	15724	1.50	873.6				2.00	1164.8		
HZBS1013	1A South	HVS	HVS-2-S13	472	1.50	26.2	471.9	26.2		2.00	35.0	35.0	
HZET0731	1A South	HVS	HVS-2-S2	46	6.90	11.8				7.40	12.7		
HZET0728	1A South	HVS	HVS-2-S2	114	7.10	30.0	388.1	113.2		7.60	32.2	120.4	
HZET0729	1A South	HVS	HVS-2-S2	113	6.70	28.1				7.20	30.2		
HZET0730	1A South	HVS	HVS-2-S2	115	10.20	43.3			3573.3	10.70	45.4		4482.4
HVBS51	1A South	HVS	HVS-2-S3	340	1.50	18.9				2.00	25.2		
HVBS69	1A South	HVS	HVS-2-S3	304	1.50	16.9	875.0	52.9		2.00	22.5	69.1	
HVTC16S05	1A South	HVS	HVS-2-S3	231	2.00	17.1				2.50	21.4		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
HZBS0040	1A South	HVS	HVS-2-S4	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
HZBS0004	1A South	HVS	HVS-2-S5	1806	2.00	133.8	3934.1	370.2		2.50	167.3	443.1	
ILBS1322	1A South	HVS	HVS-2-S5	2128	3.00	236.4				3.50	275.8		
HZBS0161	1A South	HVS	HVS-2-S7	224	2.80	23.2				3.30	27.4		
HZBS1067	1A South	HVS	HVS-2-S7	928	2.50	85.9	1476.9	127.2		3.00	103.1	154.6	
HZBS1000	1A South	HVS	HVS-2-S7	325	1.50	18.1				2.00	24.1		
HZBS1031	1A South	HVS	HVS-2-S8	1955	1.50	108.6				2.00	144.8		
HZBS1224	1A South	HVS	HVS-2-S8	1399	1.50	77.7				2.00	103.6		
HZBS0020S070	1A South	HVS	HVS-2-S8	1800	2.00	133.3	10488.0	857.7		2.50	166.7	1051.9	
HVBS72	1A South	HVS	HVS-2-S8	1305	6.50	314.2				7.00	338.4		
HZBS1004	1A South	HVS	HVS-2-S8	4029	1.50	223.8				2.00	298.4		
BGSS02	1A South	HVS	HVS-2-S9	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
LFBS1149	1A South	LETF/CTL-I	LETF-2-S1	2379	1.50	132.2				2.00	176.3		
LFBS0147	1A South	LETF/CTL-I	LETF-2-S1	1147	4.00	170.0				4.50	191.2		
LFBS0152	1A South	LETF/CTL-I	LETF-2-S1	1345	5.66	281.9				6.16	306.8		
LFBS1189	1A South	LETF/CTL-I	LETF-2-S1	3740	1.50	207.8	17007.6	1767.5		2.00	277.0	2082.4	
LFBS1188	1A South	LETF/CTL-I	LETF-2-S1	3642	4.00	539.6				4.50	607.1		
LFBS1147	1A South	LETF/CTL-I	LETF-2-S1	2897	1.50	161.0				2.00	214.6		
LFBS1058	1A South	LETF/CTL-I	LETF-2-S1	1857	4.00	275.1				4.50	309.5		
LFBS1067	1A South	LETF/CTL-I	LETF-2-S10	378	2.00	28.0				2.50	35.0		
LFBS82	1A South	LETF/CTL-I	LETF-2-S10	248	2.00	18.4				2.50	23.0		
LFBS0134	1A South	LETF/CTL-I	LETF-2-S10	280	2.00	20.7	1788.9	127.7		2.50	25.9	160.8	
LFBS1068	1A South	LETF/CTL-I	LETF-2-S10	517	2.00	38.3				2.50	47.9		
LFBS42	1A South	LETF/CTL-I	LETF-2-S10	260	1.50	14.4				2.00	19.3		
LFBS1226	1A South	LETF/CTL-I	LETF-2-S10	105	2.00	7.8				2.50	9.7		
LFBS52	1A South	LETF/CTL-I	LETF-2-S11	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
LFTS12	1A South	LETF/CTL-I	LETF-2-S12	401	8.00	118.7	400.7	118.7		8.50	126.1	126.1	
LFBS1015	1A South	LETF/CTL-I	LETF-2-S13	2366	2.50	219.1				3.00	262.9		
LFBS1003	1A South	LETF/CTL-I	LETF-2-S13	1131	2.00	83.7	6655.3	736.8		2.50	104.7	860.0	
LFBS1005	1A South	LETF/CTL-I	LETF-2-S13	1269	7.00	329.0				7.50	352.5		
LFBS1173	1A South	LETF/CTL-I	LETF-2-S13	1890	1.50	105.0				2.00	140.0		
LFBS44	1A South	LETF/CTL-I	LETF-2-S14	237	1.50	13.1				2.00	17.5		
LFBS0174	1A South	LETF/CTL-I	LETF-2-S14	187	2.00	13.8				2.50	17.3		
LFBS45	1A South	LETF/CTL-I	LETF-2-S14	452	1.50	25.1				2.00	33.5		
LFBS0215	1A South	LETF/CTL-I	LETF-2-S14	106	3.00	11.7	2037.1	148.4		3.50	13.7	186.1	
LFBS0172	1A South	LETF/CTL-I	LETF-2-S14	182	2.00	13.5				2.50	16.8		
LFBS43	1A South	LETF/CTL-I	LETF-2-S14	413	2.00	30.6				2.50	38.3		
LFBS0216	1A South	LETF/CTL-I	LETF-2-S14	171	3.00	19.0				3.50	22.2		
LFBS48	1A South	LETF/CTL-I	LETF-2-S14	290	2.00	21.5				2.50	26.8		
LFBS24	1A South	LETF/CTL-I	LETF-2-S15	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
LFBS0100	1A South	LETF/CTL-I	LETF-2-S16	523	1.50	29.1	1091.5	71.2		2.00	38.8	91.4	
LFBS1158	1A South	LETF/CTL-I	LETF-2-S16	568	2.00	42.1				2.50	52.6		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
LFBS0162	1A South	LETF/CTL-I	LETF-2-S17	401	6.00	89.1	401.2	89.1		6.50	96.6	96.6	
LFBS04	1A South	LETF/CTL-I	LETF-2-S18	655	1.50	36.4	1326.6	86.1		2.00	48.5	110.7	
LFBS1029	1A South	LETF/CTL-I	LETF-2-S18	672	2.00	49.8				2.50	62.2		
LFBS1185	1A South	LETF/CTL-I	LETF-2-S19	2167	1.50	120.4	4953.6	275.2		2.00	160.5	366.9	
LFBS1212	1A South	LETF/CTL-I	LETF-2-S19	2786	1.50	154.8				2.00	206.4		
LFBS1050	1A South	LETF/CTL-I	LETF-2-S2	470	2.50	43.5				3.00	52.2		
LFBS0144	1A South	LETF/CTL-I	LETF-2-S2	1009	10.00	373.6				10.50	392.3		
LFBS58	1A South	LETF/CTL-I	LETF-2-S2	385	2.00	28.5	3130.9	651.2		2.50	35.6	709.2	
LFBS1051	1A South	LETF/CTL-I	LETF-2-S2	463	2.00	34.3				2.50	42.9		
LFBS59	1A South	LETF/CTL-I	LETF-2-S2	804	5.75	171.2				6.25	186.1		
LFBS1042	1A South	LETF/CTL-I	LETF-2-S20	656	1.75	42.5	655.7	42.5		2.25	54.6	54.6	
LFBS1100	1A South	LETF/CTL-I	LETF-2-S21	401	6.00	89.1	401.2	89.1		6.50	96.6	96.6	
ENBS0084	1A South	LETF/CTL-I	LETF-2-S22	256	1.50	14.2				2.00	18.9		
ENBS0094	1A South	LETF/CTL-I	LETF-2-S22	375	1.50	20.9	860.6	47.8		2.00	27.8	63.7	
ENBS0096	1A South	LETF/CTL-I	LETF-2-S22	230	1.50	12.8				2.00	17.0		
LFBS1043	1A South	LETF/CTL-I	LETF-2-S23	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
LFET0107	1A South	LETF/CTL-I	LETF-2-S24	2093	3.50	271.3				4.00	310.0		
LFBS0287	1A South	LETF/CTL-I	LETF-2-S24	1042	1.50	57.9				2.00	77.2		
LFBS0324	1A South	LETF/CTL-I	LETF-2-S24	746	1.50	41.4				2.00	55.2		
LFET0118	1A South	LETF/CTL-I	LETF-2-S24	1315	4.50	219.1				5.00	243.4		
LFET0201	1A South	LETF/CTL-I	LETF-2-S24	1732	1.50	96.2				2.00	128.3		
LFBS0253	1A South	LETF/CTL-I	LETF-2-S24	793	1.10	32.3				1.60	47.0		
LFET0105	1A South	LETF/CTL-I	LETF-2-S24	1191	2.40	105.8				2.90	127.9		
LFET0100	1A South	LETF/CTL-I	LETF-2-S24	1117	3.00	124.1	18048.0	1714.9		3.50	144.8	2049.1	
LFBS0340	1A South	LETF/CTL-I	LETF-2-S24	413	6.50	99.4				7.00	107.1		
LFBS0277	1A South	LETF/CTL-I	LETF-2-S24	1756	2.40	156.1				2.90	188.6		
LFET0203	1A South	LETF/CTL-I	LETF-2-S24	1232	3.50	159.7				4.00	182.6		
LFET0200	1A South	LETF/CTL-I	LETF-2-S24	715	3.50	92.7				4.00	105.9		
LFBS0268	1A South	LETF/CTL-I	LETF-2-S24	774	1.50	43.0				2.00	57.4		
LFBS0335	1A South	LETF/CTL-I	LETF-2-S24	1294	1.50	71.9				2.00	95.8		
LFBS0266	1A South	LETF/CTL-I	LETF-2-S24	894	1.50	49.7				2.00	66.2		
LFET0202	1A South	LETF/CTL-I	LETF-2-S24	941	2.70	94.1				3.20	111.6		
LFBS0211	1A South	LETF/CTL-I	LETF-2-S25	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
LFBS0206	1A South	LETF/CTL-I	LETF-2-S26	646	6.00	143.6	646.2	143.6		6.50	155.6	155.6	
LFBS0212	1A South	LETF/CTL-I	LETF-2-S27	730	1.50	40.5				2.00	54.0		
LFBS1136	1A South	LETF/CTL-I	LETF-2-S27	742	3.00	82.4	2167.3	303.4	10962.0	3.50	96.1	343.6	13009.7
LFBS1137	1A South	LETF/CTL-I	LETF-2-S27	696	7.00	180.5				7.50	193.4		
ENBS0036	1A South	LETF/CTL-I	LETF-2-S28	89	1.25	4.1				1.75	5.7		
LFBS1131	1A South	LETF/CTL-I	LETF-2-S28	89	1.50	4.9	223.0	11.6		2.00	6.6	15.7	
ENBS0133	1A South	LETF/CTL-I	LETF-2-S28	46	1.50	2.5				2.00	3.4		
LFR-3	1A South	LETF/CTL-I	LETF-2-S29	564	1.70	35.5				2.20	45.9		
LFBS0173	1A South	LETF/CTL-I	LETF-2-S29	2027	2.50	187.7				3.00	225.2		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
B-12-02	1A South	LETF/CTL-I	LETF-2-S29	649	2.00	48.1				2.50	60.1		
LFBS0221	1A South	LETF/CTL-I	LETF-2-S29	1244	2.50	115.2	6749.0	593.3		3.00	138.2	718.3	
LFBS0220	1A South	LETF/CTL-I	LETF-2-S29	1088	2.50	100.7				3.00	120.8		
LFSS02	1A South	LETF/CTL-I	LETF-2-S29	98	1.70	6.1				2.20	8.0		
LFBS1021	1A South	LETF/CTL-I	LETF-2-S29	1080	2.50	100.0				3.00	120.0		
LFBS0191	1A South	LETF/CTL-I	LETF-2-S3	709	2.00	52.5	1314.0	97.3		2.50	65.6	121.7	
LFBS1191	1A South	LETF/CTL-I	LETF-2-S3	605	2.00	44.8				2.50	56.0		
CNBS1110	1A South	LETF/CTL-I	LETF-2-S30	414	1.50	23.0	414.4	23.0		2.00	30.7	30.7	
LFBS1111	1A South	LETF/CTL-I	LETF-2-S31	1860	2.00	137.7				2.50	172.2		
LFBS1200	1A South	LETF/CTL-I	LETF-2-S31	1112	1.50	61.8				2.00	82.4		
LFBS1197	1A South	LETF/CTL-I	LETF-2-S31	1167	2.00	86.5	7870.2	646.0		2.50	108.1	791.7	
LFBS0218	1A South	LETF/CTL-I	LETF-2-S31	1474	2.00	109.2				2.50	136.5		
LFBS1099	1A South	LETF/CTL-I	LETF-2-S31	2257	3.00	250.8				3.50	292.6		
	1A South	LETF/CTL-I	LETF-2-S32	228	1.00	8.5	228.4	8.5		1.50	12.7	12.7	
LFBS1105S070	1A South	LETF/CTL-I	LETF-2-S33	271	1.50	15.1				2.00	20.1		
LFBS0155S003	1A South	LETF/CTL-I	LETF-2-S33	245	2.00	18.1				2.50	22.7		
LFBS0154S003	1A South	LETF/CTL-I	LETF-2-S33	304	2.00	22.5				2.50	28.2		
LFBS0154S001	1A South	LETF/CTL-I	LETF-2-S33	459	2.00	34.0	2038.0	142.2		2.50	42.5	179.9	
LFBS1105S003	1A South	LETF/CTL-I	LETF-2-S33	174	1.50	9.7				2.00	12.9		
LFBS1105S001	1A South	LETF/CTL-I	LETF-2-S33	30	1.50	1.7				2.00	2.2		
LFBS1103	1A South	LETF/CTL-I	LETF-2-S33	246	2.00	18.2				2.50	22.8		
LFBS0154S070	1A South	LETF/CTL-I	LETF-2-S33	309	2.00	22.9				2.50	28.6		
	1A South	LETF/CTL-I	LETF-2-S34	320	1.00	11.9	320.1	11.9		1.50	17.8	17.8	
ENBS0146	1A South	LETF/CTL-I	LETF-2-S35	476	1.50	26.5	476.2	26.5		2.00	35.3	35.3	
LFBS1077	1A South	LETF/CTL-I	LETF-2-S36	403	2.00	29.9	403.2	29.9		2.50	37.3	37.3	
LFBS1153	1A South	LETF/CTL-I	LETF-2-S37	394	2.00	29.2	394.3	29.2		2.50	36.5	36.5	
LFBS1045	1A South	LETF/CTL-I	LETF-2-S4	473	3.00	52.5				3.50	61.3		
LFBS0130	1A South	LETF/CTL-I	LETF-2-S4	744	2.00	55.1	2279.0	272.8		2.50	68.9	315.0	
LFBS1049	1A South	LETF/CTL-I	LETF-2-S4	583	6.00	129.7				6.50	140.5		
LFBS1074	1A South	LETF/CTL-I	LETF-2-S4	479	2.00	35.5				2.50	44.4		
LFBS88	1A South	LETF/CTL-I	LETF-2-S5	1093	2.00	81.0				2.50	101.2		
LFBS89	1A South	LETF/CTL-I	LETF-2-S5	1131	2.00	83.8	2944.6	204.8		2.50	104.7	259.3	
LFBS1148	1A South	LETF/CTL-I	LETF-2-S5	720	1.50	40.0				2.00	53.3		
LFST1000	1A South	LETF/CTL-I	LETF-2-S6	401	2.00	29.7	401.2	29.7		2.50	37.1	37.1	
LFBS1179	1A South	LETF/CTL-I	LETF-2-S7	1345	1.50	74.7				2.00	99.6		
LFBS1182	1A South	LETF/CTL-I	LETF-2-S7	2007	1.50	111.5				2.00	148.7		
LFBS1031	1A South	LETF/CTL-I	LETF-2-S7	1259	1.50	69.9	10577.4	833.4		2.00	93.2	1029.3	
LFBS1019	1A South	LETF/CTL-I	LETF-2-S7	4760	1.50	264.4				2.00	352.6		
LFBS1181	1A South	LETF/CTL-I	LETF-2-S7	1207	7.00	312.8				7.50	335.2		
LFBS0124	1A South	LETF/CTL-I	LETF-2-S8	617	2.50	57.2				3.00	68.6		
LFBS62	1A South	LETF/CTL-I	LETF-2-S8	436	2.00	32.3				2.50	40.3		
LFBS1160	1A South	LETF/CTL-I	LETF-2-S8	883	6.00	196.1				6.50	212.5		

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LFTS19S01	1A South	LETF/CTL-I	LETF-2-S8	519	5.00	96.2				5.50	105.8		
LFBS38	1A South	LETF/CTL-I	LETF-2-S8	369	2.00	27.3				2.50	34.1		
LFBS0127	1A South	LETF/CTL-I	LETF-2-S8	549	6.00	121.9				6.50	132.1		
LFBS31	1A South	LETF/CTL-I	LETF-2-S8	1052	1.50	58.5				2.00	77.9		
LFBS1085	1A South	LETF/CTL-I	LETF-2-S8	334	2.00	24.8				2.50	31.0		
LFBS1084	1A South	LETF/CTL-I	LETF-2-S8	738	2.00	54.7	10368.3	1432.8		2.50	68.4	1624.8	
LFTS20S02	1A South	LETF/CTL-I	LETF-2-S8	335	10.00	123.9				10.50	130.1		
LFTS20S01	1A South	LETF/CTL-I	LETF-2-S8	567	5.00	105.0				5.50	115.5		
LFBS39	1A South	LETF/CTL-I	LETF-2-S8	488	2.00	36.2				2.50	45.2		
LFBS0231	1A South	LETF/CTL-I	LETF-2-S8	550	5.50	112.1				6.00	122.3		
LFTS19S02	1A South	LETF/CTL-I	LETF-2-S8	486	10.00	180.1				10.50	189.1		
LFBS37	1A South	LETF/CTL-I	LETF-2-S8	405	1.50	22.5				2.00	30.0		
LFBS0129	1A South	LETF/CTL-I	LETF-2-S8	493	6.50	118.6				7.00	127.7		
LFBS36	1A South	LETF/CTL-I	LETF-2-S8	442	1.50	24.6				2.00	32.8		
LFBS54	1A South	LETF/CTL-I	LETF-2-S8	1104	1.00	40.9				1.50	61.4		
LFBS1196	1A South	LETF/CTL-I	LETF-2-S9	401	4.50	66.9	401.2	66.9		5.00	74.3	74.3	
BABS1155	1B North	Bowl	BOWL-2-S1	66	1.50	3.7	66.0	3.7		2.00	4.9	4.9	
BABS2061	1B North	Bowl	BOWL-2-S10	1348	1.50	74.9				2.00	99.8		
BABS06	1B North	Bowl	BOWL-2-S10	1796	6.00	399.0				6.50	432.3		
B-4-02	1B North	Bowl	BOWL-2-S10	870	1.50	48.3				2.00	64.4		
BABS2058	1B North	Bowl	BOWL-2-S10	1633	1.50	90.7	9087.7	921.8		2.00	121.0	1090.1	
B-4-03	1B North	Bowl	BOWL-2-S10	895	1.50	49.7				2.00	66.3		
BABS1019B	1B North	Bowl	BOWL-2-S10	794	5.50	161.8				6.00	176.5		
BABS09	1B North	Bowl	BOWL-2-S10	1752	1.50	97.3				2.00	129.8		
BABS60S02	1B North	Bowl	BOWL-2-S100	253	1.50	14.0				2.00	18.7		
BABS60S03	1B North	Bowl	BOWL-2-S100	288	1.50	16.0	1008.8	56.0		2.00	21.4	74.7	
BABS60S70	1B North	Bowl	BOWL-2-S100	116	1.50	6.4				2.00	8.6		
BABS60S01	1B North	Bowl	BOWL-2-S42	352	1.50	19.5				2.00	26.0		
BABS1168	1B North	Bowl	BOWL-2-S106	298	5.00	55.2	298.2	55.2		5.50	60.7	60.7	
B-4-05	1B North	Bowl	BOWL-2-S107	1077	1.00	39.9				1.50	59.8		
BABS1121	1B North	Bowl	BOWL-2-S107	1443	6.00	320.6	3859.2	434.9		6.50	347.3	506.4	
BABS2096	1B North	Bowl	BOWL-2-S107	1340	1.50	74.4				2.00	99.2		
BABS2132	1B North	Bowl	BOWL-2-S11	489	3.50	63.3				4.00	72.4		
BABS3021	1B North	Bowl	BOWL-2-S11	565	2.50	52.3	1457.7	192.8		3.00	62.7	219.8	
BATS15	1B North	Bowl	BOWL-2-S11	306	6.00	68.1				6.50	73.7		
BABS2023	1B North	Bowl	BOWL-2-S11	98	2.50	9.1				3.00	10.9		
BABS53	1B North	Bowl	BOWL-2-S118	679	6.00	150.9	1238.4	358.1		6.50	163.5	381.0	
BABS2014	1B North	Bowl	BOWL-2-S118	559	10.00	207.2				10.50	217.6		
BABS1011	1B North	Bowl	BOWL-2-S12	208	2.00	15.4	346.7	23.1		2.50	19.3	29.5	
BABS2000	1B North	Bowl	BOWL-2-S12	138	1.50	7.7				2.00	10.3		
BABS2010	1B North	Bowl	BOWL-2-S122	384	2.50	35.6	384.1	35.6		3.00	42.7	42.7	
BABS1027	1B North	Bowl	BOWL-2-S126	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
BABS1104	1B North	Bowl	BOWL-2-S137	452	1.50	25.1	452.4	25.1		2.00	33.5	33.5	
BABS1010	1B North	Bowl	BOWL-2-S13	395	2.00	29.2				2.50	36.5		
BABS2001	1B North	Bowl	BOWL-2-S13	260	1.50	14.5	943.9	118.6		2.00	19.3	136.1	
BABS1029	1B North	Bowl	BOWL-2-S13	289	7.00	74.9				7.50	80.3		
BABS52	1B North	Bowl	BOWL-2-S14	647	17.00	407.5				17.50	419.5		
BATS05	1B North	Bowl	BOWL-2-S14	920	5.50	187.4	2115.5	737.0		6.00	204.4	776.2	
BABS2067	1B North	Bowl	BOWL-2-S14	548	7.00	142.2				7.50	152.3		
BABS2134	1B North	Bowl	BOWL-2-S144	731	1.50	40.6	730.8	40.6		2.00	54.1	54.1	
BABS2084	1B North	Bowl	BOWL-2-S146	452	1.50	25.1	452.4	25.1		2.00	33.5	33.5	
BABS1118	1B North	Bowl	BOWL-2-S15	230	1.50	12.8				2.00	17.1		
BABS2019	1B North	Bowl	BOWL-2-S15	203	1.50	11.3	770.0	111.4		2.00	15.1	125.6	
BABS1090B	1B North	Bowl	BOWL-2-S15	337	7.00	87.3				7.50	93.5		
BABS1007	1B North	Bowl	BOWL-2-S150	207	2.00	15.3	400.0	58.3		2.50	19.1	65.7	
BABS1109	1B North	Bowl	BOWL-2-S150	193	6.00	43.0				6.50	46.6		
BABS2085	1B North	Bowl	BOWL-2-S16	241	2.00	17.9	609.1	113.2	7092.5	2.50	22.3	124.5	7952.0
BABS1030	1B North	Bowl	BOWL-2-S16	368	7.00	95.3				7.50	102.2		
BABS1100	1B North	Bowl	BOWL-2-S2	186	2.00	13.8	185.9	13.8		2.50	17.2	17.2	
BABS2054	1B North	Bowl	BOWL-2-S21	365	2.50	33.8	364.9	33.8		3.00	40.5	40.5	
BABS1075	1B North	Bowl	BOWL-2-S22	653	2.00	48.4	1244.4	81.2		2.50	60.5	104.3	
BABS1033	1B North	Bowl	BOWL-2-S22	591	1.50	32.8				2.00	43.8		
BABS2041	1B North	Bowl	BOWL-2-S26	395	1.50	22.0	395.4	22.0		2.00	29.3	29.3	
BABS1038	1B North	Bowl	BOWL-2-S27	438	2.00	32.4	437.9	32.4		2.50	40.5	40.5	
BABS1015	1B North	Bowl	BOWL-2-S29	445	1.50	24.7	1001.6	55.6		2.00	33.0	74.2	
BABS1117	1B North	Bowl	BOWL-2-S29	556	1.50	30.9				2.00	41.2		
BABS1154	1B North	Bowl	BOWL-2-S3	180	2.50	16.7	180.1	16.7		3.00	20.0	20.0	
BABS3047	1B North	Bowl	BOWL-2-S31	294	1.50	16.3	293.9	16.3		2.00	21.8	21.8	
BABS1081	1B North	Bowl	BOWL-2-S33	528	2.00	39.1	527.8	39.1		2.50	48.9	48.9	
BABS1054	1B North	Bowl	BOWL-2-S34	397	1.50	22.1	397.4	22.1		2.00	29.4	29.4	
BABS3017	1B North	Bowl	BOWL-2-S37	858	4.00	127.1	857.9	127.1		4.50	143.0	143.0	
BABS2059	1B North	Bowl	BOWL-2-S38	372	18.00	248.1	372.2	248.1		18.50	255.0	255.0	
BABS2050	1B North	Bowl	BOWL-2-S4	281	2.50	26.0	281.1	26.0		3.00	31.2	31.2	
BABS1003	1B North	Bowl	BOWL-2-S40	540	7.00	140.0	539.8	140.0		7.50	149.9	149.9	
BABS1025	1B North	Bowl	BOWL-2-S42	469	2.00	34.7	468.9	34.7		2.50	43.4	43.4	
BABS1125	1B North	Bowl	BOWL-2-S43	432	1.50	24.0	432.0	24.0		2.00	32.0	32.0	
BABS1062	1B North	Bowl	BOWL-2-S44	363	2.00	26.9	710.3	46.2		2.50	33.6	59.3	
BABS49	1B North	Bowl	BOWL-2-S44	347	1.50	19.3				2.00	25.7		
BABS1017	1B North	Bowl	BOWL-2-S45	348	2.00	25.8	348.3	25.8		2.50	32.3	32.3	
BABS2057	1B North	Bowl	BOWL-2-S46	378	1.50	21.0	377.6	21.0		2.00	28.0	28.0	
B-4-07	1B North	Bowl	BOWL-2-S5	113	1.00	4.2				1.50	6.3		
BABS1170	1B North	Bowl	BOWL-2-S5	412	9.50	144.9	1538.4	450.3		10.00	152.5	478.7	
BABS1173	1B North	Bowl	BOWL-2-S5	939	8.50	295.7				9.00	313.1		
BASS02	1B North	Bowl	BOWL-2-S5	74	2.00	5.5				2.50	6.9		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
	1B North	Bowl	BOWL-2-S500	2753	10.00	1019.5	2752.7	1019.5		10.50	1070.5	1070.5	
BABS1171	1B North	Bowl	BOWL-2-S6	70	10.50	27.2	69.8	27.2		11.00	28.4	28.4	
BABS1023	1B North	Bowl	BOWL-2-S7	760	2.00	56.3	1052.6	72.6		2.50	70.4	92.1	
BABS1085	1B North	Bowl	BOWL-2-S7	292	1.50	16.2				2.00	21.7		
BABS1055	1B North	Bowl	BOWL-2-S8	600	2.00	44.4	4595.4	537.6		2.50	55.6	622.7	
BABS1132	1B North	Bowl	BOWL-2-S8	487	1.50	27.0				2.00	36.1		
BABS1163	1B North	Bowl	BOWL-2-S8	584	1.50	32.5				2.00	43.3		
BABS2073	1B North	Bowl	BOWL-2-S8	870	5.00	161.1				5.50	177.3		
BABS1140	1B North	Bowl	BOWL-2-S8	1046	1.25	48.4				1.75	67.8		
BABS1139	1B North	Bowl	BOWL-2-S8	1009	6.00	224.1				6.50	242.8		
BABS1131	1B North	Bowl	BOWL-2-S9	846	4.00	125.4	1990.7	591.6		4.50	141.1	628.5	
BABS1031	1B North	Bowl	BOWL-2-S9	1144	11.00	466.2				11.50	487.4		
BABS2070	1B North	Bowl	BOWL-2-S99	321	2.00	23.8	321.2	23.8		2.50	29.7	29.7	
R1BS01	1B North	R-1 Pond	R1-2-S1	1798	3.00	199.8	12838.2	2238.4		3.50	233.1	2476.1	
R1BS1018	1B North	R-1 Pond	R1-2-S1	1867	7.00	484.0				7.50	518.6		
R1BS18	1B North	R-1 Pond	R1-2-S1	3161	2.00	234.2				2.50	292.7		
R1BS1028	1B North	R-1 Pond	R1-2-S1	1681	2.00	124.5				2.50	155.6		
R1BS03	1B North	R-1 Pond	R1-2-S1	886	2.00	65.6				2.50	82.0		
R1BS0022	1B North	R-1 Pond	R1-2-S1	2921	10.00	1081.7				10.50	1135.8		
R1BS2052	1B North	R-1 Pond	R1-2-S1	524	2.50	48.5				3.00	58.2		
R1BS1050	1B North	R-1 Pond	R1-2-S10	178	7.00	46.3	178.4	46.3		7.50	49.6	49.6	
R1BS09	1B North	R-1 Pond	R1-2-S11	344	3.00	38.2	568.2	79.8		3.50	44.6	90.3	
R1TS01S01	1B North	R-1 Pond	R1-2-S11	224	5.00	41.5				5.50	45.7		
R1BS2091	1B North	R-1 Pond	R1-2-S112	452	5.00	83.8	452.4	83.8		5.50	92.2	92.2	
R1BS17	1B North	R-1 Pond	R1-2-S113	452	4.00	67.0	452.4	67.0		4.50	75.4	75.4	
R1BS06	1B North	R-1 Pond	R1-2-S2	1726	5.00	319.6	11510.2	1818.1		5.50	351.6	2031.3	
R1BS0021	1B North	R-1 Pond	R1-2-S2	5838	3.00	648.7				3.50	756.8		
R1BS2034	1B North	R-1 Pond	R1-2-S2	49	7.00	12.7				7.50	13.6		
R1BS1023	1B North	R-1 Pond	R1-2-S2	2337	6.00	519.3				6.50	562.6		
R1BS1031	1B North	R-1 Pond	R1-2-S2	1560	5.50	317.7				6.00	346.6		
R1BS3007	1B North	R-1 Pond	R1-2-S3	3346	23.00	2850.2	7965.4	3558.3		23.50	2912.1	3705.8	
R1BS2067	1B North	R-1 Pond	R1-2-S3	794	13.00	382.4				13.50	397.1		
R1BS1021	1B North	R-1 Pond	R1-2-S3	2680	2.00	198.5				2.50	248.1		
R1BS19	1B North	R-1 Pond	R1-2-S3	1145	3.00	127.3				3.50	148.5		
B-5-01	1B North	R-1 Pond	R1-2-S5	172	1.50	9.5	2157.0	634.5		2.00	12.7	674.5	
R1BS1029	1B North	R-1 Pond	R1-2-S5	1985	8.50	625.0				9.00	661.8		
R1BS2018	1B North	R-1 Pond	R1-2-S6	1305	6.20	299.8	3569.9	564.7		6.70	324.0	630.8	
R1BS1061	1B North	R-1 Pond	R1-2-S6	1740	2.00	128.9				2.50	161.1		
R1BS1030	1B North	R-1 Pond	R1-2-S6	525	7.00	136.0				7.50	145.7		
R1BS1016	1B North	R-1 Pond	R1-2-S7	268	11.00	109.0	267.6	109.0		11.50	114.0	114.0	
R1BS3000	1B North	R-1 Pond	R1-2-S12	269	1.50	15.0	269.5	15.0	10300.9	2.00	20.0	20.0	11256.7

Appendix B
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R1BS2095	1B North	R-1 Pond	R1-2-S13	348	1.40	18.1	545.8	27.6		1.90	24.5	37.7	
R1BS2096	1B North	R-1 Pond	R1-2-S13	198	1.30	9.5				1.80	13.2		
R1BS1011	1B North	R-1 Pond	R1-2-S14	56	7.00	14.6	56.4	14.6		7.50	15.7	15.7	
R1BS3001	1B North	R-1 Pond	R1-2-S15	150	6.00	33.2	149.5	33.2		6.50	36.0	36.0	
R1BS2099	1B North	R-1 Pond	R1-2-S16	383	2.50	35.5	383.3	35.5		3.00	42.6	42.6	
R1ST1000	1B North	R-1 Pond	R1-2-S17	492	2.00	36.5	492.4	36.5		2.50	45.6	45.6	
R1BS2093	1B North	R-1 Pond	R1-2-S18	296	2.50	27.5	296.5	27.5		3.00	32.9	32.9	
R1BS2092	1B North	R-1 Pond	R1-2-S19	512	1.50	28.4	511.8	28.4		2.00	37.9	37.9	
R1BS1006	1B North	R-1 Pond	R1-2-S20	610	7.00	158.2	3595.6	514.4		7.50	169.5	581.0	
R1BS2063	1B North	R-1 Pond	R1-2-S20	931	3.00	103.4				3.50	120.7		
R1BS1009	1B North	R-1 Pond	R1-2-S20	1344	2.00	99.5				2.50	124.4		
R1BS2073	1B North	R-1 Pond	R1-2-S20	143	12.00	63.6				12.50	66.2		
R1BS1007	1B North	R-1 Pond	R1-2-S20	223	7.00	57.8				7.50	61.9		
R1BS2062	1B North	R-1 Pond	R1-2-S20	345	2.50	32.0				3.00	38.3		
R1BS2311	1B North	R-1 Pond	R1-2-S21	165	1.50	9.2	362.3	20.1		2.00	12.3	26.8	
R1BS2312	1B North	R-1 Pond	R1-2-S21	197	1.50	10.9				2.00	14.6		
R1BS1043	1B North	R-1 Pond	R1-2-S22	228	2.00	16.9	1109.8	94.0		2.50	21.1	114.6	
R1BS1072	1B North	R-1 Pond	R1-2-S22	384	2.00	28.4				2.50	35.5		
R1BS2039	1B North	R-1 Pond	R1-2-S22	309	1.50	17.2				2.00	22.9		
R1BS2041	1B North	R-1 Pond	R1-2-S22	189	4.50	31.5				5.00	35.0		
R1BS2008	1B North	R-1 Pond	R1-2-S23	309	1.50	17.2	309.4	17.2		2.00	22.9	22.9	
R1BS2045	1B North	R-1 Pond	R1-2-S24	314	2.50	29.1	314.2	29.1		3.00	34.9	34.9	
	1B North	R-1 Pond	R1-2-S25	401	1.00	14.8	400.6	14.8		1.50	22.3	22.3	
R1BS2070	1B North	R-1 Pond	R1-2-S26	308	1.50	17.1	308.2	17.1		2.00	22.8	22.8	
GMBS2000	1B North	R-1 Pond	R1-2-S27	452	2.20	36.9	452.4	36.9		2.70	45.2	45.2	
R1BS2059	1B North	R-1 Pond	R1-2-S29	1230	2.00	91.1	1229.9	91.1		2.50	113.9	113.9	
UBBS3022	1B North	R-1 Pond	R1-2-S28	865	1.50	48.1	865.3	48.1		2.00	64.1	64.1	
CLBS2065	1B SE	CTL-III	CTL-III-2-S1	316	1.50	17.5	714.2	39.7		2.00	23.4	52.9	
CLBS19	1B SE	CTL-III	CTL-III-2-S1	276	1.50	15.4				2.00	20.5		
CLBS49	1B SE	CTL-III	CTL-III-2-S1	122	1.50	6.8				2.00	9.0		
CLBS2176	1B SE	CTL-III	CTL-III-2-S10	1784	1.50	99.1	20493.7	2234.2		2.00	132.1	2613.7	
CLBS2130	1B SE	CTL-III	CTL-III-2-S10	2243	6.00	498.5				6.50	540.0		
CLBS2034	1B SE	CTL-III	CTL-III-2-S10	1378	2.50	127.6				3.00	153.1		
CLBS2120	1B SE	CTL-III	CTL-III-2-S10	1495	1.50	83.0				2.00	110.7		
CLST1002	1B SE	CTL-III	CTL-III-2-S10	3108	2.00	230.2				2.50	287.8		
CLBS2106	1B SE	CTL-III	CTL-III-2-S10	1871	2.50	173.3				3.00	207.9		
CLBS2137	1B SE	CTL-III	CTL-III-2-S10	2284	2.50	211.5				3.00	253.7		
CLST1001	1B SE	CTL-III	CTL-III-2-S10	1276	2.00	94.5				2.50	118.2		
CLBS3054	1B SE	CTL-III	CTL-III-2-S10	3360	5.00	622.3				5.50	684.5		
CLBS2035	1B SE	CTL-III	CTL-III-2-S10	1694	1.50	94.1				2.00	125.5		
CLBS1045	1B SE	CTL-III	CTL-III-2-S11	665	7.00	172.4	664.8	172.4		7.50	184.7	184.7	
CLBS3047	1B SE	CTL-III	CTL-III-2-S13	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CLBS3000	1B SE	CTL-III	CTL-III-2-S15a	58	1.50	3.2	58.1	3.2		2.00	4.3	4.3	
CLBS35	1B SE	CTL-III	CTL-III-2-S16	113	1.50	6.3	215.1	47.8		2.00	8.4	51.7	
CLBS2031	1B SE	CTL-III	CTL-III-2-S16	102	11.00	41.5				11.50	43.3		
CLBS1017	1B SE	CTL-III	CTL-III-2-S17a	2450	2.00	181.5	2862.1	204.4		2.50	226.9	257.4	
CLBS2076	1B SE	CTL-III	CTL-III-2-S17a	412	1.50	22.9				2.00	30.5		
CLBS62	1B SE	CTL-III	CTL-III-2-S18	464	2.50	43.0	1001.9	112.7		3.00	51.6	131.2	
CLTS1100	1B SE	CTL-III	CTL-III-2-S18	537	3.50	69.7				4.00	79.6		
CLBS2143	1B SE	CTL-III	CTL-III-2-S19	1398	1.50	77.6	1397.6	77.6		2.00	103.5	103.5	
CLBS2162	1B SE	CTL-III	CTL-III-2-S2	46	1.50	2.6	46.5	2.6		2.00	3.4	3.4	
CLBS2037	1B SE	CTL-III	CTL-III-2-S20	374	1.50	20.8	680.0	43.4		2.00	27.7	56.0	
CLST1003	1B SE	CTL-III	CTL-III-2-S20	306	2.00	22.6				2.50	28.3		
CLBS1104	1B SE	CTL-III	CTL-III-2-S21	401	2.00	29.7	401.2	29.7		2.50	37.1	37.1	
GMBS2001	1B SE	CTL-III	CTL-III-2-S22	2057	2.10	160.0	5965.4	420.2		2.60	198.1	530.7	
CLBS1100	1B SE	CTL-III	CTL-III-2-S22	2327	2.00	172.4				2.50	215.4		
CLBS1176	1B SE	CTL-III	CTL-III-2-S22	1173	1.50	65.2				2.00	86.9		
CLBS2045	1B SE	CTL-III	CTL-III-2-S22	408	1.50	22.7				2.00	30.2		
CLBS2125	1B SE	CTL-III	CTL-III-2-S23a	432	1.50	24.0	1490.9	298.6		2.00	32.0	326.2	
CLBS1046	1B SE	CTL-III	CTL-III-2-S23a	1059	7.00	274.6				7.50	294.2		
CLBS1191	1B SE	CTL-III	CTL-III-2-S24	167	1.00	6.2	240.2	9.6		1.50	9.3	14.0	
CLBS1192	1B SE	CTL-III	CTL-III-2-S24	73	1.25	3.4				1.75	4.7		
CLBS1179	1B SE	CTL-III	CTL-III-2-S25	982	1.50	54.6	6349.0	635.4		2.00	72.8	752.9	
CLBS2148	1B SE	CTL-III	CTL-III-2-S25	1311	1.50	72.9				2.00	97.1		
CLBS1101	1B SE	CTL-III	CTL-III-2-S25	778	7.00	201.8				7.50	216.2		
CLBS2149	1B SE	CTL-III	CTL-III-2-S25	1541	2.50	142.7				3.00	171.2		
CLBS3003	1B SE	CTL-III	CTL-III-2-S25	1219	1.50	67.7				2.00	90.3		
CLBS2109	1B SE	CTL-III	CTL-III-2-S25	517	5.00	95.7				5.50	105.3		
CLBS1219	1B SE	CTL-III	CTL-III-2-S26	750	2.50	69.5	1478.6	136.9		3.00	83.4	164.3	
CLBS1220	1B SE	CTL-III	CTL-III-2-S26	728	2.50	67.4				3.00	80.9		
CLBS1023	1B SE	CTL-III	CTL-III-2-S27	312	2.00	23.1	635.5	41.1		2.50	28.9	52.9	
CLBS2018	1B SE	CTL-III	CTL-III-2-S27	323	1.50	17.9				2.00	23.9		
CLBS2150	1B SE	CTL-III	CTL-III-2-S28	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
CLBS2087	1B SE	CTL-III	CTL-III-2-S29	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
CLBS2121	1B SE	CTL-III	CTL-III-2-S3	230	2.00	17.1	529.9	33.7		2.50	21.3	43.5	
CLBS59	1B SE	CTL-III	CTL-III-2-S3	300	1.50	16.6				2.00	22.2		
CLBS28	1B SE	CTL-III	CTL-III-2-S32	236	1.50	13.1	715.2	39.7		2.00	17.5	53.0	
CLSS07	1B SE	CTL-III	CTL-III-2-S32	480	1.50	26.6				2.00	35.5		
CLBS2080	1B SE	CTL-III	CTL-III-2-S33	79	1.50	4.4	78.5	4.4		2.00	5.8	5.8	
CLBS2102	1B SE	CTL-III	CTL-III-2-S34	188	1.50	10.4	187.8	10.4		2.00	13.9	13.9	
CLBS2025	1B SE	CTL-III	CTL-III-2-S30	395	1.50	22.0	395.4	22.0		2.00	29.3	29.3	
CLBS1035	1B SE	CTL-III	CTL-III-2-S35	401	6.00	89.1	401.1	89.1		6.50	96.6	96.6	
CLST1000	1B SE	CTL-III	CTL-III-2-S36	239	2.00	17.7	407.8	27.1		2.50	22.1	34.6	
CLBS2036	1B SE	CTL-III	CTL-III-2-S36	169	1.50	9.4				2.00	12.5		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SWBS1008	1B SE	CTL-III	CTL-III-2-S37	1173	1.25	54.3				1.75	76.0		
CLBS80S01	1B SE	CTL-III	CTL-III-2-S37	529	1.50	29.4				2.00	39.2		
CLTS02S05	1B SE	CTL-III	CTL-III-2-S37	1663	10.00	615.9				10.50	646.7		
CLBS1188	1B SE	CTL-III	CTL-III-2-S37	929	2.00	68.8				2.50	86.0		
CLBS1193	1B SE	CTL-III	CTL-III-2-S37	1526	3.00	169.5				3.50	197.8		
CLBS1194	1B SE	CTL-III	CTL-III-2-S37	1739	1.00	64.4				1.50	96.6		
CLBS2088	1B SE	CTL-III	CTL-III-2-S37	1839	3.30	224.8				3.80	258.9		
CLBS2049	1B SE	CTL-III	CTL-III-2-S37	1284	5.50	261.5	15402.6	2611.6		6.00	285.3	2896.8	
CLBS1102	1B SE	CTL-III	CTL-III-2-S37	615	2.00	45.6				2.50	57.0		
CLBS80S70	1B SE	CTL-III	CTL-III-2-S37	34	1.50	1.9				2.00	2.5		
CLBS80S03	1B SE	CTL-III	CTL-III-2-S37	425	1.50	23.6				2.00	31.5		
CLBS80S02	1B SE	CTL-III	CTL-III-2-S37	313	1.50	17.4				2.00	23.2		
CLBS2016	1B SE	CTL-III	CTL-III-2-S37	683	7.00	177.1				7.50	189.7		
CLBS1012	1B SE	CTL-III	CTL-III-2-S37	667	2.00	49.4				2.50	61.7		
CLBS2095	1B SE	CTL-III	CTL-III-2-S37	1983	11.00	808.0				11.50	844.7		
CLBS1126	1B SE	CTL-III	CTL-III-2-S4	401	1.50	22.3	401.1	22.3	28672.0	2.00	29.7	29.7	32696.8
CLBS1127	1B SE	CTL-III	CTL-III-2-S5	504	11.70	218.6				12.20	228.0		
CLBS1016	1B SE	CTL-III	CTL-III-2-S5	511	11.70	221.5	2169.3	940.0		12.20	230.9	980.2	
CLBS2081	1B SE	CTL-III	CTL-III-2-S5	345	11.70	149.6				12.20	156.0		
CLBS2075	1B SE	CTL-III	CTL-III-2-S5	808	11.70	350.3				12.20	365.2		
CLBS2063	1B SE	CTL-III	CTL-III-2-S8	2036	5.00	377.1				5.50	414.8		
CLBS1235	1B SE	CTL-III	CTL-III-2-S8	1797	3.00	199.6				3.50	232.9		
CLBS1236	1B SE	CTL-III	CTL-III-2-S8	1913	3.00	212.6	11882.5	1300.4		3.50	248.0	1520.5	
CLBS2103	1B SE	CTL-III	CTL-III-2-S8	3579	1.50	198.8				2.00	265.1		
CLBS1238	1B SE	CTL-III	CTL-III-2-S8	1798	3.00	199.7				3.50	233.0		
CLBS2136	1B SE	CTL-III	CTL-III-2-S8	760	4.00	112.6				4.50	126.6		
	1B SE	CTL-III	CTL-III-2-SV1	2174	6.00	483.1	2174.1	483.13		6.50	523.4	523.39	
CLBS1038	1B SE	CTL-III	CTL-III-2-SV2/S38	4260	2.00	315.5	5486.7	406.4		2.50	394.4	508.0	
CLBS2129	1B SE	CTL-III	CTL-III-2-SV2/S38	1227	2.00	90.9				2.50	113.6		
CLBS1229	1B SE	CTL-III	CTL-III-2-SV3/S6	2494	17.50	1616.3				18.00	1662.4		
CLBS1228	1B SE	CTL-III	CTL-III-2-SV3/S6	2195	17.50	1422.8				18.00	1463.4		
CLBS1227	1B SE	CTL-III	CTL-III-2-SV3/S6	2147	14.50	1152.9				15.00	1192.7		
CLBS1039	1B SE	CTL-III	CTL-III-2-SV3/S6	1467	2.00	108.6				2.50	135.8		
CLBS1050	1B SE	CTL-III	CTL-III-2-SV3/S6	3080	6.00	684.4				6.50	741.5		
CLBS1026	1B SE	CTL-III	CTL-III-2-SV3/S6	3296	2.00	244.2				2.50	305.2		
CLBS1222	1B SE	CTL-III	CTL-III-2-SV3/S6	1237	4.00	183.2	21813.6	6402.2		4.50	206.1	6806.2	
CLBS1223	1B SE	CTL-III	CTL-III-2-SV3/S6	884	4.00	131.0				4.50	147.4		
CLBS1226	1B SE	CTL-III	CTL-III-2-SV3/S6	598	12.50	276.8				13.00	287.9		
CLBS1051	1B SE	CTL-III	CTL-III-2-SV3/S6	807	5.00	149.5				5.50	164.5		
CLBS1225	1B SE	CTL-III	CTL-III-2-SV3/S6	1284	4.00	190.2				4.50	214.0		
CLBS1224	1B SE	CTL-III	CTL-III-2-SV3/S6	946	4.00	140.1				4.50	157.6		
CLBS1049	1B SE	CTL-III	CTL-III-2-SV3/S6	1379	2.00	102.1				2.50	127.7		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CLBS1022	1B SE	CTL-III	CTL-III-2-SV4/S7	1918	2.00	142.1				2.50	177.6		
CLBS2060	1B SE	CTL-III	CTL-III-2-SV4/S7	2036	2.00	150.8				2.50	188.5		
CLBS1217	1B SE	CTL-III	CTL-III-2-SV4/S7	2450	2.50	226.9				3.00	272.3		
CLBS09	1B SE	CTL-III	CTL-III-2-SV4/S7	3253	1.50	180.7				2.00	241.0		
CLBS2058	1B SE	CTL-III	CTL-III-2-SV4/S7	2993	1.50	166.3				2.00	221.7		
CLBS1021	1B SE	CTL-III	CTL-III-2-SV4/S7	1461	7.00	378.7	22126.1	2133.0		7.50	405.7	2542.8	
CLBS3032	1B SE	CTL-III	CTL-III-2-SV4/S7	212	1.50	11.8				2.00	15.7		
CLBS2033	1B SE	CTL-III	CTL-III-2-SV4/S7	1404	1.50	78.0				2.00	104.0		
CLBS1057	1B SE	CTL-III	CTL-III-2-SV4/S7	2011	2.00	149.0				2.50	186.2		
CLBS2061	1B SE	CTL-III	CTL-III-2-SV4/S7	1912	2.00	141.6				2.50	177.0		
CLBS1058	1B SE	CTL-III	CTL-III-2-SV4/S7	944	2.00	69.9				2.50	87.4		
CLBS1150	1B SE	CTL-III	CTL-III-2-SV4/S7	1534	7.70	437.4				8.20	465.8		
CLBS2057	1B SE	CTL-III	CTL-III-2-SV5/S9	1157	1.50	64.3	2046.3	268.5		2.00	85.7	306.4	
CLBS1142	1B SE	CTL-III	CTL-III-2-SV5/S9	889	6.20	204.2				6.70	220.7		
CLBS1043	1B SE	CTL-III	CTL-III-2-SV6/S12	2873	2.00	212.8				2.50	266.0		
CLBS1209	1B SE	CTL-III	CTL-III-2-SV6/S12	772	2.50	71.5	6423.8	438.7		3.00	85.8	557.6	
CLBS2028	1B SE	CTL-III	CTL-III-2-SV6/S12	2779	1.50	154.4				2.00	205.8		
CLBS38	1B SE	CTL-III	CTL-III-2-SV7/S14	627	14.00	325.0				14.50	336.6		
CLBS85	1B SE	CTL-III	CTL-III-2-SV7/S14	497	12.00	220.8				12.50	230.0		
CLBS22	1B SE	CTL-III	CTL-III-2-SV7/S14	5195	2.50	481.0				3.00	577.2		
CLBS2019	1B SE	CTL-III	CTL-III-2-SV7/S14	4309	1.50	239.4				2.00	319.2		
CLBS2007	1B SE	CTL-III	CTL-III-2-SV7/S14	1778	3.00	197.5				3.50	230.5		
CLBS1233	1B SE	CTL-III	CTL-III-2-SV7/S14	1917	3.00	213.1				3.50	248.6		
CLBS1232	1B SE	CTL-III	CTL-III-2-SV7/S14	8508	3.00	945.4				3.50	1102.9		
CLBS2133	1B SE	CTL-III	CTL-III-2-SV7/S14	1479	10.00	547.6				10.50	575.0		
CLBS2011	1B SE	CTL-III	CTL-III-2-SV7/S14	2235	1.50	124.2				2.00	165.5		
CLBS2113	1B SE	CTL-III	CTL-III-2-SV7/S14	3688	2.50	341.5				3.00	409.8		
CLSS05	1B SE	CTL-III	CTL-III-2-SV7/S14	1234	1.50	68.6				2.00	91.4		
CLBS1237	1B SE	CTL-III	CTL-III-2-SV7/S14	3038	7.00	787.5				7.50	843.8		
CLBS2132	1B SE	CTL-III	CTL-III-2-SV7/S14	2136	1.50	118.7				2.00	158.3		
GMBS2007	1B SE	CTL-III	CTL-III-2-SV7/S14	4105	1.50	228.1				2.00	304.1		
CLBS1125	1B SE	CTL-III	CTL-III-2-SV7/S14	2272	2.00	168.3	78798.5	8855.6		2.50	210.4	10314.9	
CLBS1123	1B SE	CTL-III	CTL-III-2-SV7/S14	1825	9.00	608.2				9.50	642.0		
CLSS06	1B SE	CTL-III	CTL-III-2-SV7/S14	984	1.50	54.7				2.00	72.9		
CLBS04	1B SE	CTL-III	CTL-III-2-SV7/S14	777	1.50	43.2				2.00	57.6		
CLBS32	1B SE	CTL-III	CTL-III-2-SV7/S14	1579	1.50	87.7				2.00	116.9		
CLBS46	1B SE	CTL-III	CTL-III-2-SV7/S14	1037	1.50	57.6				2.00	76.8		
CLBS01	1B SE	CTL-III	CTL-III-2-SV7/S14	1568	1.50	87.1				2.00	116.1		
CLBS1213	1B SE	CTL-III	CTL-III-2-SV7/S14	8292	2.50	767.8				3.00	921.4		
CLBS1124	1B SE	CTL-III	CTL-III-2-SV7/S14	2040	1.50	113.3				2.00	151.1		
CLBS2012	1B SE	CTL-III	CTL-III-2-SV7/S14	5205	2.50	482.0				3.00	578.4		
CLBS2115	1B SE	CTL-III	CTL-III-2-SV7/S14	3605	1.50	200.3				2.00	267.1		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CLBS2032	1B SE	CTL-III	CTL-III-2-SV7/S14	2458	7.00	637.3				7.50	682.9		
CLBS2114	1B SE	CTL-III	CTL-III-2-SV7/S14	1683	2.50	155.8				3.00	186.9		
CLBS1212	1B SE	CTL-III	CTL-III-2-SV7/S14	864	2.50	80.0				3.00	96.0		
CLBS1234	1B SE	CTL-III	CTL-III-2-SV7/S14	3560	3.00	395.6				3.50	461.5		
CLBS1015	1B SE	CTL-III	CTL-III-2-SV7/S14	302	7.00	78.4				7.50	84.0		
PPBS1033	1B SE	Perim Pond	PP-2-S1	4577	2.00	339.0				2.50	423.8		
PPSS01	1B SE	Perim Pond	PP-2-S1	2489	1.50	138.3				2.00	184.4		
PPBS1037	1B SE	Perim Pond	PP-2-S1	2668	7.00	691.8				7.50	741.2		
PPBS2030	1B SE	Perim Pond	PP-2-S1	2262	3.00	251.3				3.50	293.2		
PPBS0004	1B SE	Perim Pond	PP-2-S1	1690	4.00	250.3				4.50	281.6		
PPSS03	1B SE	Perim Pond	PP-2-S1	4172	1.50	231.8				2.00	309.0		
PPBS1010	1B SE	Perim Pond	PP-2-S1	4104	7.00	1064.1	33474.1	4037.4		7.50	1140.1	4657.2	
PPBS1012	1B SE	Perim Pond	PP-2-S1	2342	2.00	173.5				2.50	216.9		
PPBS2004	1B SE	Perim Pond	PP-2-S1	1130	1.50	62.8				2.00	83.7		
PPBS2031	1B SE	Perim Pond	PP-2-S1	697	1.50	38.7				2.00	51.6		
PPBS1049	1B SE	Perim Pond	PP-2-S1	1429	1.50	79.4				2.00	105.9		
PPBS0005	1B SE	Perim Pond	PP-2-S1	1516	6.00	336.8				6.50	364.9		
PPBS1002	1B SE	Perim Pond	PP-2-S1	2946	2.00	218.2			4543.6	2.50	272.8		5244.4
PPBS02	1B SE	Perim Pond	PP-2-S1	1452	3.00	161.3				3.50	188.2		
PPBS1014	1B SE	Perim Pond	PP-2-S2	838	2.00	62.1				2.50	77.6		
PPBS1017	1B SE	Perim Pond	PP-2-S2	584	4.00	86.6				4.50	97.4		
PPTS07	1B SE	Perim Pond	PP-2-S2	620	4.00	91.9				4.50	103.3		
PPBS1015	1B SE	Perim Pond	PP-2-S2	234	2.00	17.3	4044.1	487.0		2.50	21.7	561.9	
PPBS1016	1B SE	Perim Pond	PP-2-S2	361	7.00	93.6				7.50	100.2		
PPTS03	1B SE	Perim Pond	PP-2-S2	282	5.00	52.3				5.50	57.5		
PPBS3001	1B SE	Perim Pond	PP-2-S2	1124	2.00	83.3				2.50	104.1		
PPBS3003	1B SE	Perim Pond	PP-2-S3	120	1.50	6.7	119.8	6.7		2.00	8.9	8.9	
PPBS2012	1B SE	Perim Pond	PP-2-S4	136	1.50	7.6	136.1	7.6		2.00	10.1	10.1	
PPBS1009	1B SE	Perim Pond	PP-2-S6	68	2.00	5.0	68.0	5.0		2.50	6.3	6.3	
TTBS1009	1B SW	AIBP	AIBP-2-S1	855	1.50	47.5				2.00	63.3		
SB_TTF_DR2	1B SW	AIBP	AIBP-2-S1	99	1.50	5.5				2.00	7.3		
TTBS1020	1B SW	AIBP	AIBP-2-S1	1117	4.00	165.5				4.50	186.2		
TTBS2033	1B SW	AIBP	AIBP-2-S1	1210	2.50	112.0				3.00	134.5		
TTBS1001	1B SW	AIBP	AIBP-2-S1	1217	1.50	67.6				2.00	90.2		
TTBS1004	1B SW	AIBP	AIBP-2-S1	559	1.50	31.0				2.00	41.4		
TTBS1255	1B SW	AIBP	AIBP-2-S1	1839	5.00	340.5				5.50	374.6		
TTSS05	1B SW	AIBP	AIBP-2-S1	818	1.05	31.8				1.55	47.0		
TTBS1258	1B SW	AIBP	AIBP-2-S1	2303	6.00	511.8				6.50	554.4		
TTBS1003	1B SW	AIBP	AIBP-2-S1	462	2.00	34.2				2.50	42.8		
SB_TTF-5	1B SW	AIBP	AIBP-2-S1	316	1.50	17.6				2.00	23.4		
TTBS1006	1B SW	AIBP	AIBP-2-S1	252	5.00	46.7				5.50	51.4		
TTBS32	1B SW	AIBP	AIBP-2-S1	260	1.50	14.5				2.00	19.3		

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TTBS1021	1B SW	AIBP	AIBP-2-S1	1246	8.00	369.1				8.50	392.2		
TTBS1016	1B SW	AIBP	AIBP-2-S1	1776	5.50	361.8				6.00	394.7		
TTBS31	1B SW	AIBP	AIBP-2-S1	673	1.50	37.4				2.00	49.9		
TTBS1010	1B SW	AIBP	AIBP-2-S1	1003	1.50	55.7				2.00	74.3		
TTBS08	1B SW	AIBP	AIBP-2-S1	1272	1.42	66.9				1.92	90.4		
TTBS2041	1B SW	AIBP	AIBP-2-S1	730	1.50	40.5				2.00	54.1		
TTBS2210	1B SW	AIBP	AIBP-2-S1	132	7.50	36.7				8.00	39.2		
SB_TTFD-03	1B SW	AIBP	AIBP-2-S1	34	1.50	1.9				2.00	2.5		
TTBS79	1B SW	AIBP	AIBP-2-S1	24	1.50	1.3				2.00	1.8		
TTTS1001	1B SW	AIBP	AIBP-2-S1	18	1.50	1.0				2.00	1.3		
TTTS1000	1B SW	AIBP	AIBP-2-S1	55	4.75	9.7				5.25	10.7		
TTBS1019	1B SW	AIBP	AIBP-2-S1	257	5.00	47.6	25716.4	3322.3		5.50	52.3	3798.5	
SB_TTF-4	1B SW	AIBP	AIBP-2-S1	48	3.50	6.3				4.00	7.2		
TTBS80	1B SW	AIBP	AIBP-2-S1	24	1.50	1.3				2.00	1.8		
SB_TTF_DR1	1B SW	AIBP	AIBP-2-S1	91	1.50	5.0				2.00	6.7		
SB_TTF_DR4	1B SW	AIBP	AIBP-2-S1	40	1.50	2.2				2.00	2.9		
SB_TTFD-01	1B SW	AIBP	AIBP-2-S1	62	1.50	3.4				2.00	4.6		
SB_TTFD-02	1B SW	AIBP	AIBP-2-S1	271	1.50	15.1				2.00	20.1		
SB_TTFD-04	1B SW	AIBP	AIBP-2-S1	87	1.50	4.8				2.00	6.4		
TTBS1011	1B SW	AIBP	AIBP-2-S1	721	1.50	40.1				2.00	53.4		
TTBS78	1B SW	AIBP	AIBP-2-S1	723	1.50	40.2				2.00	53.5		
TTBS77	1B SW	AIBP	AIBP-2-S1	442	1.50	24.6				2.00	32.8		
TTBS1014	1B SW	AIBP	AIBP-2-S1	230	4.00	34.1				4.50	38.3		
TR_TTF_0229-6	1B SW	AIBP	AIBP-2-S1	56	2.00	4.2				2.50	5.2		
SB_TTF-3	1B SW	AIBP	AIBP-2-S1	110	1.50	6.1				2.00	8.2		
SB_TTF-2	1B SW	AIBP	AIBP-2-S1	187	1.50	10.4				2.00	13.8		
TTBS1002	1B SW	AIBP	AIBP-2-S1	361	9.00	120.4				9.50	127.1		
TTBS1017	1B SW	AIBP	AIBP-2-S1	1117	7.00	289.7				7.50	310.3		
TTBS1015	1B SW	AIBP	AIBP-2-S1	257	6.00	57.2				6.50	62.0		
TTBS1000	1B SW	AIBP	AIBP-2-S1	1208	1.50	67.1				2.00	89.5		
TTTS1003	1B SW	AIBP	AIBP-2-S1	135	6.00	30.1				6.50	32.6		
TTTS1002	1B SW	AIBP	AIBP-2-S1	143	1.50	8.0				2.00	10.6		
TTBS1007	1B SW	AIBP	AIBP-2-S1	214	3.50	27.7				4.00	31.7		
SB_TTF-1	1B SW	AIBP	AIBP-2-S1	324	1.50	18.0				2.00	24.0		
TTBS1013	1B SW	AIBP	AIBP-2-S1	262	3.20	31.0				3.70	35.9		
TTBS1012	1B SW	AIBP	AIBP-2-S1	75	7.00	19.5				7.50	20.9		
TTBS1073	1B SW	AIBP	AIBP-2-S10	950	10.00	351.8				10.50	369.4		
SB_TTF-32	1B SW	AIBP	AIBP-2-S10	290	13.50	145.1				14.00	150.5		
TTBS1184	1B SW	AIBP	AIBP-2-S10	867	1.50	48.2				2.00	64.2		
SB_TTF-33	1B SW	AIBP	AIBP-2-S10	56	5.50	11.5				6.00	12.5		
TTBS1074	1B SW	AIBP	AIBP-2-S10	1119	1.50	62.2				2.00	82.9		
SB_TTF-20	1B SW	AIBP	AIBP-2-S10	475	1.50	26.4				2.00	35.2		

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SB_TTF-18	1B SW	AIBP	AIBP-2-S10	595	1.50	33.0				2.00	44.0		
TTBS1050	1B SW	AIBP	AIBP-2-S10	480	1.50	26.7				2.00	35.6		
TTBS1061	1B SW	AIBP	AIBP-2-S10	1958	1.50	108.8				2.00	145.0		
TTBS1060	1B SW	AIBP	AIBP-2-S10	2919	3.00	324.4				3.50	378.4		
TTBS1075	1B SW	AIBP	AIBP-2-S10	1997	12.00	887.4				12.50	924.3		
TTBS1077	1B SW	AIBP	AIBP-2-S10	531	1.50	29.5				2.00	39.3		
TTBS1076	1B SW	AIBP	AIBP-2-S10	653	1.50	36.3	16638.8	2496.6		2.00	48.4	2804.7	
TTBS1247	1B SW	AIBP	AIBP-2-S10	260	3.50	33.7				4.00	38.5		
TTLS24	1B SW	AIBP	AIBP-2-S10	40	2.00	3.0				2.50	3.7		
SB_TTF-31	1B SW	AIBP	AIBP-2-S10	160	1.50	8.9				2.00	11.8		
TTTS1009	1B SW	AIBP	AIBP-2-S10	117	1.50	6.5				2.00	8.7		
SB_TTF-38	1B SW	AIBP	AIBP-2-S10	226	1.50	12.5				2.00	16.7		
SB_TTF-37	1B SW	AIBP	AIBP-2-S10	265	1.50	14.7				2.00	19.6		
SB_TTF-36	1B SW	AIBP	AIBP-2-S10	136	1.50	7.6				2.00	10.1		
SB_TTF-35	1B SW	AIBP	AIBP-2-S10	104	1.50	5.8				2.00	7.7		
SB_TTF-34	1B SW	AIBP	AIBP-2-S10	12	1.50	0.7				2.00	0.9		
TTBS1051	1B SW	AIBP	AIBP-2-S10	480	6.50	115.6				7.00	124.5		
TTBS1248	1B SW	AIBP	AIBP-2-S10	732	3.50	95.0				4.00	108.5		
SB_TTF-19	1B SW	AIBP	AIBP-2-S10	230	5.50	46.9				6.00	51.1		
SB_TTF-12	1B SW	AIBP	AIBP-2-S10	986	1.50	54.8				2.00	73.0		
TTBS1270	1B SW	AIBP	AIBP-2-S14	373	6.00	82.8				6.50	89.7		
CTBS3023	1B SW	AIBP	AIBP-2-S14	822	1.50	45.7	2799.5	646.7		2.00	60.9	698.5	
TTBS2084	1B SW	AIBP	AIBP-2-S14	995	11.00	405.3				11.50	423.7		
TTBS1129	1B SW	AIBP	AIBP-2-S14	610	5.00	112.9				5.50	124.2		
SWBS1007	1B SW	AIBP	AIBP-2-S15a	146	2.00	10.8	270.4	17.7		2.50	13.5	22.7	
TTBS1119	1B SW	AIBP	AIBP-2-S15a	125	1.50	6.9				2.00	9.3		
TTBS1068	1B SW	AIBP	AIBP-2-S16a	995	1.50	55.3	1218.7	74.3		2.00	73.7	96.9	
TTBS2008	1B SW	AIBP	AIBP-2-S16a	224	2.30	19.1				2.80	23.2		
TTBS1118	1B SW	AIBP	AIBP-2-S17	153	1.50	8.5	153.5	8.5		2.00	11.4	11.4	
TTBS1124	1B SW	AIBP	AIBP-2-S18a	503	6.00	111.9				6.50	121.2		
TTBS1267	1B SW	AIBP	AIBP-2-S18a	701	6.00	155.8				6.50	168.8		
TTBS1131	1B SW	AIBP	AIBP-2-S18a	1006	1.50	55.9				2.00	74.5		
TTBS1127	1B SW	AIBP	AIBP-2-S18a	1736	4.00	257.2				4.50	289.4		
TTBS1126	1B SW	AIBP	AIBP-2-S18a	1367	5.00	253.2				5.50	278.5		
TTTS1033	1B SW	AIBP	AIBP-2-S18a	835	1.50	46.4				2.00	61.8		
TTTS1035	1B SW	AIBP	AIBP-2-S18a	1220	1.50	67.8				2.00	90.4		
TTTS1030	1B SW	AIBP	AIBP-2-S18a	1436	1.50	79.8				2.00	106.4		
TTBS1161	1B SW	AIBP	AIBP-2-S18a	1180	1.50	65.5				2.00	87.4		
TTTS1031	1B SW	AIBP	AIBP-2-S18a	840	5.50	171.1				6.00	186.6		
TTBS1162	1B SW	AIBP	AIBP-2-S18a	1146	3.80	161.3	23373.0	2422.1		4.30	182.5	2855.0	
TTBS1192	1B SW	AIBP	AIBP-2-S18a	1363	2.00	101.0				2.50	126.2		
TTTS1034	1B SW	AIBP	AIBP-2-S18a	1094	4.00	162.1				4.50	182.4		

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TTTS1036	1B SW	AIBP	AIBP-2-S18a	851	1.50	47.3				2.00	63.0		
TTTS1032	1B SW	AIBP	AIBP-2-S18a	195	3.00	21.6				3.50	25.2		
TTBS1125	1B SW	AIBP	AIBP-2-S18a	987	1.50	54.9				2.00	73.1		
TTBS2242	1B SW	AIBP	AIBP-2-S18a	1399	2.00	103.6				2.50	129.5		
TTBS1135	1B SW	AIBP	AIBP-2-S18a	2228	1.50	123.8				2.00	165.0		
TTBS2079	1B SW	AIBP	AIBP-2-S18a	449	2.50	41.5				3.00	49.8		
TTBS1130	1B SW	AIBP	AIBP-2-S18a	1467	3.00	163.0				3.50	190.1		
TTTS1037	1B SW	AIBP	AIBP-2-S18a	1370	3.50	177.6				4.00	203.0		
SB_TTF-11	1B SW	AIBP	AIBP-2-S19	497	1.50	27.6	496.5	27.6		2.00	36.8	36.8	
TTBS1120	1B SW	AIBP	AIBP-2-S2	698	1.50	38.8	1043.1	57.9		2.00	51.7	77.3	
TTBS2239	1B SW	AIBP	AIBP-2-S2	345	1.50	19.2				2.00	25.6		
CTBS1017	1B SW	AIBP	AIBP-2-S20	593	2.00	43.9	592.6	43.9		2.50	54.9	54.9	
TTBS2076	1B SW	AIBP	AIBP-2-S22	690	1.50	38.3	689.5	38.3		2.00	51.1	51.1	
TTBS2061	1B SW	AIBP	AIBP-2-S23	2373	1.50	131.8	9281.8	882.0		2.00	175.8	1053.9	
TTBS1262	1B SW	AIBP	AIBP-2-S23	2323	2.50	215.1				3.00	258.1		
TTBS1193	1B SW	AIBP	AIBP-2-S23	2301	3.30	281.2				3.80	323.8		
TTBS1261	1B SW	AIBP	AIBP-2-S23	2286	3.00	253.9				3.50	296.3		
TTBS1170	1B SW	AIBP	AIBP-2-S24	184	1.50	10.2	388.8	30.8		2.00	13.6	38.0	
TTBS1172	1B SW	AIBP	AIBP-2-S24	83	4.50	13.8				5.00	15.3		
TTBS1171	1B SW	AIBP	AIBP-2-S24	123	1.50	6.8				2.00	9.1		
TTBS10	1B SW	AIBP	AIBP-2-S25	1991	1.42	104.7	28050.7	3149.1	21873.0	1.92	141.5	3668.5	25033.4
SB_TTF-6	1B SW	AIBP	AIBP-2-S25	2531	1.50	140.6				2.00	187.4		
TTBS2047	1B SW	AIBP	AIBP-2-S25	1816	1.50	100.9				2.00	134.5		
TTBS2027	1B SW	AIBP	AIBP-2-S25	2822	1.50	156.8				2.00	209.1		
TTBS1188	1B SW	AIBP	AIBP-2-S25	1286	7.60	362.1				8.10	385.9		
TTBS2203	1B SW	AIBP	AIBP-2-S25	1114	7.00	288.9				7.50	309.5		
TTTS1023	1B SW	AIBP	AIBP-2-S25	2319	8.00	687.2				8.50	730.1		
TTTS1021	1B SW	AIBP	AIBP-2-S25	1146	6.00	254.6				6.50	275.8		
TTBS1189	1B SW	AIBP	AIBP-2-S25	496	1.50	27.6				2.00	36.8		
TTTS1026	1B SW	AIBP	AIBP-2-S25	1318	1.50	73.2				2.00	97.6		
SB_TTF-7	1B SW	AIBP	AIBP-2-S25	457	1.50	25.4				2.00	33.9		
TTTS1020	1B SW	AIBP	AIBP-2-S25	974	4.00	144.3				4.50	162.4		
TTTS1019	1B SW	AIBP	AIBP-2-S25	1557	1.50	86.5				2.00	115.3		
TTBS2026	1B SW	AIBP	AIBP-2-S25	600	1.50	33.3				2.00	44.5		
TTTS1017	1B SW	AIBP	AIBP-2-S25	1465	1.50	81.4				2.00	108.5		
TTTS1018	1B SW	AIBP	AIBP-2-S25	619	1.50	34.4				2.00	45.8		
TTBS11	1B SW	AIBP	AIBP-2-S25	1824	1.42	95.9				1.92	129.7		
TTTS1024	1B SW	AIBP	AIBP-2-S25	1310	1.50	72.8				2.00	97.0		
TTTS1022	1B SW	AIBP	AIBP-2-S25	1080	7.00	280.0				7.50	300.0		
TTBS2206	1B SW	AIBP	AIBP-2-S25	1203	1.50	66.8				2.00	89.1		
TTTS1025	1B SW	AIBP	AIBP-2-S25	122	7.00	31.7				7.50	34.0		
TTBS3017	1B SW	AIBP	AIBP-2-S28	542	1.50	30.1	541.9	30.1		2.00	40.1	40.1	

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TTBS1140	1B SW	AIBP	AIBP-2-S29	986	5.80	211.8	985.8	211.8		6.30	230.0	230.0	
SB_TTF-16	1B SW	AIBP	AIBP-2-S3	775	1.50	43.1	1140.7	60.0		2.00	57.4	81.1	
TTBS1041	1B SW	AIBP	AIBP-2-S3	365	1.25	16.9				1.75	23.7		
TTBS1032	1B SW	AIBP	AIBP-2-S4	911	12.00	404.9				12.50	421.8		
TTBS1035	1B SW	AIBP	AIBP-2-S4	536	10.50	208.3				11.00	218.2		
TTBS2233	1B SW	AIBP	AIBP-2-S4	160	1.50	8.9				2.00	11.9		
TR_TTF_0229-13	1B SW	AIBP	AIBP-2-S4	97	3.00	10.8				3.50	12.6		
TTBS1146	1B SW	AIBP	AIBP-2-S4	1172	1.50	65.1				2.00	86.8		
SB_TTF-10	1B SW	AIBP	AIBP-2-S4	416	1.50	23.1				2.00	30.8		
TTBS1037	1B SW	AIBP	AIBP-2-S4	111	7.00	28.7	6294.0	1648.2		7.50	30.7	1764.8	
TR_TTF_0229-20	1B SW	AIBP	AIBP-2-S4	404	4.00	59.8				4.50	67.3		
TR_TTF_0229-15	1B SW	AIBP	AIBP-2-S4	49	4.00	7.2				4.50	8.1		
SB_TTF-13	1B SW	AIBP	AIBP-2-S4	103	1.50	5.7				2.00	7.6		
TTBS1039	1B SW	AIBP	AIBP-2-S4	918	6.90	234.7				7.40	251.7		
TTBS1036	1B SW	AIBP	AIBP-2-S4	292	8.40	90.9				8.90	96.3		
TTBS1031	1B SW	AIBP	AIBP-2-S4	1125	12.00	500.2				12.50	521.0		
TTBS1029	1B SW	AIBP	AIBP-2-S5	162	9.00	54.1				9.50	57.1		
SB_TTF-9	1B SW	AIBP	AIBP-2-S5	230	1.50	12.8	659.4	136.1		2.00	17.0	148.3	
TTBS1028	1B SW	AIBP	AIBP-2-S5	267	7.00	69.3				7.50	74.2		
SB_TTF-8	1B SW	AIBP	AIBP-2-S6	826	1.50	45.9				2.00	61.2		
SB_TTF_RR-8	1B SW	AIBP	AIBP-2-S6	565	1.50	31.4				2.00	41.9		
TTTS1007	1B SW	AIBP	AIBP-2-S6	583	1.50	32.4	3435.1	385.1		2.00	43.2	448.7	
TTBS1027	1B SW	AIBP	AIBP-2-S6	469	9.00	156.4				9.50	165.1		
TTTS1004	1B SW	AIBP	AIBP-2-S6	690	4.00	102.2				4.50	115.0		
TTBS45	1B SW	AIBP	AIBP-2-S6	302	1.50	16.8				2.00	22.4		
TTBS1151	1B SW	AIBP	AIBP-2-S7	462	4.00	68.4				4.50	77.0		
TTBS1088	1B SW	AIBP	AIBP-2-S7	588	1.50	32.7				2.00	43.6		
TTBS1150	1B SW	AIBP	AIBP-2-S7	512	3.50	66.3				4.00	75.8		
SB_TTF-30	1B SW	AIBP	AIBP-2-S7	572	1.50	31.8	3272.7	419.1		2.00	42.4	479.7	
TTBS1086	1B SW	AIBP	AIBP-2-S7	301	1.50	16.7				2.00	22.3		
TTBS70	1B SW	AIBP	AIBP-2-S7	153	4.50	25.6				5.00	28.4		
PPBS2028	1B SW	AIBP	AIBP-2-S7	685	7.00	177.7				7.50	190.3		
SB_TTF-14	1B SW	AIBP	AIBP-2-S8	314	1.50	17.5				2.00	23.3		
SB_TTF-15	1B SW	AIBP	AIBP-2-S8	276	1.50	15.4	688.9	60.4		2.00	20.5	73.2	
TTBS1034	1B SW	AIBP	AIBP-2-S8	98	7.60	27.6				8.10	29.4		
TTTS1011	1B SW	AIBP	AIBP-2-S9	501	20.50	380.1				21.00	389.4		
TTBS1148	1B SW	AIBP	AIBP-2-S9	699	0.00	0.0				0.50	12.9		
TTTS1043	1B SW	AIBP	AIBP-2-S9	308	17.50	199.7				18.00	205.4		
TTBS1180A	1B SW	AIBP	AIBP-2-S9	663	6.00	147.4				6.50	159.7		
TTTS1044	1B SW	AIBP	AIBP-2-S9	580	9.50	203.9				10.00	214.6		
TTBS1045	1B SW	AIBP	AIBP-2-S9	460	5.00	85.3				5.50	93.8		
TTBS1038	1B SW	AIBP	AIBP-2-S9	355	9.50	124.7				10.00	131.3		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
TTBS1103	1B SW	AIBP	AIBP-2-S9	400	7.00	103.8				7.50	111.2		
TTBS1159	1B SW	AIBP	AIBP-2-S9	542	2.00	40.2				2.50	50.2		
TTTS1039	1B SW	AIBP	AIBP-2-S9	1917	5.00	355.1				5.50	390.6		
TTBS1098	1B SW	AIBP	AIBP-2-S9	1039	4.80	184.7				5.30	204.0		
TR_TTF_0229-9	1B SW	AIBP	AIBP-2-S9	1130	2.00	83.7				2.50	104.6		
SB_TTF-40	1B SW	AIBP	AIBP-2-S9	260	3.50	33.7				4.00	38.6		
TTBS22	1B SW	AIBP	AIBP-2-S9	248	1.50	13.8				2.00	18.4		
TTBS17	1B SW	AIBP	AIBP-2-S9	925	1.50	51.4				2.00	68.5		
TTBS1043	1B SW	AIBP	AIBP-2-S9	338	5.00	62.6				5.50	68.9		
TTBS1149	1B SW	AIBP	AIBP-2-S9	635	3.75	88.2				4.25	100.0		
TTTS1016	1B SW	AIBP	AIBP-2-S9	201	1.50	11.1				2.00	14.9		
TTBS1100	1B SW	AIBP	AIBP-2-S9	449	5.00	83.1				5.50	91.4		
TTBS1101	1B SW	AIBP	AIBP-2-S9	952	1.50	52.9				2.00	70.5		
TTBS1102	1B SW	AIBP	AIBP-2-S9	626	5.50	127.6				6.00	139.2		
TTBS67	1B SW	AIBP	AIBP-2-S9	254	1.50	14.1				2.00	18.8		
SB_TTF-44	1B SW	AIBP	AIBP-2-S9	401	1.50	22.3				2.00	29.7		
SB_TTF-43	1B SW	AIBP	AIBP-2-S9	688	1.50	38.2				2.00	51.0		
SB_TTF-17	1B SW	AIBP	AIBP-2-S9	322	1.50	17.9				2.00	23.8		
SB_TTF-39	1B SW	AIBP	AIBP-2-S9	582	1.50	32.3				2.00	43.1		
SB_TTF-22	1B SW	AIBP	AIBP-2-S9	572	1.50	31.8				2.00	42.4		
TTBS2241	1B SW	AIBP	AIBP-2-S9	320	11.00	130.4				11.50	136.4		
TTBS2018	1B SW	AIBP	AIBP-2-S9	1268	1.50	70.4				2.00	93.9		
TTBS15	1B SW	AIBP	AIBP-2-S9	1705	1.05	66.3				1.55	97.9		
SB_TTF-26	1B SW	AIBP	AIBP-2-S9	285	1.50	15.8				2.00	21.1		
TTBS23	1B SW	AIBP	AIBP-2-S9	554	1.50	30.8				2.00	41.0		
TTBS53	1B SW	AIBP	AIBP-2-S9	467	1.50	26.0				2.00	34.6		
TTBS1109	1B SW	AIBP	AIBP-2-S9	877	8.00	259.8				8.50	276.1		
TTBS52	1B SW	AIBP	AIBP-2-S9	1063	1.50	59.0				2.00	78.7		
TTBS2240	1B SW	AIBP	AIBP-2-S9	588	11.00	239.4				11.50	250.2		
TTBS2017	1B SW	AIBP	AIBP-2-S9	2736	1.50	152.0				2.00	202.6		
TTBS1057	1B SW	AIBP	AIBP-2-S9	558	11.00	227.3	42931.2	5704.3		11.50	237.7	6499.3	
TTBS49	1B SW	AIBP	AIBP-2-S9	861	1.50	47.9				2.00	63.8		
TTBS1056	1B SW	AIBP	AIBP-2-S9	572	1.50	31.8				2.00	42.4		
TTTS1040	1B SW	AIBP	AIBP-2-S9	1177	1.50	65.4				2.00	87.2		
TTBS1083	1B SW	AIBP	AIBP-2-S9	265	5.00	49.1				5.50	54.0		
TTBS66	1B SW	AIBP	AIBP-2-S9	329	1.50	18.3				2.00	24.4		
TTTS1015	1B SW	AIBP	AIBP-2-S9	323	4.00	47.9				4.50	53.8		
TTBS1099	1B SW	AIBP	AIBP-2-S9	304	2.00	22.5				2.50	28.1		
SB_TTF-28	1B SW	AIBP	AIBP-2-S9	81	5.50	16.4				6.00	17.9		
TTBS85	1B SW	AIBP	AIBP-2-S9	85	4.50	14.2				5.00	15.8		
TTBS35	1B SW	AIBP	AIBP-2-S9	191	1.50	10.6				2.00	14.1		
TR_TTF_0229-1	1B SW	AIBP	AIBP-2-S9	151	2.00	11.2				2.50	13.9		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
TTTS1014	1B SW	AIBP	AIBP-2-S9	535	3.50	69.3				4.00	79.2		
TTTS1012	1B SW	AIBP	AIBP-2-S9	243	5.00	45.0				5.50	49.5		
TTBS2235	1B SW	AIBP	AIBP-2-S9	378	5.50	77.0				6.00	84.0		
TTBS1179	1B SW	AIBP	AIBP-2-S9	509	7.00	132.0				7.50	141.4		
TTBS1085	1B SW	AIBP	AIBP-2-S9	408	8.00	120.8				8.50	128.4		
TTBS1084	1B SW	AIBP	AIBP-2-S9	289	1.50	16.0				2.00	21.4		
SB_TTF-42	1B SW	AIBP	AIBP-2-S9	350	1.50	19.5				2.00	26.0		
TTBS1081	1B SW	AIBP	AIBP-2-S9	274	4.80	48.7				5.30	53.8		
SB_TTF-41	1B SW	AIBP	AIBP-2-S9	334	1.50	18.6				2.00	24.8		
TTBS1110	1B SW	AIBP	AIBP-2-S9	625	1.50	34.7				2.00	46.3		
TTTS1010	1B SW	AIBP	AIBP-2-S9	467	1.50	25.9				2.00	34.6		
SB_TTF-25	1B SW	AIBP	AIBP-2-S9	288	1.50	16.0				2.00	21.3		
TTBS1091	1B SW	AIBP	AIBP-2-S9	531	1.50	29.5				2.00	39.3		
SB_TTF-27	1B SW	AIBP	AIBP-2-S9	669	1.50	37.1				2.00	49.5		
TTBS1094	1B SW	AIBP	AIBP-2-S9	610	1.50	33.9				2.00	45.2		
SB_TTF-24	1B SW	AIBP	AIBP-2-S9	259	1.50	14.4				2.00	19.2		
TTBS1095	1B SW	AIBP	AIBP-2-S9	187	9.00	62.5				9.50	65.9		
TTBS1055	1B SW	AIBP	AIBP-2-S9	1102	1.50	61.2				2.00	81.7		
TTBS1096	1B SW	AIBP	AIBP-2-S9	326	6.00	72.5				6.50	78.5		
TTBS1097	1B SW	AIBP	AIBP-2-S9	347	10.00	128.5				10.50	134.9		
TTTS1038	1B SW	AIBP	AIBP-2-S9	928	1.50	51.5				2.00	68.7		
SB_TTF-23	1B SW	AIBP	AIBP-2-S9	469	1.50	26.1				2.00	34.8		
TTTS1041	1B SW	AIBP	AIBP-2-S9	669	1.50	37.2				2.00	49.6		
TTBS1092	1B SW	AIBP	AIBP-2-S9	535	8.30	164.4				8.80	174.3		
TTTS1013	1B SW	AIBP	AIBP-2-S9	370	4.00	54.8				4.50	61.7		
TTBS1040	1B SW	AIBP	AIBP-2-S9	312	5.00	57.8				5.50	63.5		
TTBS1090	1B SW	AIBP	AIBP-2-S9	111	11.50	47.3				12.00	49.3		
CTBS16	1B SW	CTL-V	CTL-V-2-S1	1017	1.50	56.5	2248.8	124.9		2.00	75.4	166.6	
CTBS18	1B SW	CTL-V	CTL-V-2-S1	1231	1.50	68.4				2.00	91.2		
CTBS07	1B SW	CTL-V	CTL-V-2-S10	1904	1.50	105.8	6972.9	395.5		2.00	141.0	524.7	
CTBS05	1B SW	CTL-V	CTL-V-2-S10	1626	1.50	90.3				2.00	120.4		
CTBS1121	1B SW	CTL-V	CTL-V-2-S10	1896	1.50	105.3				2.00	140.4		
CTBS1038	1B SW	CTL-V	CTL-V-2-S10	691	2.00	51.2				2.50	64.0		
CTSS02	1B SW	CTL-V	CTL-V-2-S10	251	1.00	9.3				1.50	14.0		
CTBS2043	1B SW	CTL-V	CTL-V-2-S10	606	1.50	33.6				2.00	44.9		
CTBS2046	1B SW	CTL-V	CTL-V-2-S11	329	1.50	18.3	329.2	18.3		2.00	24.4	24.4	
CTBS3029	1B SW	CTL-V	CTL-V-2-S12	2699	7.00	699.8	2699.2	699.8		7.50	749.8	749.8	
CTBS1019	1B SW	CTL-V	CTL-V-2-S13	566	2.00	41.9	5428.2	969.9		2.50	52.4	1070.4	
CTBS1020A	1B SW	CTL-V	CTL-V-2-S13	344	7.00	89.1				7.50	95.5		
CTBS2011	1B SW	CTL-V	CTL-V-2-S13	928	1.50	51.6				2.00	68.7		
CTBS2067	1B SW	CTL-V	CTL-V-2-S13	954	7.00	247.3				7.50	265.0		
CTBS2097	1B SW	CTL-V	CTL-V-2-S13	585	1.50	32.5				2.00	43.3		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CTBS2063	1B SW	CTL-V	CTL-V-2-S13	773	7.00	200.4				7.50	214.7		
CTBS2120	1B SW	CTL-V	CTL-V-2-S13	482	2.50	44.6				3.00	53.5		
CTBS2066	1B SW	CTL-V	CTL-V-2-S13	600	11.00	244.3				11.50	255.4		
CTBS1139	1B SW	CTL-V	CTL-V-2-S13	197	2.50	18.3				3.00	21.9		
CTBS08	1B SW	CTL-V	CTL-V-2-S14	108	1.50	6.0	211.6	13.7		2.00	8.0	17.6	
CTBS1012	1B SW	CTL-V	CTL-V-2-S14	103	2.00	7.6				2.50	9.6		
CTBS1103	1B SW	CTL-V	CTL-V-2-S15	1386	2.00	102.6	1385.6	102.6		2.50	128.3	128.3	
CTBS04	1B SW	CTL-V	CTL-V-2-S16a	330	1.50	18.3				2.00	24.5		
CTBS1102	1B SW	CTL-V	CTL-V-2-S16a	377	2.00	27.9	1093.5	67.7		2.50	34.9	88.0	
CTBS2042	1B SW	CTL-V	CTL-V-2-S16a	386	1.50	21.5				2.00	28.6		
CTBS11	1B SW	CTL-V	CTL-V-2-S17	426	1.50	23.6	2189.1	186.9		2.00	31.5	227.5	
CTBS2008	1B SW	CTL-V	CTL-V-2-S17	1764	2.50	163.3				3.00	195.9		
CTBS15	1B SW	CTL-V	CTL-V-2-S18	288	1.50	16.0				2.00	21.3		
CTBS13	1B SW	CTL-V	CTL-V-2-S18	1130	1.50	62.8	2180.7	205.9		2.00	83.7	246.3	
CTBS1156	1B SW	CTL-V	CTL-V-2-S18	763	4.50	127.2				5.00	141.3		
CTBS2111	1B SW	CTL-V	CTL-V-2-S2	587	1.25	27.2	3167.7	127.5		1.75	38.0	186.2	
TTSS07	1B SW	CTL-V	CTL-V-2-S2	2581	1.05	100.4				1.55	148.2		
CTBS1101	1B SW	CTL-V	CTL-V-2-S20	5738	2.00	425.0	9312.7	590.5		2.50	531.3	763.0	
CTBS1100	1B SW	CTL-V	CTL-V-2-S20	3575	1.25	165.5				1.75	231.7		
CTBS2102	1B SW	CTL-V	CTL-V-2-S3	4764	1.50	264.7				2.00	352.9		
CTBS2121	1B SW	CTL-V	CTL-V-2-S3	1747	2.50	161.8				3.00	194.2		
CTBS1153	1B SW	CTL-V	CTL-V-2-S3	953	2.50	88.2	10765.3	1493.3		3.00	105.8	1692.7	
CTBS1148	1B SW	CTL-V	CTL-V-2-S3	690	12.00	306.8				12.50	319.6		
CTTS06	1B SW	CTL-V	CTL-V-2-S3	1722	9.50	606.0				10.00	637.9		
CTBS2087	1B SW	CTL-V	CTL-V-2-S3	889	2.00	65.8				2.50	82.3		
CTBS2022	1B SW	CTL-V	CTL-V-2-S4	182	2.50	16.9				3.00	20.2		
CTBS1040	1B SW	CTL-V	CTL-V-2-S4	301	6.00	66.8	742.1	98.1		6.50	72.4	111.8	
CTBS2021	1B SW	CTL-V	CTL-V-2-S4	259	1.50	14.4				2.00	19.2		
CTBS1037	1B SW	CTL-V	CTL-V-2-S5	1298	2.00	96.2				2.50	120.2		
CTBS1009	1B SW	CTL-V	CTL-V-2-S5	389	2.00	28.8	3261.7	427.0		2.50	36.0	487.5	
CTBS2014	1B SW	CTL-V	CTL-V-2-S5	1058	6.00	235.1				6.50	254.7		
CTBS1141	1B SW	CTL-V	CTL-V-2-S5	516	3.50	66.9			13339.3	4.00	76.5		15617.7
CTBS1018	1B SW	CTL-V	CTL-V-2-S6	1016	2.00	75.3	3064.7	189.1		2.50	94.1	245.8	
CTBS2040	1B SW	CTL-V	CTL-V-2-S6	2049	1.50	113.8				2.00	151.8		
CTBS2106	1B SW	CTL-V	CTL-V-2-S7	1330	2.50	123.2				3.00	147.8		
CTBS2070	1B SW	CTL-V	CTL-V-2-S7	716	1.50	39.8				2.00	53.0		
CTBS1002	1B SW	CTL-V	CTL-V-2-S7	1711	2.00	126.7				2.50	158.4		
CTBS1022	1B SW	CTL-V	CTL-V-2-S7	817	7.00	211.8				7.50	226.9		
CTBS2076	1B SW	CTL-V	CTL-V-2-S7	1168	2.50	108.2				3.00	129.8		
CTBS2098	1B SW	CTL-V	CTL-V-2-S7	1636	1.50	90.9				2.00	121.2		
CTBS1036	1B SW	CTL-V	CTL-V-2-S7	2468	2.00	182.8				2.50	228.5		
CTBS1147	1B SW	CTL-V	CTL-V-2-S7	1278	6.00	284.0				6.50	307.6		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CTBS2099	1B SW	CTL-V	CTL-V-2-S7	1291	5.00	239.1				5.50	263.0		
CTBS2071	1B SW	CTL-V	CTL-V-2-S7	607	1.50	33.7				2.00	45.0		
CTBS2085	1B SW	CTL-V	CTL-V-2-S7	1304	2.50	120.8				3.00	144.9		
CTBS2110	1B SW	CTL-V	CTL-V-2-S7	1009	1.50	56.1				2.00	74.7		
CTBS2095	1B SW	CTL-V	CTL-V-2-S7	679	5.20	130.7				5.70	143.3		
CTBS1005	1B SW	CTL-V	CTL-V-2-S7	1530	2.00	113.3				2.50	141.7		
CTBS02	1B SW	CTL-V	CTL-V-2-S7	472	1.50	26.2				2.00	34.9		
CTBS1138	1B SW	CTL-V	CTL-V-2-S7	681	4.00	100.9				4.50	113.5		
CTBS1137	1B SW	CTL-V	CTL-V-2-S7	1317	4.00	195.1	42432.1	5694.0		4.50	219.5	6479.7	
CTBS3032	1B SW	CTL-V	CTL-V-2-S7	974	4.00	144.3				4.50	162.3		
CTBS1152	1B SW	CTL-V	CTL-V-2-S7	1198	5.00	221.8				5.50	244.0		
CTBS1144	1B SW	CTL-V	CTL-V-2-S7	1350	5.00	250.1				5.50	275.1		
CTBS1000	1B SW	CTL-V	CTL-V-2-S7	609	6.00	135.2				6.50	146.5		
CTBS1027	1B SW	CTL-V	CTL-V-2-S7	1250	5.25	243.1				5.75	266.3		
CTBS2080	1B SW	CTL-V	CTL-V-2-S7	2305	7.00	597.6				7.50	640.3		
CTBS2077	1B SW	CTL-V	CTL-V-2-S7	1153	1.50	64.1				2.00	85.4		
CTBS1001	1B SW	CTL-V	CTL-V-2-S7	1887	2.00	139.8				2.50	174.8		
CTBS1035	1B SW	CTL-V	CTL-V-2-S7	1995	2.00	147.8				2.50	184.8		
CTBS1030	1B SW	CTL-V	CTL-V-2-S7	1232	2.00	91.3				2.50	114.1		
CTBS2073	1B SW	CTL-V	CTL-V-2-S7	1262	1.50	70.1				2.00	93.5		
CTBS2018	1B SW	CTL-V	CTL-V-2-S7	648	2.50	60.0				3.00	72.0		
CTBS2084	1B SW	CTL-V	CTL-V-2-S7	1643	2.50	152.1				3.00	182.6		
CTBS2078	1B SW	CTL-V	CTL-V-2-S7	480	2.50	44.4				3.00	53.3		
CTBS2083	1B SW	CTL-V	CTL-V-2-S7	2284	7.00	592.1				7.50	634.4		
CTBS2082	1B SW	CTL-V	CTL-V-2-S7	2148	7.00	557.0				7.50	596.8		
CTBS2041	1B SW	CTL-V	CTL-V-2-S8a	401	2.50	37.1	401.2	37.1		3.00	44.6	44.6	
CTBS2107	1B SW	CTL-V	CTL-V-2-S9	3080	2.50	285.1				3.00	342.2		
CTBS2051	1B SW	CTL-V	CTL-V-2-S9	2179	1.50	121.1				2.00	161.4		
TTBS3061	1B SW	CTL-V	CTL-V-2-S9	1347	1.20	59.9				1.70	84.8		
CTBS2050	1B SW	CTL-V	CTL-V-2-S9	421	1.50	23.4				2.00	31.2		
CTBS3035	1B SW	CTL-V	CTL-V-2-S9	4113	1.50	228.5	22770.8	1369.3		2.00	304.7	1790.9	
CTBS2052	1B SW	CTL-V	CTL-V-2-S9	2129	1.50	118.3				2.00	157.7		
CTBS1109	1B SW	CTL-V	CTL-V-2-S9	1836	1.50	102.0				2.00	136.0		
TTBS3072	1B SW	CTL-V	CTL-V-2-S9	6106	1.50	339.2				2.00	452.3		
CTBS1014	1B SW	CTL-V	CTL-V-2-S9	643	2.00	47.6				2.50	59.6		
TTBS3071	1B SW	CTL-V	CTL-V-2-S9	917	1.30	44.2				1.80	61.1		
	1B SW	CTL-V	CTL-V-2-SV1	2376	6.00	528.0	2376.0	528.0		6.50	572.0	572.0	
ECBS1003	5/9 North	ECL	ECL-2-S1	1459	6.50	351.3				7.00	378.3		
ECTS06S01	5/9 North	ECL	ECL-2-S1	3285	2.50	304.1				3.00	364.9		
ECBS2025	5/9 North	ECL	ECL-2-S1	798	1.50	44.3				2.00	59.1		
ECBS1030	5/9 North	ECL	ECL-2-S1	315	1.50	17.5				2.00	23.4		
ECBS18	5/9 North	ECL	ECL-2-S1	2476	2.00	183.4				2.50	229.3		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ECBS1001	5/9 North	ECL	ECL-2-S1	1520	5.00	281.4				5.50	309.6		
ECTS03S01	5/9 North	ECL	ECL-2-S1	1480	4.50	246.7				5.00	274.1		
ECTS02S04	5/9 North	ECL	ECL-2-S1	1504	3.00	167.1	20583.5	2148.3		3.50	195.0	2529.4	
ECTS02S02	5/9 North	ECL	ECL-2-S1	565	4.00	83.7				4.50	94.1		
ECTS02S01	5/9 North	ECL	ECL-2-S1	278	2.50	25.7				3.00	30.9		
ECBS2056	5/9 North	ECL	ECL-2-S1	2547	1.50	141.5				2.00	188.7		
ECBS2026	5/9 North	ECL	ECL-2-S1	1151	1.50	63.9				2.00	85.2		
ECSS01	5/9 North	ECL	ECL-2-S1	1597	2.00	118.3				2.50	147.8		
D-5-05	5/9 North	ECL	ECL-2-S1	831	2.00	61.5				2.50	76.9		
D-5-04	5/9 North	ECL	ECL-2-S1	778	2.00	57.7				2.50	72.1		
ECBS1032	5/9 North	ECL	ECL-2-S2	3056	2.00	226.4				2.50	283.0		
ECBS1013	5/9 North	ECL	ECL-2-S2	3591	2.00	266.0				2.50	332.5		
ECBS21	5/9 North	ECL	ECL-2-S2	3365	1.50	186.9				2.00	249.2		
ECBS2036	5/9 North	ECL	ECL-2-S2	1189	5.00	220.2				5.50	242.2		
SB_STE-01	5/9 North	ECL	ECL-2-S2	2056	1.50	114.2				2.00	152.3		
SB_STW-IL	5/9 North	ECL	ECL-2-S2	2190	3.00	243.3				3.50	283.8		
ECBS1007	5/9 North	ECL	ECL-2-S2	1201	2.00	89.0				2.50	111.2		
ECBS1008	5/9 North	ECL	ECL-2-S2	531	2.00	39.3	25518.3	2082.4		2.50	49.2	2554.9	
SB_STS-I3	5/9 North	ECL	ECL-2-S2	1608	3.50	208.5				4.00	238.2		
ECSS02	5/9 North	ECL	ECL-2-S2	915	2.00	67.8			9147.5	2.50	84.7		10786.4
D-5-03	5/9 North	ECL	ECL-2-S2	877	2.00	64.9				2.50	81.2		
D-5-02	5/9 North	ECL	ECL-2-S2	1083	2.00	80.2				2.50	100.3		
ECBS3019	5/9 North	ECL	ECL-2-S2	1343	1.50	74.6				2.00	99.5		
ECTS04	5/9 North	ECL	ECL-2-S2	1711	2.00	126.8				2.50	158.4		
SB_STE-IL	5/9 North	ECL	ECL-2-S2	803	2.50	74.3				3.00	89.2		
ECBS2043	5/9 North	ECL	ECL-2-S3	1121	2.50	103.8				3.00	124.5		
ECBS3027	5/9 North	ECL	ECL-2-S3	2269	1.50	126.0				2.00	168.0		
ECBS22	5/9 North	ECL	ECL-2-S3	1044	1.50	58.0	11427.4	1088.2		2.00	77.4	1299.9	
ECBS2044	5/9 North	ECL	ECL-2-S3	917	7.00	237.8				7.50	254.8		
ECBS2042	5/9 North	ECL	ECL-2-S3	6077	2.50	562.7				3.00	675.2		
ECBS3038	5/9 North	ECL	ECL-2-S4	165	1.50	9.1	164.6	9.1		2.00	12.2	12.2	
	5/9 North	ECL	ECL-2-S5	3993	7.00	1035.1	3992.6	1035.1		7.50	1109.1	1109.1	
ECBS2053	5/9 North	ECL	ECL-2-S6	1243	5.00	230.3				5.50	253.3		
ECBS1031	5/9 North	ECL	ECL-2-S6	2176	2.00	161.2	7399.7	813.6		2.50	201.5	950.6	
ECBS3003	5/9 North	ECL	ECL-2-S6	3436	3.00	381.8				3.50	445.5		
ECBS1035	5/9 North	ECL	ECL-2-S6	544	2.00	40.3				2.50	50.3		
ECBS1009	5/9 North	ECL	ECL-2-S7	897	**2.00**	**66.5**	897.28	66.5		2.50	83.1	83.1	
SNBS1042	5/9 North	ECL	SN-2-S7	1488	6.50	358.3				7.00	385.8		
SNBS2029	5/9 North	ECL	SN-2-S7	4939	1.50	274.4				2.00	365.9		
SNBS2016	5/9 North	ECL	SN-2-S7	3790	1.50	210.6				2.00	280.7		
SNBS3006	5/9 North	ECL	SN-2-S7	2788	1.50	154.9	18517.1	1904.3		2.00	206.5	2247.2	
SNBS1043	5/9 North	ECL	SN-2-S7	570	6.50	137.2				7.00	147.7		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SNBS2027	5/9 North	ECL	SN-2-S7	2185	1.50	121.4				2.00	161.8		
SNBS2025	5/9 North	ECL	SN-2-S7	1851	7.00	479.9				7.50	514.2		
SNBS3005	5/9 North	ECL	SN-2-S7	906	5.00	167.7				5.50	184.5		
D-2-02	5/9 North	Silvernale	SN-2-S1	2912	1.50	161.8				2.00	215.7		
SNBS1005	5/9 North	Silvernale	SN-2-S1	6352	2.00	470.5				2.50	588.1		
SNBS1008	5/9 North	Silvernale	SN-2-S1	4395	2.00	325.6				2.50	406.9		
SNFS01	5/9 North	Silvernale	SN-2-S1	3112	1.50	172.9				2.00	230.5		
SNBS1011	5/9 North	Silvernale	SN-2-S1	4741	2.00	351.2				2.50	439.0		
D-2-01	5/9 North	Silvernale	SN-2-S1	2502	1.50	139.0				2.00	185.3		
SNBS1010	5/9 North	Silvernale	SN-2-S1	5703	2.00	422.5				2.50	528.1		
SNFS02	5/9 North	Silvernale	SN-2-S1	2691	1.50	149.5				2.00	199.3		
SNBS1002	5/9 North	Silvernale	SN-2-S1	4851	2.00	359.3				2.50	449.2		
D-2-03	5/9 North	Silvernale	SN-2-S1	3252	1.50	180.7				2.00	240.9		
SNBS1004	5/9 North	Silvernale	SN-2-S1	4256	2.00	315.3				2.50	394.1		
SNBS1009	5/9 North	Silvernale	SN-2-S1	6241	2.00	462.3	80429.6	6258.0		2.50	577.9	7747.4	
SNBS1003	5/9 North	Silvernale	SN-2-S1	5118	2.00	379.1				2.50	473.9		
SNFS03	5/9 North	Silvernale	SN-2-S1	676	1.50	37.5				2.00	50.1		
SNFS04	5/9 North	Silvernale	SN-2-S1	1938	1.50	107.7				2.00	143.6		
SNSS01	5/9 North	Silvernale	SN-2-S1	1391	1.50	77.3				2.00	103.0		
SNBS20	5/9 North	Silvernale	SN-2-S1	2471	3.00	274.5				3.50	320.3		
SNBS1001	5/9 North	Silvernale	SN-2-S1	4052	2.00	300.2				2.50	375.2		
SNBS1006	5/9 North	Silvernale	SN-2-S1	5457	2.00	404.2				2.50	505.2		
SNBS21	5/9 North	Silvernale	SN-2-S1	2348	3.00	260.8				3.50	304.3		
SNBS2045	5/9 North	Silvernale	SN-2-S1	2376	4.50	396.1				5.00	440.1		
SNBS1007	5/9 North	Silvernale	SN-2-S1	2408	3.50	312.1				4.00	356.7		
SNBS1000	5/9 North	Silvernale	SN-2-S1	1188	4.50	198.0				5.00	220.0		
SNBS09	5/9 North	Silvernale	SN-2-S2	1476	1.50	82.0				2.00	109.3		
SNBS03	5/9 North	Silvernale	SN-2-S2	2921	1.50	162.3				2.00	216.4		
SNBS1025	5/9 North	Silvernale	SN-2-S2	4926	2.00	364.9				2.50	456.1		
SNBS10	5/9 North	Silvernale	SN-2-S2	3434	1.50	190.8				2.00	254.3		
SNBS11	5/9 North	Silvernale	SN-2-S2	3641	5.00	674.3				5.50	741.8		
SNBS2039	5/9 North	Silvernale	SN-2-S2	5575	7.00	1445.2				7.50	1548.5		
SNBS1022	5/9 North	Silvernale	SN-2-S2	1589	2.00	117.7	38342.1	4559.5	15226.8	2.50	147.2	5269.5	17978.5
SNBS1020	5/9 North	Silvernale	SN-2-S2	3017	2.00	223.5				2.50	279.4		
SNBS17	5/9 North	Silvernale	SN-2-S2	2128	4.00	315.2				4.50	354.6		
SNBS1032	5/9 North	Silvernale	SN-2-S2	3616	2.00	267.9				2.50	334.9		
SNBS18	5/9 North	Silvernale	SN-2-S2	2765	2.00	204.8				2.50	256.0		
SNBS2040	5/9 North	Silvernale	SN-2-S2	1633	1.50	90.7				2.00	121.0		
SNBS2049	5/9 North	Silvernale	SN-2-S2	1620	7.00	420.1				7.50	450.1		
SNBS2038	5/9 North	Silvernale	SN-2-S3	396	1.50	22.0				2.00	29.4		
SNBS1036	5/9 North	Silvernale	SN-2-S3	395	1.50	21.9				2.00	29.3		
SNBS2010	5/9 North	Silvernale	SN-2-S3	203	5.00	37.6				5.50	41.3		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SNBS3028	5/9 North	Silvernale	SN-2-S3	250	7.50	69.5	2505.1	221.0		8.00	74.1	267.4	
SNBS2015	5/9 North	Silvernale	SN-2-S3	160	1.50	8.9				2.00	11.8		
SNBS3030	5/9 North	Silvernale	SN-2-S3	153	1.50	8.5				2.00	11.3		
SNBS3029	5/9 North	Silvernale	SN-2-S3	949	1.50	52.7				2.00	70.3		
SNBS1015	5/9 North	Silvernale	SN-2-S4	4266	1.67	263.9				2.17	342.9		
SNBS2006	5/9 North	Silvernale	SN-2-S4	1221	5.00	226.1				5.50	248.7		
SNBS3050	5/9 North	Silvernale	SN-2-S4	1493	4.50	248.8				5.00	276.4		
SNBS3051	5/9 North	Silvernale	SN-2-S4	972	1.50	54.0				2.00	72.0		
SNBS3055	5/9 North	Silvernale	SN-2-S4	3720	7.00	964.4				7.50	1033.3		
SNBS3004	5/9 North	Silvernale	SN-2-S4	3117	7.00	808.2	22837.7	3939.8		7.50	865.9	4362.7	
SNBS1040	5/9 North	Silvernale	SN-2-S4	1778	2.00	131.7				2.50	164.6		
SNBS1039	5/9 North	Silvernale	SN-2-S4	373	2.00	27.6				2.50	34.6		
SNBS1014	5/9 North	Silvernale	SN-2-S4	1541	1.50	85.6				2.00	114.1		
SNBS2028	5/9 North	Silvernale	SN-2-S4	2205	7.00	571.7				7.50	612.6		
SNBS3052	5/9 North	Silvernale	SN-2-S4	2151	7.00	557.8				7.50	597.6		
SNBS3046	5/9 North	Silvernale	SN-2-S5	1141	1.50	63.4				2.00	84.5		
SNBS2012	5/9 North	Silvernale	SN-2-S5	1938	1.50	107.7	4232.6	235.1		2.00	143.6	313.5	
SNBS2007	5/9 North	Silvernale	SN-2-S5	1153	1.50	64.1				2.00	85.4		
SNBS2008	5/9 North	Silvernale	SN-2-S6	101	1.50	5.6				2.00	7.5		
SNBS3015	5/9 North	Silvernale	SN-2-S6	78	1.50	4.3	242.1	13.4		2.00	5.8	17.9	
SNBS3016	5/9 North	Silvernale	SN-2-S6	63	1.50	3.5				2.00	4.6		
UNBS1016	5/9 North	UA of 5/9 N	59N-UA-2-S1	4488	5.00	831.1				5.50	914.2		
UNBS1012	5/9 North	UA of 5/9 N	59N-UA-2-S1	4323	5.00	800.6	12067.1	2234.7	2234.7	5.50	880.7	2458.1	2458.1
UNBS1010	5/9 North	UA of 5/9 N	59N-UA-2-S1	3256	5.00	603.0				5.50	663.2		
CFBS1006	5/9 South	Compound A	CompoundA-2-S1	478	2.00	35.4				2.50	44.3		
CFBS06	5/9 South	Compound A	CompoundA-2-S1	363	1.50	20.2	1226.6	84.1		2.00	26.9	106.8	
CFTS01	5/9 South	Compound A	CompoundA-2-S1	385	2.00	28.5				2.50	35.6		
CFBS1017	5/9 South	Compound A	CompoundA-2-S10	308	2.00	22.8				2.50	28.5		
CFBS10	5/9 South	Compound A	CompoundA-2-S10	222	1.50	12.3				2.00	16.5		
CFBS2001	5/9 South	Compound A	CompoundA-2-S10	186	2.50	17.2				3.00	20.7		
CFBS2018	5/9 South	Compound A	CompoundA-2-S10	322	1.50	17.9				2.00	23.8		
CFSS01	5/9 South	Compound A	CompoundA-2-S10	128	1.50	7.1	1745.5	114.3		2.00	9.5	146.6	
CFBS12	5/9 South	Compound A	CompoundA-2-S10	305	1.50	17.0				2.00	22.6		
D-1-03	5/9 South	Compound A	CompoundA-2-S10	73	2.00	5.4				2.50	6.8		
CFBS11	5/9 South	Compound A	CompoundA-2-S10	111	1.50	6.2				2.00	8.2		
D-1-02	5/9 South	Compound A	CompoundA-2-S10	91	2.50	8.4				3.00	10.1		
	5/9 South	Compound A	CompoundA-2-S11	1340	3.00	148.9	1340.1	148.9		3.50	173.7	173.7	
CFTS02	5/9 South	Compound A	CompoundA-2-S12/SV1	1260	3.50	163.4	1260.1	163.4		4.00	186.7	186.7	
CFBS3059	5/9 South	Compound A	CompoundA-2-S13	827	1.50	45.9				2.00	61.2		
CFBS3058	5/9 South	Compound A	CompoundA-2-S13	373	1.50	20.7	2368.5	131.6		2.00	27.6	175.4	
CFBS3029	5/9 South	Compound A	CompoundA-2-S13	1169	1.50	64.9				2.00	86.6		
P2TS48	5/9 South	Compound A	CompoundA-2-S14	875	3.00	97.3	875.5	97.3		3.50	113.5	113.5	

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CFBS3041	5/9 South	Compound A	CompoundA-2-S15	933	1.50	51.8	932.7	51.8		2.00	69.1	69.1	
CFBS1001	5/9 South	Compound A	CompoundA-2-S16	690	5.00	127.7				5.50	140.5		
CFBS1002	5/9 South	Compound A	CompoundA-2-S16	1251	2.00	92.6	2818.5	448.1		2.50	115.8	500.3	
CFBS1401	5/9 South	Compound A	CompoundA-2-S16	878	7.00	227.7				7.50	244.0		
CFBS2048	5/9 South	Compound A	CompoundA-2-S17	804	7.00	208.4				7.50	223.3		
CFBS1415	5/9 South	Compound A	CompoundA-2-S17	530	2.00	39.2	1514.0	307.8		2.50	49.0	335.8	
CFBS1032	5/9 South	Compound A	CompoundA-2-S17	180	9.00	60.1				9.50	63.4		
CFBS2072	5/9 South	Compound A	CompoundA-2-S18	404	1.50	22.5	404.4	22.5		2.00	30.0	30.0	
CFBS2012	5/9 South	Compound A	CompoundA-2-S19	395	1.50	21.9	395.1	21.9		2.00	29.3	29.3	
CFBS3033	5/9 South	Compound A	CompoundA-2-S2	6692	1.50	371.8				2.00	495.7		
CFBS1013	5/9 South	Compound A	CompoundA-2-S2	2403	2.00	178.0				2.50	222.5		
CFBS3009	5/9 South	Compound A	CompoundA-2-S2	3122	1.50	173.5	22091.2	1436.0	7612.3	2.00	231.3	1845.0	9133.5
CFBS1012	5/9 South	Compound A	CompoundA-2-S2	2233	2.00	165.4				2.50	206.8		
CFBS2014	5/9 South	Compound A	CompoundA-2-S2	3316	2.50	307.0				3.00	368.4		
CFBS3010	5/9 South	STP-3	CompoundA-2-S2	4325	1.50	240.3				2.00	320.4		
CFBS2071	5/9 South	Compound A	CompoundA-2-S20	213	1.50	11.8	1170.6	65.0		2.00	15.8	86.7	
CFBS3054	5/9 South	Compound A	CompoundA-2-S20	958	1.50	53.2				2.00	70.9		
SLBS2006	5/9 South	Compound A	CompoundA-2-S21	334	2.50	31.0	1149.2	121.5		3.00	37.2	142.8	
SLBS30	5/9 South	Compound A	CompoundA-2-S21	815	3.00	90.5				3.50	105.6		
CFBS2005	5/9 South	Compound A	CompoundA-2-S3	1121	1.50	62.3	1120.8	62.3		2.00	83.0	83.0	
SLBS2002	5/9 South	Compound A	CompoundA-2-S4	606	7.00	157.1	605.8	157.1		7.50	168.3	168.3	
CFBS3053	5/9 South	Compound A	CompoundA-2-S5	671	1.50	37.3	671.0	37.3		2.00	49.7	49.7	
P2TS26	5/9 South	Compound A	CompoundA-2-S6	938	1.50	52.1				2.00	69.5		
P2TS09	5/9 South	Compound A	CompoundA-2-S6	2507	3.00	278.5				3.50	325.0		
CFBS2038	5/9 South	Compound A	CompoundA-2-S6	3028	5.00	560.8				5.50	616.9		
CFBS3013	5/9 South	Compound A	CompoundA-2-S6	1424	5.00	263.8				5.50	290.1		
P2TS02	5/9 South	Compound A	CompoundA-2-S6	4107	2.50	380.3				3.00	456.4		
CFBS2040	5/9 South	Compound A	CompoundA-2-S6	1796	1.50	99.8	33860.8	3611.6		2.00	133.0	4238.6	
CFBS2019	5/9 South	Compound A	CompoundA-2-S6	1357	3.00	150.8				3.50	176.0		
P2TS07	5/9 South	Compound A	CompoundA-2-S6	4642	2.00	343.9				2.50	429.8		
CFBS2021	5/9 South	Compound A	CompoundA-2-S6	3153	4.00	467.1				4.50	525.5		
CFBS2020	5/9 South	Compound A	CompoundA-2-S6	3666	2.00	271.6				2.50	339.5		
P2TS11	5/9 South	Compound A	CompoundA-2-S6	3328	2.50	308.1				3.00	369.7		
P2TS04	5/9 South	Compound A	CompoundA-2-S6	3913	3.00	434.8				3.50	507.3		
CFBS2010	5/9 South	Compound A	CompoundA-2-S7	296	1.50	16.4	295.9	16.4		2.00	21.9	21.9	
CFBS3003	5/9 South	Compound A	CompoundA-2-S8	1074	1.50	59.7				2.00	79.6		
CFBS1018	5/9 South	Compound A	CompoundA-2-S8	745	2.50	69.0	2691.6	193.3		3.00	82.8	243.1	
CFBS1020	5/9 South	Compound A	CompoundA-2-S8	872	2.00	64.6				2.50	80.8		
CFBS1004	5/9 South	Compound A	CompoundA-2-S9	611	2.00	45.2	1144.4	183.6		2.50	56.6	204.8	
CFBS1404	5/9 South	Compound A	CompoundA-2-S9	534	7.00	138.3				7.50	148.2		
CFBS2070	5/9 South	Compound A	CompoundA-2-SV2	2462	1.50	136.8	2461.9	136.8		2.00	182.4	182.4	
ELBS3005	5/9 South	EEL	EEL-2-S1	4549	2.50	421.2				3.00	505.4		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
ELBS3023	5/9 South	EEL	EEL-2-S1	3874	1.50	215.2				2.00	287.0		
ELBS2000	5/9 South	EEL	EEL-2-S1	7775	1.50	431.9				2.00	575.9		
ELBS3000	5/9 South	EEL	EEL-2-S1	10636	1.50	590.9	34414.9	2901.5		2.00	787.9	3538.8	
ELBS3003	5/9 South	EEL	EEL-2-S1	3755	1.50	208.6				2.00	278.1		
ELBS2008	5/9 South	EEL	EEL-2-S1	2334	11.00	950.7				11.50	993.9		
ELBS3016	5/9 South	EEL	EEL-2-S1	949	1.50	52.7				2.00	70.3		
ELBS3024	5/9 South	EEL	EEL-2-S1	543	1.50	30.1				2.00	40.2		
ELBS2007	5/9 South	EEL	EEL-2-S2	741	2.50	68.6	741.0	68.6		3.00	82.3	82.3	
ELBS1014	5/9 South	EEL	EEL-2-S3	454	6.00	100.9	453.9	100.9		6.50	109.3	109.3	
ELBS1018	5/9 South	EEL	EEL-2-S4	369	2.00	27.3	967.0	182.4		2.50	34.1	200.3	
ELBS2024	5/9 South	EEL	EEL-2-S4	598	7.00	155.1				7.50	166.2		
	5/9 South	EEL	EEL-2-SV1	5497	6.00	1221.5	5496.9	1221.5		6.50	1323.3	1323.3	
ELBS3012	5/9 South	EEL	EEL-2-S5/SV2	5740	1.50	318.9			7601.9	2.00	425.2		8912.9
ELBS2010	5/9 South	EEL	EEL-2-S5/SV2	1479	1.50	82.2				2.00	109.6		
ELBS3010	5/9 South	EEL	EEL-2-S5/SV2	3363	1.50	186.8				2.00	249.1		
ELBS2009	5/9 South	EEL	EEL-2-S5/SV2	899	7.00	233.0				7.50	249.6		
ELBS1027	5/9 South	EEL	EEL-2-S5/SV2	3582	2.00	265.3				2.50	331.6		
ELBS2028	5/9 South	EEL	EEL-2-S5/SV2	1844	10.00	682.9	25555.7	2940.7		10.50	717.1	3414.0	
ELBS2002	5/9 South	EEL	EEL-2-S5/SV2	788	2.50	73.0				3.00	87.6		
ELSS01	5/9 South	EEL	EEL-2-S5/SV2	590	1.50	32.8				2.00	43.7		
ELBS05	5/9 South	EEL	EEL-2-S5/SV2	2211	1.50	122.8				2.00	163.8		
ELBS02	5/9 South	EEL	EEL-2-S5/SV2	1811	1.50	100.6				2.00	134.1		
ELBS2012	5/9 South	EEL	EEL-2-S5/SV2	3249	7.00	842.4				7.50	902.6		
ELBS1012	5/9 South	EEL	EEL-2-S6	559	2.00	41.4				2.50	51.8		
ELBS2005	5/9 South	EEL	EEL-2-S6	1230	1.50	68.3	2805.6	166.2		2.00	91.1	218.2	
ELBS3015	5/9 South	EEL	EEL-2-S6	1017	1.50	56.5				2.00	75.3		
ELBS2022	5/9 South	EEL	EEL-2-S7	361	1.50	20.1	361.0	20.1		2.00	26.7	26.7	
SLBS2137	5/9 South	STL-IV	STL-IV-2-S1	1702	2.50	157.6				3.00	189.1		
SLBS3008	5/9 South	STL-IV	STL-IV-2-S1	4372	1.50	242.9	9217.6	592.5		2.00	323.9	763.2	
SLBS2037	5/9 South	STL-IV	STL-IV-2-S1	2674	1.50	148.5				2.00	198.0		
SLBS2136	5/9 South	STL-IV	STL-IV-2-S1	470	2.50	43.5				3.00	52.2		
SLBS3066	5/9 South	STL-IV	STL-IV-2-S10	1704	1.50	94.7	1704.4	94.7		2.00	126.3	126.3	
SLBS11	5/9 South	STL-IV	STL-IV-2-S11	375	1.50	20.8	515.0	28.6		2.00	27.8	38.1	
SLBS1006	5/9 South	STL-IV	STL-IV-2-S11	140	1.50	7.8				2.00	10.4		
SLBS2045	5/9 South	STL-IV	STL-IV-2-S12	6119	1.50	340.0				2.00	453.3		
SLBS2148	5/9 South	STL-IV	STL-IV-2-S12	3811	1.50	211.7	15884.9	2448.3		2.00	282.3	2742.5	
SLBS2043	5/9 South	STL-IV	STL-IV-2-S12	1682	2.50	155.7				3.00	186.9		
SLBS2041	5/9 South	STL-IV	STL-IV-2-S12	4273	11.00	1740.9				11.50	1820.1		
SLBS2036	5/9 South	STL-IV	STL-IV-2-S13	1179	7.00	305.8	1179.5	305.8		7.50	327.6	327.6	
SLBS3142	5/9 South	STL-IV	STL-IV-2-S14	417	1.50	23.2	417.1	23.2		2.00	30.9	30.9	
SLBS1014	5/9 South	STL-IV	STL-IV-2-S15	3701	2.00	274.1	3701.0	274.1		2.50	342.7	342.7	
SLBS2018	5/9 South	STL-IV	STL-IV-2-S16	911	1.50	50.6	911.2	50.6		2.00	67.5	67.5	

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SLBS1001	5/9 South	STL-IV	STL-IV-2-S17	344	2.00	25.5				2.50	31.9		
SLBS2066	5/9 South	STL-IV	STL-IV-2-S17	412	1.50	22.9	1493.1	116.6		2.00	30.5	144.3	
SLBS2176	5/9 South	STL-IV	STL-IV-2-S17	737	2.50	68.2				3.00	81.9		
SLBS27	5/9 South	STL-IV	STL-IV-2-S18	354	1.50	19.7	734.7	54.9		2.00	26.2	68.5	
SLBS3109	5/9 South	STL-IV	STL-IV-2-S18	381	2.50	35.3				3.00	42.3		
SLBS1040	5/9 South	STL-IV	STL-IV-2-S19	723	2.00	53.5				2.50	66.9		
SLBS1041	5/9 South	STL-IV	STL-IV-2-S19	325	1.50	18.0	1816.5	128.5		2.00	24.0	162.2	
SLBS1410	5/9 South	STL-IV	STL-IV-2-S19	769	2.00	57.0				2.50	71.2		
SLBS2064	5/9 South	STL-IV	STL-IV-2-S2	244	7.00	63.4				7.50	67.9		
SLBS1406	5/9 South	STL-IV	STL-IV-2-S2	315	11.00	128.2	929.4	287.6		11.50	134.0	304.8	
SLBS1023	5/9 South	STL-IV	STL-IV-2-S2	370	7.00	96.0				7.50	102.8		
SLSS08	5/9 South	STL-IV	STL-IV-2-S20	169	1.00	6.3	169.0	6.3		1.50	9.4	9.4	
SLBS3034	5/9 South	STL-IV	STL-IV-2-S21	2974	1.50	165.2	5817.2	323.2		2.00	220.3	430.9	
SLBS2155	5/9 South	STL-IV	STL-IV-2-S21	2843	1.50	157.9				2.00	210.6		
SLBS1004	5/9 South	STL-IV	STL-IV-2-S22	675	7.00	175.0				7.50	187.5		
SLBS2033	5/9 South	STL-IV	STL-IV-2-S22	781	7.00	202.6				7.50	217.1		
SLBS2032	5/9 South	STL-IV	STL-IV-2-S22	292	1.50	16.2	4558.8	602.0		2.00	21.6	686.4	
SLBS1005	5/9 South	STL-IV	STL-IV-2-S22	1366	2.00	101.2				2.50	126.5		
SLBS1423	5/9 South	STL-IV	STL-IV-2-S22	906	2.00	67.1				2.50	83.9		
SLBS1002	5/9 South	STL-IV	STL-IV-2-S22	539	2.00	39.9				2.50	49.9		
SLBS2030	5/9 South	STL-IV	STL-IV-2-S23/SV3	1000	4.50	166.7				5.00	185.3		
SLBS2083	5/9 South	STL-IV	STL-IV-2-S23/SV3	996	1.50	55.3	2541.9	363.5		2.00	73.8	410.6	
SLBS2093	5/9 South	STL-IV	STL-IV-2-S23/SV3	546	7.00	141.5				7.50	151.6		
SLBS1038	5/9 South	STL-IV	STL-IV-2-S24	849	2.00	62.9				2.50	78.6		
SLBS1039	5/9 South	STL-IV	STL-IV-2-S24	804	2.00	59.6				2.50	74.5		
SLBS2161	5/9 South	STL-IV	STL-IV-2-S24	846	2.50	78.3				3.00	94.0		
SLBS1035	5/9 South	STL-IV	STL-IV-2-S24	474	6.00	105.3	5321.1	533.8		6.50	114.1	632.3	
SLBS1600	5/9 South	STL-IV	STL-IV-2-S24	415	1.50	23.1				2.00	30.8		
SLBS2073	5/9 South	STL-IV	STL-IV-2-S24	322	6.50	77.4				7.00	83.4		
SLBS1067	5/9 South	STL-IV	STL-IV-2-S24	1187	2.00	87.9				2.50	109.9		
SLBS2107	5/9 South	STL-IV	STL-IV-2-S24	425	2.50	39.4				3.00	47.2		
SLTS1504	5/9 South	STL-IV	STL-IV-2-S25	435	3.00	48.4				3.50	56.4		
SLTS1500	5/9 South	STL-IV	STL-IV-2-S25	679	3.00	75.5				3.50	88.1		
SLBS1056	5/9 South	STL-IV	STL-IV-2-S25	1910	7.00	495.1				7.50	530.5		
SLBS2097	5/9 South	STL-IV	STL-IV-2-S25	621	7.00	161.0	8737.2	1507.2		7.50	172.5	1669.0	
SLBS2085	5/9 South	STL-IV	STL-IV-2-S25	1284	1.50	71.4				2.00	95.1		
SLTS1501	5/9 South	STL-IV	STL-IV-2-S25	665	3.00	73.9				3.50	86.2		
SLBS2084	5/9 South	STL-IV	STL-IV-2-S25	3143	5.00	581.9				5.50	640.1		
SLBS2071	5/9 South	STL-IV	STL-IV-2-S26	448	2.00	33.2				2.50	41.5		
SLBS2070	5/9 South	STL-IV	STL-IV-2-S26	536	2.00	39.7	1569.3	116.2		2.50	49.6	145.3	
SLBS2069	5/9 South	STL-IV	STL-IV-2-S26	586	2.00	43.4				2.50	54.2		
SLBS2129	5/9 South	STL-IV	STL-IV-2-S27	1002	2.00	74.2				2.50	92.8		

Appendix B
Supporting Documentation for Scenario 2 Polygons

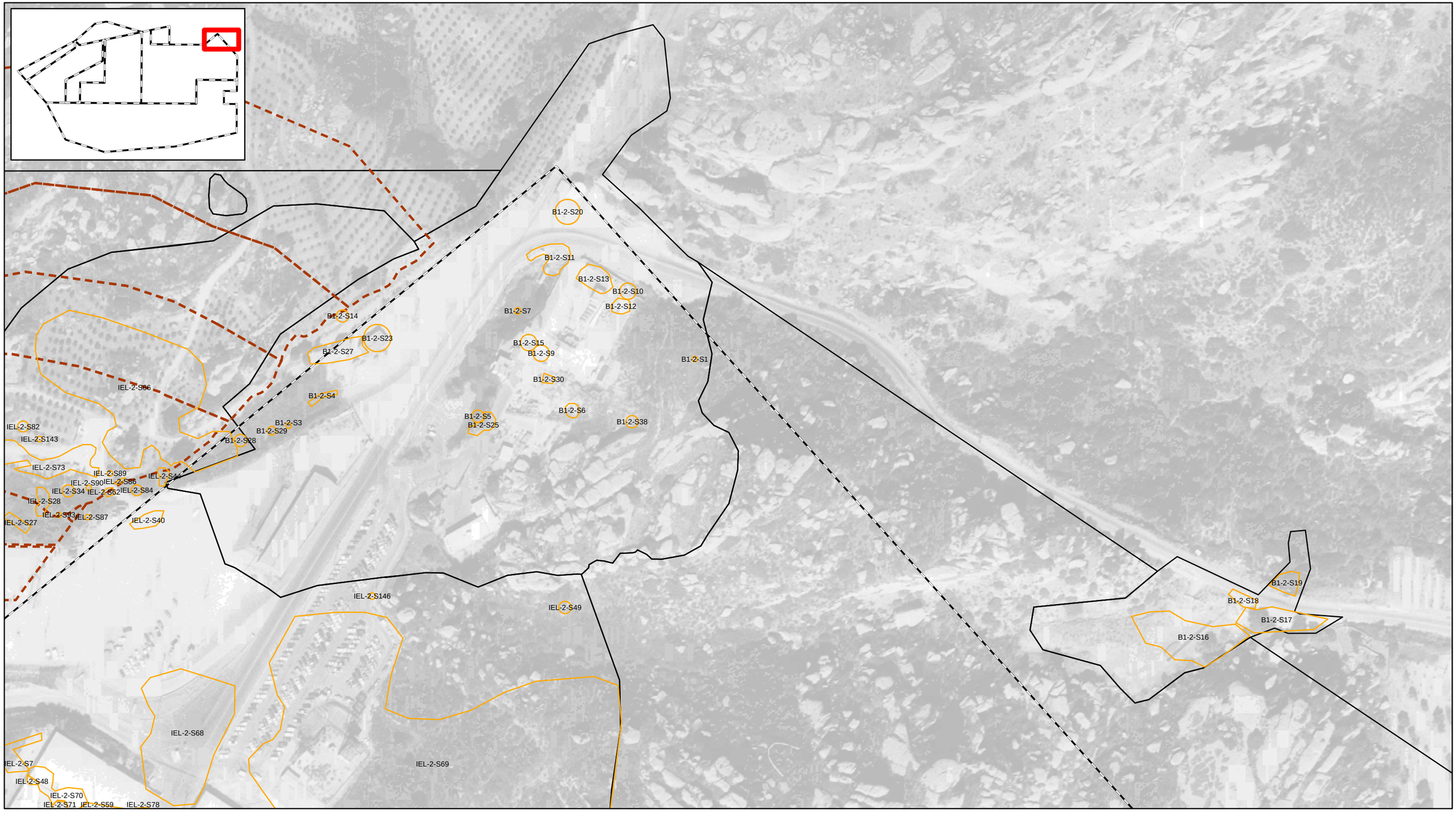
Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SLBS1032	5/9 South	STL-IV	STL-IV-2-S27	853	2.00	63.2				2.50	79.0		
SLBS2106	5/9 South	STL-IV	STL-IV-2-S27	774	8.00	229.2	4169.2	572.3		8.50	243.5	649.5	
SLBS2127	5/9 South	STL-IV	STL-IV-2-S27	985	1.50	54.7				2.00	73.0		
SLBS2123	5/9 South	STL-IV	STL-IV-2-S27	181	6.00	40.3				6.50	43.7		
SLBS2133	5/9 South	STL-IV	STL-IV-2-S27	373	8.00	110.6				8.50	117.5		
SLBS1015	5/9 South	STL-IV	STL-IV-2-S28	478	2.00	35.4	478.0	35.4		2.50	44.3	44.3	
SLBS1020	5/9 South	STL-IV	STL-IV-2-S29	890	6.50	214.2	889.7	214.2	18103.2	7.00	230.7	230.7	21206.8
SLBS2156	5/9 South	STL-IV	STL-IV-2-S3	3032	1.50	168.4	3031.6	168.4		2.00	224.6	224.6	
SLBS1063	5/9 South	STL-IV	STL-IV-2-S30	416	2.00	30.8	415.9	30.8		2.50	38.5	38.5	
SLBS1601	5/9 South	STL-IV	STL-IV-2-S31	406	1.50	22.5				2.00	30.1		
STL-IV-TM2-5	5/9 South	STL-IV	STL-IV-2-S31	407	2.00	30.2	1028.1	68.6		2.50	37.7	87.7	
STL-IV-TM2-4	5/9 South	STL-IV	STL-IV-2-S31	215	2.00	15.9				2.50	19.9		
SLBS2042	5/9 South	STL-IV	STL-IV-2-S32	801	1.50	44.5				2.00	59.3		
SLBS1011	5/9 South	STL-IV	STL-IV-2-S32	846	2.00	62.7				2.50	78.4		
SLBS1028	5/9 South	STL-IV	STL-IV-2-S32	829	2.00	61.4				2.50	76.7		
SLBS2011	5/9 South	STL-IV	STL-IV-2-S32	835	1.50	46.4				2.00	61.9		
SLBS1012	5/9 South	STL-IV	STL-IV-2-S32	848	2.00	62.8	7068.5	563.8		2.50	78.5	694.7	
SLBS1062	5/9 South	STL-IV	STL-IV-2-S32	439	2.00	32.6				2.50	40.7		
SLBS2164	5/9 South	STL-IV	STL-IV-2-S32	1016	3.50	131.7				4.00	150.5		
SLBS1060	5/9 South	STL-IV	STL-IV-2-S32	264	2.00	19.5				2.50	24.4		
SLBS1404	5/9 South	STL-IV	STL-IV-2-S32	430	2.00	31.8				2.50	39.8		
SLBS2111	5/9 South	STL-IV	STL-IV-2-S32	761	2.50	70.5				3.00	84.6		
SLBS2146	5/9 South	STL-IV	STL-IV-2-S33	523	2.50	48.5	523.5	48.5		3.00	58.2	58.2	
SLBS1036	5/9 South	STL-IV	STL-IV-2-S34	973	2.00	72.1	1544.9	114.4		2.50	90.1	143.0	
GMBS2013	5/9 South	STL-IV	STL-IV-2-S34	572	2.00	42.4				2.50	53.0		
SLBS2143	5/9 South	STL-IV	STL-IV-2-S35	395	2.50	36.6	395.5	36.6		3.00	43.9	43.9	
SLBS2028	5/9 South	STL-IV	STL-IV-2-S36	203	1.50	11.3	307.7	17.1		2.00	15.0	22.8	
SLBS2149	5/9 South	STL-IV	STL-IV-2-S36	105	1.50	5.8				2.00	7.8		
SB_STL-IV2-1	5/9 South	STL-IV	STL-IV-2-S37	427	2.00	31.6				2.50	39.6		
STL-IV-2-42	5/9 South	STL-IV	STL-IV-2-S37	255	8.00	75.5	917.3	176.9		8.50	80.3	193.9	
STL-IV-2-59	5/9 South	STL-IV	STL-IV-2-S37	235	8.00	69.7				8.50	74.1		
STL-IV-1-16	5/9 South	STL-IV	STL-IV-2-S38	1001	2.00	74.1				2.50	92.7		
STL-IV-1-70	5/9 South	STL-IV	STL-IV-2-S38	626	2.00	46.3	2144.8	197.3		2.50	57.9	237.0	
STL-IV-1-59	5/9 South	STL-IV	STL-IV-2-S38	518	4.00	76.8				4.50	86.4		
STL-IV-TC37-10	5/9 South	STL-IV	STL-IV-2-S39	345	1.50	19.2	590.2	32.8		2.00	25.5	43.7	
STL-IV-TC37-8	5/9 South	STL-IV	STL-IV-2-S39	245	1.50	13.6				2.00	18.2		
SLBS1008	5/9 South	STL-IV	STL-IV-2-S4	1943	2.00	143.9				2.50	179.9		
SLBS2075	5/9 South	STL-IV	STL-IV-2-S4	959	2.50	88.8				3.00	106.6		
SLBS1003	5/9 South	STL-IV	STL-IV-2-S4	831	7.00	215.5	6219.1	659.0		7.50	230.9	774.1	
SLBS2031	5/9 South	STL-IV	STL-IV-2-S4	524	1.50	29.1				2.00	38.8		
SLBS2025	5/9 South	STL-IV	STL-IV-2-S4	1962	2.50	181.7				3.00	218.0		
SLBS2080	5/9 South	STL-IV	STL-IV-2-S40	406	2.50	37.6	406.4	37.6		3.00	45.2	45.2	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SLBS2035	5/9 South	STL-IV	STL-IV-2-S41	406	7.00	105.3	406.1	105.3		7.50	112.8	112.8	
SLBS2118	5/9 South	STL-IV	STL-IV-2-S42	391	2.25	32.6	391.2	32.6		2.75	39.8	39.8	
	5/9 South	STL-IV	STL-IV-2-S43	408	1.00	15.1	408.3	15.1		1.50	22.7	22.7	
SLBS2139	5/9 South	STL-IV	STL-IV-2-S5	741	2.50	68.6	740.9	68.6		3.00	82.3	82.3	
SLTS1507	5/9 South	STL-IV	STL-IV-2-S6	2965	3.00	329.4				3.50	384.3		
SLBS2049	5/9 South	STL-IV	STL-IV-2-S6	2716	2.50	251.4				3.00	301.7		
SLBS2102	5/9 South	STL-IV	STL-IV-2-S6	5616	2.50	520.0				3.00	624.0		
SLBS3003	5/9 South	STL-IV	STL-IV-2-S6	5966	1.50	331.4				2.00	441.9		
SLBS2046	5/9 South	STL-IV	STL-IV-2-S6	2932	5.50	597.3				6.00	651.6		
SLBS3133	5/9 South	STL-IV	STL-IV-2-S6	7633	1.50	424.0				2.00	565.4		
SLBS3002	5/9 South	STL-IV	STL-IV-2-S6	3831	1.50	212.8				2.00	283.8		
SLBS2112	5/9 South	STL-IV	STL-IV-2-S6	1461	11.00	595.4	59138.0	5973.7		11.50	622.4	7068.9	
SLBS2114	5/9 South	STL-IV	STL-IV-2-S6	3093	1.50	171.8				2.00	229.1		
SLTS1506	5/9 South	STL-IV	STL-IV-2-S6	823	3.00	91.4				3.50	106.7		
SLBS3022	5/9 South	STL-IV	STL-IV-2-S6	3529	2.50	326.7				3.00	392.1		
SLBS3004	5/9 South	STL-IV	STL-IV-2-S6	3023	1.50	168.0				2.00	224.0		
SLBS3001	5/9 South	STL-IV	STL-IV-2-S6	3449	7.00	894.2				7.50	958.0		
SLBS3130	5/9 South	STL-IV	STL-IV-2-S6	1640	1.50	91.1				2.00	121.5		
SLBS2101	5/9 South	STL-IV	STL-IV-2-S6	5933	2.50	549.4				3.00	659.3		
SLBS2100	5/9 South	STL-IV	STL-IV-2-S6	4528	2.50	419.2				3.00	503.1		
SLBS2145	5/9 South	STL-IV	STL-IV-2-S7	381	2.50	35.3				3.00	42.4		
SLBS2144	5/9 South	STL-IV	STL-IV-2-S7	199	1.50	11.1	1537.3	122.9		2.00	14.8	151.4	
SLBS2039	5/9 South	STL-IV	STL-IV-2-S7	326	1.50	18.1				2.00	24.1		
SLBS2034	5/9 South	STL-IV	STL-IV-2-S7	631	2.50	58.4				3.00	70.1		
SLBS2184	5/9 South	STL-IV	STL-IV-2-S8	1411	1.50	78.4	1410.9	78.4		2.00	104.5	104.5	
SLBS2090	5/9 South	STL-IV	STL-IV-2-S9	1471	1.50	81.7	3374.4	222.7		2.00	109.0	285.2	
SLBS2154	5/9 South	STL-IV	STL-IV-2-S9	1903	2.00	141.0				2.50	176.2		
	5/9 South	STL-IV	STL-IV-2-SV1	2260	6.00	502.3	2260.5	502.3		6.50	544.2	544.2	
	5/9 South	STL-IV	STL-IV-2-SV2	579	7.00	150.0	578.6	150.0		7.50	160.7	160.7	
STBS2005	5/9 South	STP-3	STP3-2-S1	1325	2.50	122.7				3.00	147.3		
STBS1018	5/9 South	STP-3	STP3-2-S1	745	12.00	331.3				12.50	345.1		
STBS2063	5/9 South	STP-3	STP3-2-S1	715	7.00	185.4	3516.1	725.8		7.50	198.6	791.0	
STBS3006	5/9 South	STP-3	STP3-2-S1	585	2.50	54.2				3.00	65.0		
STBS3014	5/9 South	STP-3	STP3-2-S1	145	6.00	32.3				6.50	35.0		
STBS1010	5/9 South	STP-3	STP3-2-S2	1308	6.00	290.6				6.50	314.8		
STBS3012	5/9 South	STP-3	STP3-2-S2	8844	1.50	491.3				2.00	655.1		
STBS1007	5/9 South	STP-3	STP3-2-S2	812	2.00	60.2				2.50	75.2		
STBS1006	5/9 South	STP-3	STP3-2-S2	1523	2.00	112.8				2.50	141.0		
CFBS3056	5/9 South	STP-3	STP3-2-S2	3526	1.50	195.9				2.00	261.2		
STBS2065	5/9 South	STP-3	STP3-2-S2	1580	5.50	321.9	20839.3	1832.7		6.00	351.2	2218.6	
STBS2047	5/9 South	STP-3	STP3-2-S2	865	4.00	128.1				4.50	144.1		

Appendix B
Supporting Documentation for Scenario 2 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
STBS2049	5/9 South	STP-3	STP3-2-S2	946	1.50	52.5			2817.6	2.00	70.1		3333.1
STBS2058	5/9 South	STP-3	STP3-2-S2	499	2.50	46.2				3.00	55.5		
STBS02	5/9 South	STP-3	STP3-2-S2	487	6.00	108.2				6.50	117.2		
STBS01	5/9 South	STP-3	STP3-2-S2	450	1.50	25.0				2.00	33.3		
STBS1005	5/9 South	STP-3	STP3-2-S3	393	1.50	21.8	393.1	21.8		2.00	29.1	29.1	
STBS2006	5/9 South	STP-3	STP3-2-S4	639	1.50	35.5	1071.6	59.5		2.00	47.4	79.4	
STBS2011	5/9 South	STP-3	STP3-2-S4	432	1.50	24.0				2.00	32.0		
CFBS2008	5/9 South	STP-3	STP3-2-S5	436	1.50	24.2	436.1	24.2		2.00	32.3	32.3	
STBS1014	5/9 South	STP-3	STP3-2-S6	271	2.00	20.1	662.1	41.8		2.50	25.1	54.1	
STBS2052	5/9 South	STP-3	STP3-2-S6	391	1.50	21.7				2.00	29.0		
STBS1002	5/9 South	STP-3	STP3-2-S7	401	2.00	29.7	401.5	29.7		2.50	37.2	37.2	
STBS03	5/9 South	STP-3	STP3-2-S8	185	5.00	34.3	390.2	72.3		5.50	37.7	79.5	
STBS2054	5/9 South	STP-3	STP3-2-S8	205	5.00	38.0				5.50	41.8		
STTS01	5/9 South	STP-3	STP3-2-S9	130	2.00	9.6	130.1	9.6		2.50	12.0	12.0	
U0FS2118	Subarea 10	SBZ	SBZ-2-S23	452	1.50	25.1	452.4	25.1	75.6	2.00	33.5	33.5	100.8
BGSS07	Subarea 10	SBZ	SBZ-2-S98	908	1.50	50.5	908.5	50.5		2.00	67.3	67.3	
				acres		**cy**	**acres**	**acres**	**cy**		**cy**	**cy**	**cy**
			Totals for Areas I, III, and SBZ	**56.0**		**330,195**	**56.0**	**7.6**	**330,195**		**375,370**	**375,370**	**375,370**
			Total for the Former Shooting Range				**8.5**	**10.5**	**14,000**				**14,000**
			Total for Areas I, III, SBZ, & Former Shooting Range				**64.5**	**18.1**	**344,195**				**389,370**

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 1A North (East Side)



Legend

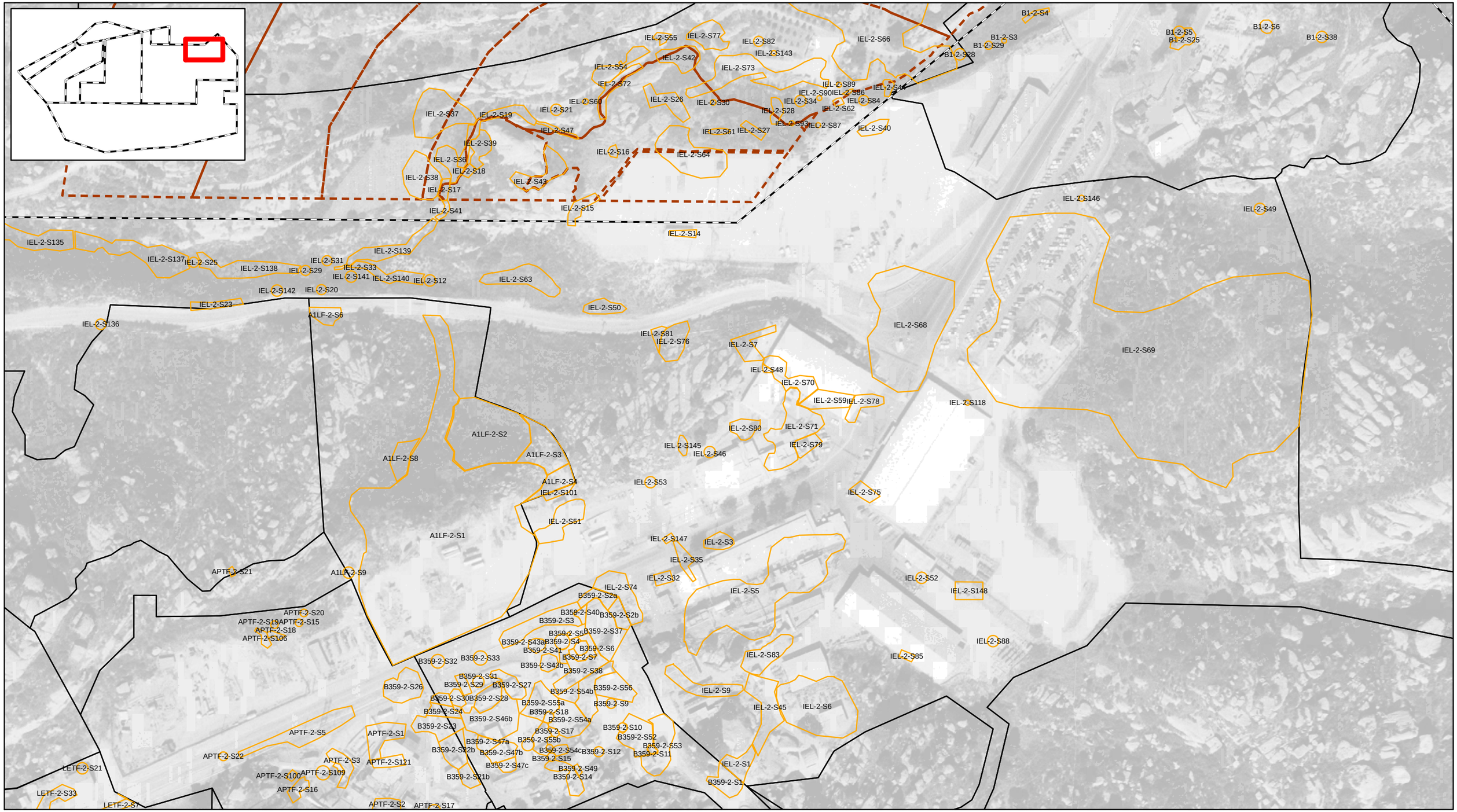
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas

N W E S

0 80 160 320 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 1A North (Central Portion)



Legend

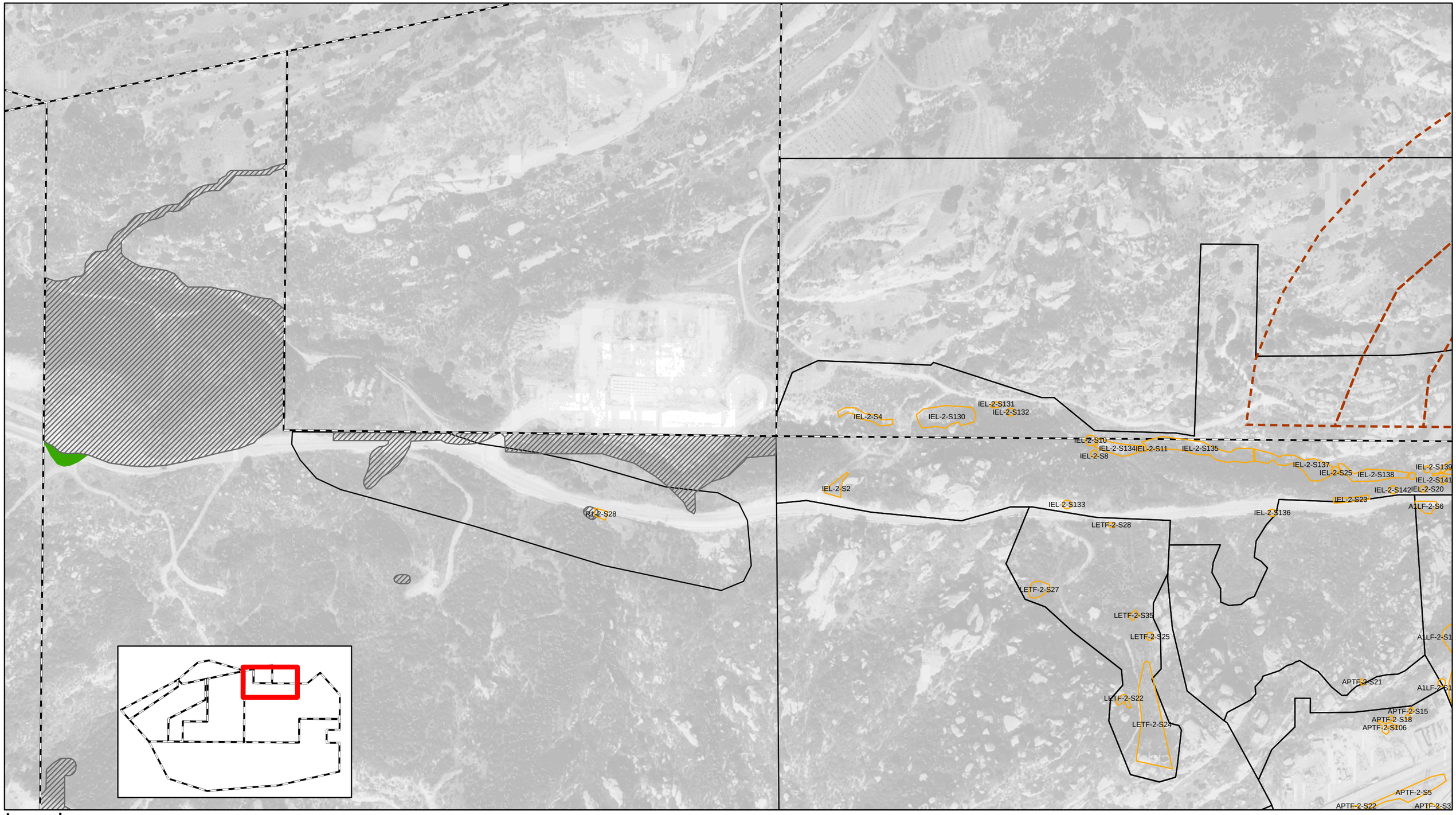
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas

N
W E
S

0 85 170 340 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 1A North (West Side)



Legend

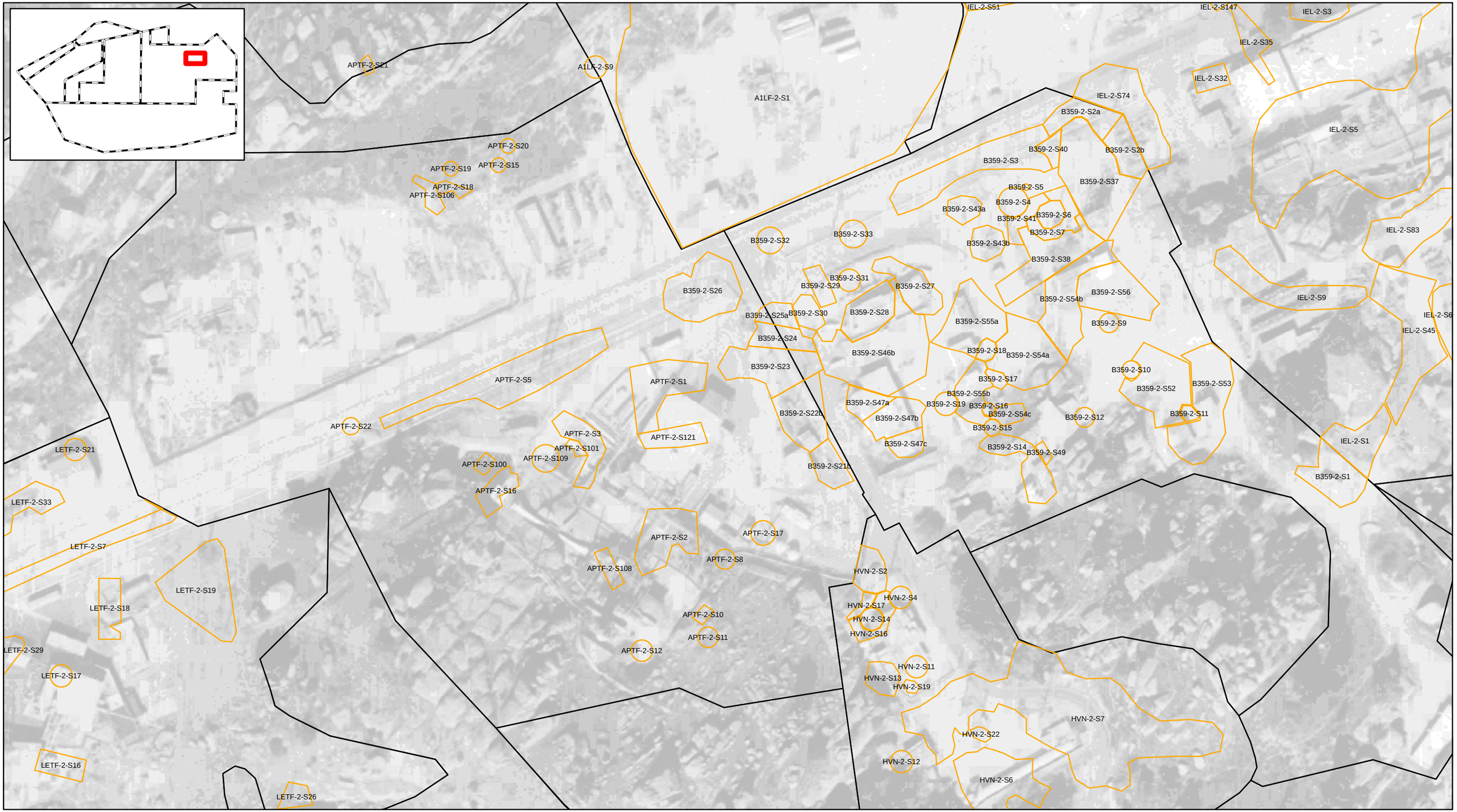
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 1A Central (Interior)



Legend

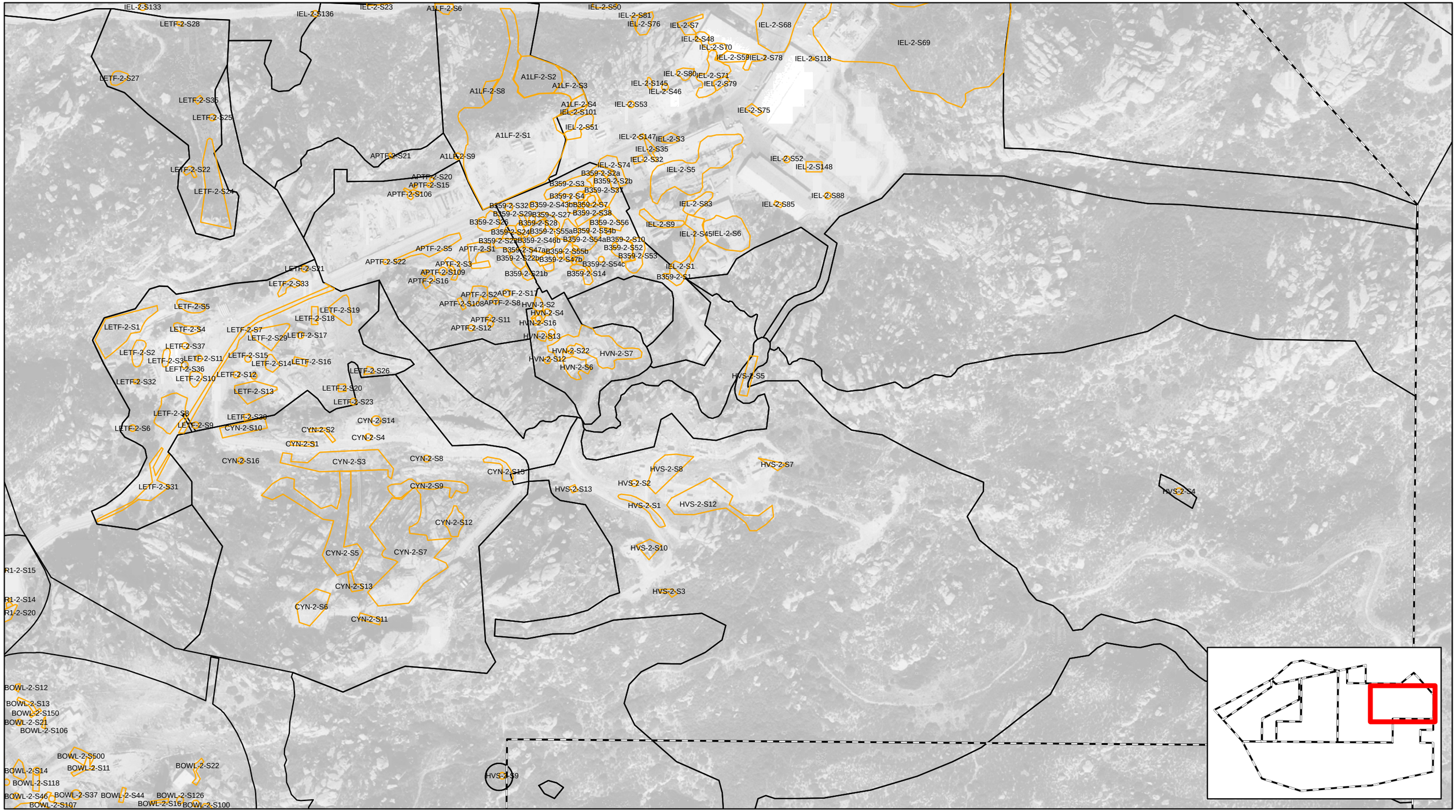
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Administrative Boundary
- RFI Site Reporting Areas

N W E S

0 50 100 200 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 1A South



Legend

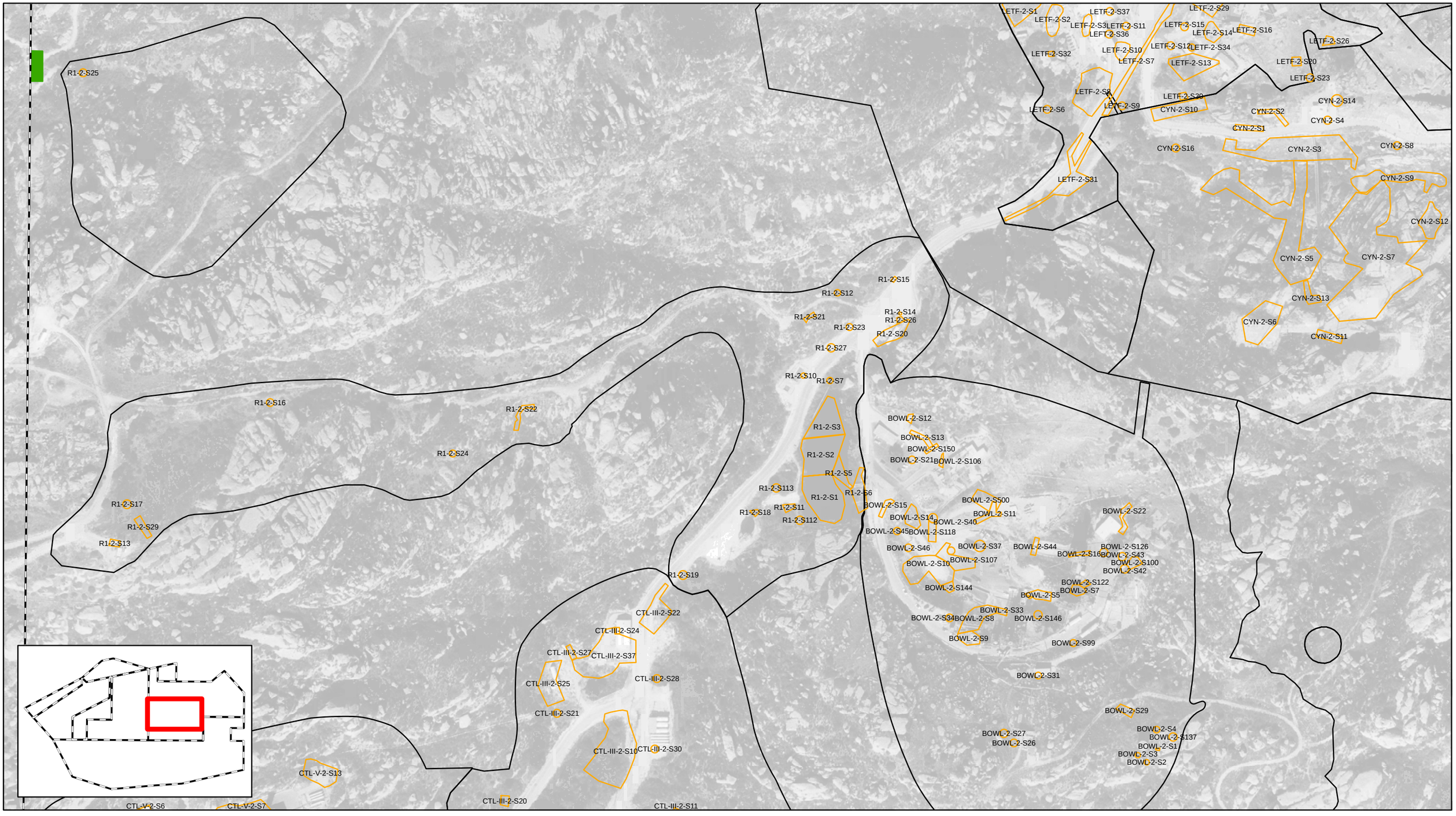
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Administrative Boundary
- RFI Site Reporting

N
W E
S

0 150 300 600 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 1B North



Legend

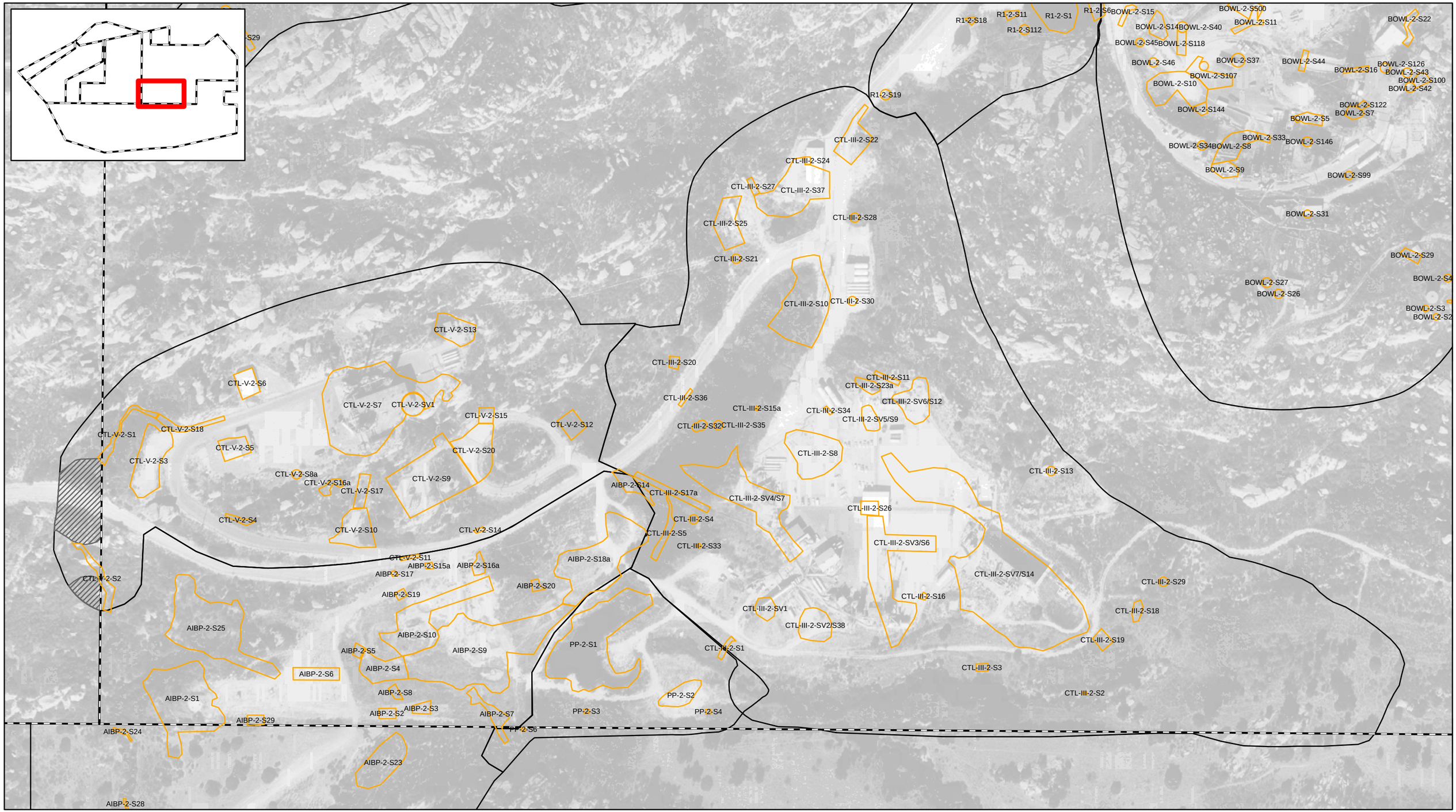
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Administrative Boundary
- RFI Site Reporting Areas
- Area Associated with NASA Responsibility

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subareas 1B Southeast and Southwest



Legend

- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 5/9 North

Legend

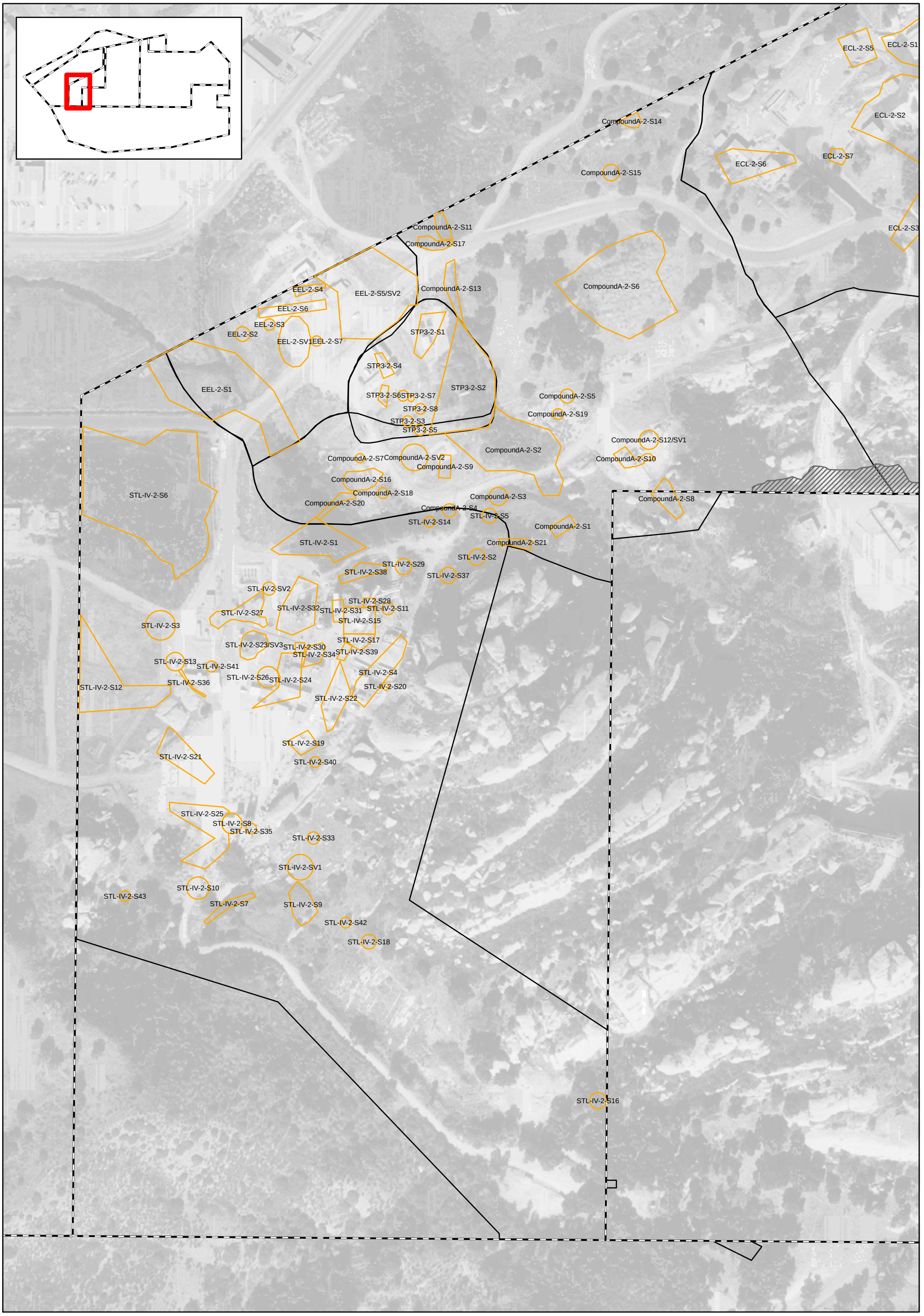
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N W E S

0 70 140 280 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 5/9 South



Legend

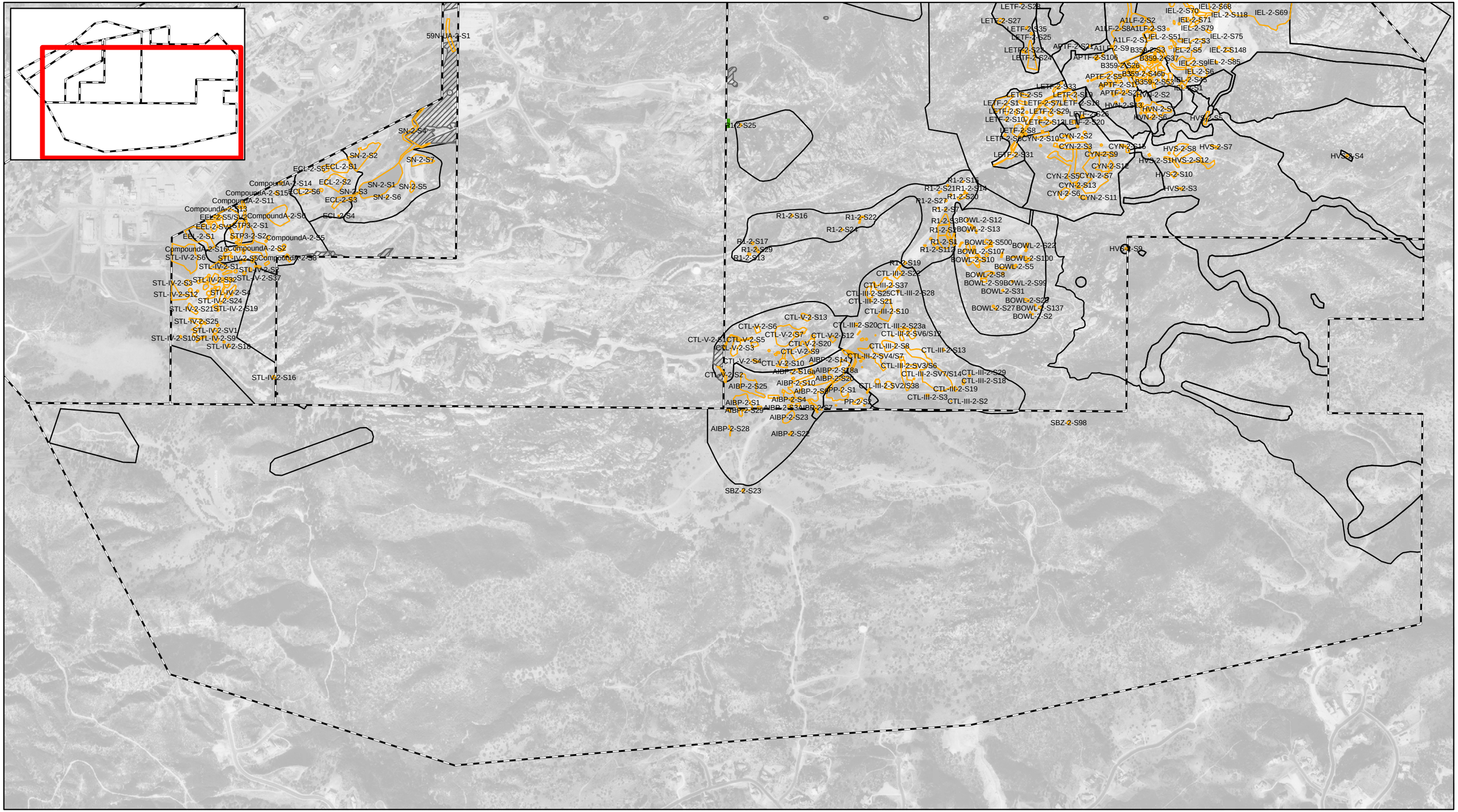
- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N W E S

0 55 110 220 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 2: Boeing Subarea 10 (Southern Buffer Zone)



Legend

- Estimated Excavation Areas for Boeing Sites (Scenario 2)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

N W E S

0 462.5 925 1,850 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Appendix B

Supporting Documentation for Scenario 2

Exceptions

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - A1LF									
A1BS1000	Lead		0-0.5	3.5-4	61	39	1.56	42.15	Isolated and less than 2x screening level.
A1BS1011	Arsenic	0-0.5	4.5-5		25	24.2	1.03	39.70	Isolated and less than 2x screening level. Less than 95 USL.
A1BS1001	Cadmium		0-0.5		0.58	0.435	1.33	0.579	Isolated and less than 2x screening level.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - B-1									
EPNDBS07	Lead		0-0.1		59	39	1.51	42.15	Less than 2x screening level.
B1BS1096	Arsenic		5.5-6	0.5-1	27	24.2	1.12	39.7	Less than 2x screening level and less than USL.
B1BS1065	Barium	0-0.5	8.8-9.8		210	203.8	1.03	318.75	Less than 2x screening level and less than USL.
B1BS0063	Barium	0.5-1	9.5-10	4.5-5	230	203.8	1.13	318.75	Less than 2x screening level and less than USL.
B1BS1045	Selenium		0-0.5		2.3	1.5	1.53	0.896	Less than 2x screening level.
B1BS1133	Selenium		0-0.5		1.7	1.5	1.13	0.896	Less than 2x screening level.
B1BS1063	Hexavalent Chromium	1-1.5	5.5-6	9.5-10	1.63	1.4	1.16	NA	Isolated deep. Less than 2x screening level .
	Aroclor1254	0-0.5	5.5-6	9.5-10	0.0461	0.035	1.32	NA	
B1ET0642	Cadmium		4.5-5	1.5-2	0.93	0.435	2.14	0.579	Less than 2x screening level.
B1BS1078	Arsenic		0.5-1.0	5.5-6	30	24.2	1.24	39.7	Less than 2x screening level and less than USL.
SB_B351-14	Benzene	2-2.5	12-12.5	17-17.5	0.26	0.133	1.95	NA	Original units mg/kg; actually ug/kg? Deep benzene needs boring location verfication.
B1-14	Benzene	2-2.5	12-12.5	17-17.5	0.26	0.133	1.95	NA	Note: B1-14 data likely duplicate of SB_B351-14. Verify correct boring name.
SB_B351-16	Benzene	2-2.5, 7-7.5	12-12.5	17-17.5	0.14	0.133	1.05	NA	Original units mg/kg; actually ug/kg? Deep benzene needs boring location verfication.
B1-16	Benzene	2-2.5, 7-7.5	12-12.5	17-17.5	0.14	0.133	1.05	NA	Note: B1-16 data likely duplicate of SB_B351-16. Verify correct boring name and location.
ENBS0044	Arsenic		0.5-1		33.4	24.2	1.38	39.7	Less than 2x screening level and less than USL.
B1BS1099	Lead		0-0.5		40	39	1.03	42.15	Less than 2x screening level and less than USL.
B1BS1098	Arsenic		9.5-10		29	24.2	1.20	39.7	Less than 2x screening level and less than USL.
ENBS0043	Arsenic		0.5-1		25	24.2	1.03	39.7	Less than 2x screening level and less than USL.
EPTWBS14S070	Dioxin TEQ		0.0-0.1		0.00000681	0.000005	1.36	NA	Less than 2x screening level.
B1BS1121	Cadmium		0-0.5		0.83	0.435	1.91	0.579	Less than 2x screening level.
B1BS1016	Molybdnum		0-0.5		2.9	1.642	1.77	2.744	Less than 2x screening level.
B1BS0053	Cadmium		0.5-1		0.59	0.435	1.36	0.579	Less than 2x screening level and less than USL.
B1BS0086	Cadmium		0-0.5		0.447	0.435	1.03	0.579	Less than 2x screening level and less than USL.
B1BS1079	Benzo(a)pyrene	1-1.5	5.5-6		0.00598	0.005	1.20	NA	Isolated, low conc, moderately deep, surface NE.
B1BS0084	Cadmium		0-0.5		0.496	0.435	1.14	0.579	Less than 2x screening level and less than USL.
B1ET0569	Cadmium		1-1.5		0.457	0.435	1.05	0.579	Less than 2x screening level and less than USL.
B1ET0693	Cadmium		4-4.5		0.487	0.435	1.12	0.579	Less than 2x screening level and less than USL.
B1ET0601	Cadmium		1-1.5		0.505	0.435	1.16	0.579	Less than 2x screening level and less than USL.
B1BS0103	Cadmium		4.0-5.0		1.07	0.435	2.46	0.579	Deep and isolated.
	lead		4.0-5.0		39.6	39	1.02	42.15	Less than 2x screening level and less than USL.
B1ET0642	Cadmium		1.5-2	4.5-5	0.93	0.435	2.14	0.579	Isolated.
B1ET0680	Copper		0.5-1		58.7	42	1.40	102	Less than 2x screening level and less than USL.
B1ET0671	Diox TEQ		1-1.5		0.00000918	0.000005	1.84	NA	Multiple nearby NE samples at 4-5 ft but no shallow samples.
	Lead		1-1.5		42	39	1.08	42.15	Less than 2x screening level and less than USL.
B1BS0183	Cadmium		0-0.5		0.457	0.435	1.05	0.579	Less than 2x screening level and less than USL.
B1BS0057	1-Methyl naphthalene	4.5-5	9.5-10	14-15	2.2	0.6	3.67	NA	Isolated, deep exceedance, bound above and below.
B1BS1005	Benzo(a)pyrene		1.0-2.0	5-5.5	0.0051	0.005	1.02	NA	Isolated, less than 2x screening level
B1BS1086	Benzo(a)pyrene		5.5-6		0.00863	0.005	1.73	NA	Isolated, less than 2x screening level
B1BS1089S001	Aroclor1260		0-0.5		0.0412	0.035	1.18	NA	Isolated, less than 2x screening level

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Scenario 2 - IEL									
ENBS0063	Antimony		0.5-1	4.5-5	2.4	1.5	1.60	0.738	Sample less than two times the criteria and isolated.
ILBS1294	Molybdenum		0-0.5		1.65	1.642	1.00	2.744	Sample less than two times the criteria and less than the USL.
ILBS1251	Cadmium		0-0.5		0.674	0.435	1.55	0.579	Sample less than two times the criteria and isolated.
	Lead		0-0.5		40	39	1.03	42.15	Sample less than two times the criteria and less than the USL.
UABS1002	Lead		0-0.5	3.5-4	75	39	1.9	42.15	Sample less than two times the criteria and isolated.
ENBS0056	Dioxin TEQ Mammal		0.5-1		0.00000542	0.000005	1.08		Sample less than two times the criteria and isolated.
	Cadmium		0.5-1		0.53	0.435	1.22	0.579	Sample less than two times the criteria and less than the USL.
ENBS0123	Dioxins		0-0.5		0.00000603	0.000005	1.21		Sample less than two times the criteria and isolated.
LFBS1129	Lead - Split		0-0.5		65.4	39	1.7	42.15	Sample less than 2 times the criteria.
	Lead - P		0-0.5		58	39	1.5	42.15	
ILBS1302	Dioxins		0-1		0.00000632	0.000005	1.26		Sample less than two times the criteria and isolated.
EPNDBS04	Lead		0-0.1		48.3	39	1.24	42.15	Sample less than two times the criteria and isolated.
ILBS1310	Lead		0-0.5		53.3	39	1.37		Sample less than two times the criteria and isolated.
ILBS0373	Arsenic		0.5-1		27	24.2	1.12		Sample less than two times the criteria and isolated. Field dup below criteria.
ILBS1401	Cadmium		0-0.5	5-6, 9-10	0.449	0.435	1.03	0.579	Sample less than two times the criteria and isolated. Split sample exceeded, primary below criteria.
NDBS0356	Molybdenum	0.5-1, 4.5-5	9.08-9.58		1.7	1.642	1.0	2.744	Slight exceedance of criteria and less than the USL. Also, found at depth with shallower samples that do not exceed the criteria.
ILBS1172	Benzo(a)pyrene		0-0.5		0.007	0.005	1.40		Sample less than 2 times the criteria.
ILBS0212	Arsenic		0.5-1		29	24.2	1.2	39.7	Sample less than 2 times the criteria and less than the USL.
ILBS1047	Arsenic		14-15	1-1.5, 4.5-5, 5-6, 9.5-10	28.6	24.2	1.2	39.7	Sample less than 2 times the criteria and less than the USL.
ILBS1048	Arsenic		3-4		24.9	24.2	1.0	39.7	
	Arsenic		9-10		27	24.2	1.1	39.7	Samples less than 2 times the criteria and less than the USL.
	Arsenic		14-15		28.7	24.2	1.2	39.7	
B1BS1097	Arsenic		5.5-6		36	24.2	1.5	39.7	Sample at depth less than 2 times criteria and less than the USL. Overlying and underlying samples do not exceed the criteria.
ILTS1007	Arsenic		13.5		27	24.2	1.1	39.7	Sample at depth less than 2 times criteria and less than the USL. Overlying sample does
ILBS1046	Benzo(a)anthracene		0.25-0.5	5-6, 9-10, 14-15	0.076	0.051	1.5		Sample isolated and less than 2 times the criteria.
ILBS0117	Cadmium		0.75-1.75		0.5	0.435	1.15	0.579	Samples less than 2 times the criteria and less than the USL.
ILBS11	TCE		25.5		0.142	0.07	2.0		Sample is 2x screening level.
	TCE		32		0.124	0.07	1.8		Sample less than 2x screening level.
ILBS08	TCE		10		0.112	0.07	1.6		Sample isolated and less than 2 times the criteria.
	TCE		25		0.104	0.07	1.5		
ILBS09	TCE		5		0.148	0.07	2.1		Sample isolated and upper sample only slightly above screening criteria. Lower sample less than 2x screening level.
	TCE		25		0.096	0.07	1.4		
ILBS1416	Molybdenum	0-0.5, 5-6, 9-10, 14-15	19-20		3.44	1.642	2.1	2.744	Isolated, less than 3x screening level. Non-exceed samples above.
ILBS19	TCE	5, 9.5, 16.5, 20	30		0.13	0.07	1.9		Isolated and less than 2x screening level.
ILBS1394	Cadmium		0-0.5		0.576	0.435	1.3	0.579	Samples less than 2 times the criteria and less than the USL.
SM-02-019	Cadmium		0-0		0.52	0.435	1.2	0.579	Samples less than 2 times the criteria and less than the USL. Primary sample exceeds, and split sample does not.
ILBS20	TCE		3-3		0.3	0.07	4.3		Estimated value, isolated exceedance, moderately deep VOCs likely to be treated in situ.

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Scenario 2 - APTF									
AFBS0130	Cadmium		0.0 - 1.0		0.54	0.435	1.24	0.579	Less than 2X scenario 2 criteria.
AFBS1002	NDMA		1.0 - 1.5		0.0109	0.01	1.09		Less than 2X scenario 2 criteria.
AFBS0129	Cadmium		0.5 - 1.0		0.73	0.435	1.68	0.579	Less than 2X scenario 2 criteria.
HNBS0114	Cadmium		0 - 0.5		0.57	0.435	1.31	0.579	Less than 2X scenario 2 criteria.
APTF-CH-13	Formaldehyde		0 - 0.5		24	16	1.50		Less than 2X scenario 2 criteria.
AFBS1091	Cadmium		0 - 0.5		0.67	0.435	1.54	0.579	Less than 2X scenario 2 criteria.
	Benzo(a)pyrene		0 - 0.5		0.00804	0.005	1.61		Less than 2X scenario 2 criteria.
AFBS07	TCE		8.0 - 8.0		0.024	0.0216	1.11		Less than 2X scenario 2 criteria.
AFBS1130	Cadmium		0 - 0.5		0.449	0.435	1.03	0.579	Less than 2X scenario 2 criteria.
AFBS1022	Cadmium		0 - 0.5		0.52	0.435	1.20	0.579	Less than 2X scenario 2 criteria.
AFBS1119	Aroclor 1254		0 - 0.5		0.057	0.035	1.63		Less than 2X scenario 2 criteria.
AFBS1085	Aroclor 1254		0 - 0.5		0.0612	0.035	1.75		Less than 2X scenario 2 criteria.
AFBS1059	Dioxin TEQ		0 - 1		0.00000647	0.000005	1.29		Less than 2X scenario 2 criteria.
AFBS0113	Copper		0.5 - 1		48.5	42	1.15	102	Less than 2X scenario 2 criteria.
AFBS0108	Arsenic		0.5 - 1		37	24.2	1.53	39.7	Less than 2X scenario 2 criteria.
AFBS1061	Dioxin Furan TEQ		0 - 1		0.0000121	0.000005	2.42		Isolated, less than 3X scenario 2 criteria.
	Cadmium		0-1		0.45	0.435	1.03	0.579	Less than 2X scenario 2 criteria.

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Scenario 2 - B359									
BSBS0103	Arsenic	4.5-5.5	9.5-10.5		24.7	24.2	1.0	39.7	Deep exceedance, slight criteria exceedance.
BSBS0132	Arsenic		14-15	19-20	24.9	24.2	1.0	39.7	Deep exceedance, slight criteria exceedance.
BSBS1080	Molybdenum	0.0-0.5	4.0-5.0		2.26	1.642	1.4	2.744	Isolated, exceedance less than 2X criteria.
HNBS0117	Molybdenum	0.25-0.75	4.0-5.0	9.0-10.0	1.7	1.642	1.0	2.744	Slight criteria exceedance.
	Arsenic	0.25-0.75; 4-5	9.0-10.0		32	24.2	1.3	39.7	Deep exceedance, less than 2X criteria.
BSBS1017	Arsenic	0-.5, 5-6	9-10, 14-15	19.0-20.0	32.5, 25.6	24.2	1.3, 1.1	39.7	Deep exceedance, less than 2X criteria.
BSBS0153	Arsenic	0.5-1, 4-5,	9.5-10	14-15, 19-20	35.6	24.2	1.5	39.7	Deep exceedance, less than 2X criteria.
BSBS0154	Arsenic	1-1.5	5-5.5, 10-10.5	15-15.5, 17-18	27.1, 26.5	24.2	1.1, 1.1	39.7	Moderately deep exceedance, slight criteria exceedance.
BSBS1016	Arsenic	0.5-1, 5-6	9-10, 14-15		27.1, 26.5	24.2	1.1, 1.1	39.7	Moderately deep exceedance, slight criteria exceedance.
BSBS1060	Arsenic		19-20	27-27.5	25.5	24.2	1.1	39.7	Deep exceedance, slight criteria exceedance.
BSBS23	Arsenic		15-15	29-29	30	24.2	1.2	39.7	Deep exceedance, less than 2X criteria.
BSBK04	Nickel		1.0-1.0	4, 8, 12, & 16	74	64.2	1.2	113	Isolated, exceedance less than 2X criteria.
BSBS0163	Molybdenum	0.5-1.0	4.0-4.5		1.9	1.642	1.2	2.744	Isolated, exceedance less than 2X criteria.
UABS1010	Selenium	0.5-0.5	6.1-7.1		1.6	1.5	1.1	0.896	Isolated, exceedance less than 2X criteria.
BSBS06	Mercury		0.0-0.5		0.61	0.353	1.7	0.0411	Isolated, exceedance less than 2X criteria.
BSLR51	Perchlorate	3, 6	9-9		0.18	0.1	1.8	0.000809	Exceedance less than 2X criteria.
			12-12		0.48	0.1	4.8	0.000809	Assume perchlorate deeper than 10' will be remediated in situ.
			15-15		0.19	0.1	1.9	0.000809	
BSTS24	Mercury	1-1, 4-4	8-8		0.5	0.353	1.4	0.0411	Deep exceedance, less than 2X criteria.
BSBS1093	Aroclor 1254		0.0-0.5		0.037	0.035	1.1		Isolated, exceedance less than 2X criteria.
BSLS75	Perchlorate		0.0-0.5		0.14	0.1	1.4	0.000809	Isolated, exceedance less than 2X criteria.
BSLX09	Perchlorate		0.0-0.5		0.132	0.1	1.3	0.000809	Isolated, exceedance less than 2X criteria.
BSBS68	Mercury		0.0-0.5		0.38	0.353	1.1	0.0411	Isolated, exceedance less than 2X criteria.
BSLR76	Perchlorate		0.0-0.5		0.13	0.1	1.3	0.000809	Isolated, exceedance less than 2X criteria.
BSBS75	Perchlorate	1.5-2, 4.5-5, 9.5-10	14.5-15		0.29	0.1	2.9	0.000809	Isolated and deep exceedance. Assume perchlorate deeper than 10' will be remediated in situ.
BSBS1050	Cadmium		0.0-0.5	5.0-6.0	0.569	0.435	1.3	0.579	Isolated, exceedance less than 2X criteria.
BSTS23	Cadmium	1-1, 4-4	8-8		0.52	0.435	1.2	0.579	Deep exceedance, less than 2X criteria.
	Mercury	1-1, 4-4	8-8		0.6	0.353	1.7	0.0411	Deep exceedance, less than 2X criteria.
BSBS1005	Perchlorate		9-10	14-15	0.128	0.1	1.3	0.000809	Primary sample exceeda, field duplicate does not. Deep exceedance, less than 2X criteria.
BSBS1061	Perchlorate		19-20	29-30, 30-31	0.13	0.1	1.3	0.000809	Field duplicate exceeda, primary sample does not. Deep exceedance, less than 2X criteria. Assume perchlorate deeper than 10' will be remediated in situ.
BSBK03	Cadmium	1-1, 4-4	8-8	11-11	0.6	0.435	1.4	0.579	Deep exceedance, less than 2X criteria.
BSLR49	Perchlorate	3-3, 6-6	9-9		0.11	0.1	1.1	0.000809	Deep exceedance, less than 2X criteria.
			12-12		0.39	0.1	3.9	0.000809	Assume perchlorate deeper than 10' will be remediated in situ.
			15-15		0.44	0.1	4.4	0.000809	
BSBS07	Mercury		3.0-3.5		0.5	0.353	1.4	0.0411	Isolated, exceedance less than 2X criteria.
BSTS22	Cadmium	1-1, 4-4	8-8		0.49	0.435	1.1	0.579	Deep exceedance, less than 2X criteria.
	Mercury	1-1, 4-4	8-8		0.72	0.353	2.0	0.0411	Deep exceedance, approximately 2X criteria.
BSLX29S01	Perchlorate		1.0-1.5		0.11	0.1	1.1	0.000809	Deep exceedance, less than 2X criteria.

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Scenario 2 - HVN									
HNBS0033	Arsenic	0.5-1, 9.5-10, 14.5-15	4.5-5		28	24.2	1.16	39.7	Isolated and less than 2x screening level. Less than 95 USL.
HNBS0108	Arsenic	0-0.5, 4.5-5	9.5-10		25	24.2	1.03	39.7	
	Selenium	0-0.5	4.5-5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
	Selenium	0-0.5	9.5-10		1.8	1.5	1.20	0.896	
HNBS0110	Cadmium		0-0.5	3.5-4.5	0.54	0.435	1.24	0.579	Isolated and less than 2x screening level. Less than 95 USL.
HVBS19	Mercury		0-0.5	5	0.39	0.353	1.10	0.0411	Isolated and less than 2x screening level.
HNBS0112	Selenium		0-0.5	9-10	1.6	1.5	1.07	0.896	
	Selenium		4-5	9-10	1.9	1.5	1.27	0.896	Isolated and less than 2x screening level.
	Cadmium		0-0.5	4-5	0.6	0.435	1.38	0.579	
HNBS0004	Arsenic	0.5-1, 4-5, 9-10	13-13.5		26	24.2	1.07	39.7	Isolated and less than 2x screening level. Less than 95 USL.
HNBS0113	Cadmium		0-0.5	4-5	0.7	0.435	1.61	0.579	Isolated and less than 2x screening level.
HNBS0123	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
HNBS0121	Selenium	0-0.5	4-4.5		1.7	1.5	1.13	0.896	Isolated and less than 2x screening level.
HNBS0119	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated and less than 2x screening level.
HNBS0106	Selenium	0-0.5	5-6		1.8	1.5	1.20	0.896	Isolated and less than 2x screening level.
	Cadmium		0-0.5		0.46	0.435	1.06	0.579	
HNBS0107	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
HNBS0101	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
	B(a)p		0-0.5		0.00731	0.005	1.46		

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Scenario 2 - Canyon									
CNBS0148	Antimony		4-4.5		2.70	1.5	1.80	0.74	Less than 2x screening level and less than USL.
CNBS0147	Antimony		4-4.5		2.92	1.5	1.95	0.74	Less than 2x screening level and less than USL.
CNBS0135	Cobalt		0-0.5		49	26.18	1.87	38	Isolated and less than 2x screening level.
CNBS1025	Arsenic		0-0.5		25.2	24.2	1.04	39.7	Isolated and less than 2x screening level and less than USL.
CNBS44	Cadmium		0-0.5		0.61	0.435	1.40	0.579	Isolated and less than 2x screening level.
CNBS1087	Cadmium		0.5-1		0.46	0.435	1.06	0.579	Isolated and less than 2x screening level and less than 95USL.
CNBS0096	Benzo(b)fluoranthene	1.5-2	4.5-5		0.0732	0.051	1.44		Isolated, clean sample above.
CNBS0104	Benzo(b)fluoranthene		0-0.5		0.0576	0.051	1.13		Less than 2x screening level.
CNBS58	Benzo(a)pyrene		0-1		0.0058	0.005	1.16		Less than 2x screening level.

Boring (Object Name) Scenario 2 - HVS	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
HZBS0166	Thallium		0-0.5		1.2	0.76	1.58	0.991	Isolated and less than 2x screening level.
HZBS1226	Cadmium		0-1		1.02	0.81	1.26	0.579	Isolated and less than 2x screening level.
HZBS1000	Zinc		0-0.5		321	320	1.00	185	Isolated and less than 2x screening level.
HVBS49	Cadmium		0.5		1	0.81	1.23	0.579	Isolated and less than 2x screening level.
HVBS69	Thallium		0-0.5		0.85	0.76	1.12	0.991	Less than 2x screening level and less than USL.
HZBS1144	Arsenic		4.25-4.75		33.9	24.2	1.40	39.7	Less than 2x screening level and less than USL.
HVBD97	Thallium		0-0.4		0.81	0.76	1.07	0.991	Less than 2x screening level and less than USL.
HVBD95	Thallium		0-0.4		1.2	0.76	1.58	0.991	Isolated and less than 2x screening level.
HZBS0161	Thallium		1.3-1.8		1.1	0.76	1.45	0.991	Isolated and less than 2x screening level.
HVTC13S44	Cadmium		0-0.5		1.2	0.81	1.48	0.579	Isolated and less than 2x screening level.
HVTC10S12	Arsenic		0-0.5		24.4	24.2	1.01	39.7	Isolated, less than 2x screening level and less than USL.
HZBS0162	Thallium		0.6-1.1		1	0.76	1.32	0.991	Less than 2x screening level.
HZBS0163	Thallium		0.5-1		0.97	0.76	1.28	0.991	Less than 2x screening level.
HVBF01	Thallium		0-0.1		1.1	0.76	1.45	0.991	Isolated and less than 2x screening level.
HZBS0002	Cadmium		0-0.5		1.1	0.81	1.36	0.579	Isolated, less than 2x screening level and surrounded by clean samples.
	Lead		0-0.5		59.5	39	1.53	42.15	
HZBS1119	Lead		0-0.5	0.5-1.5, 3.75-4.25	47.6	39	1.22	42.15	Isolated, less than 2x screening level and surrounded by clean samples.
HZBS0001	Cadmium		0-0.5	5-6	1.2	0.81	1.48	0.579	
	Lead		0-0.5	5-6	56.7	39	1.45	42.15	Less than 2x screening level.
	Zinc		0-0.5	5-6	456	320	1.43	185	
HZBS1020	Barium	0-0.5	5.5-6	10-10.5	204	203.8	1.00	318.75	Less than 2x screening level and less than USL.
HZBS1200	Barium		5-6		271	203.8	1.33	318.75	Less than 2x screening level and less than USL.
	Molybdenum		5-6		2.06	1.642	1.25	2.744	
UABS1012	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
UABS1017	Selenium		0-0.5	4.5-5.5	1.6	1.5	1.07	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
	Selenium	0-0.5	0.5-1.5	4.5-5.5	2.1	1.5	1.40	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
BZSS05	Thallium		0-0.5		1.8	0.629	2.86	0.991	Isolated and clean ND sample in same location at same depth.
	Cadmium		0-0.5		0.62	0.435	1.43	0.579	Isolated, less than 2x screening level and surrounded by clean samples.
BZSS05	Thallium		0-0.5		1.8	0.76	2.37	0.991	Isolated and clean ND sample in same location at same depth.
UABS1020	Selenium	0-0.5	2-2.5		2.2	1.5	1.47	0.896	Less than 2x screening level and surrounded by clean samples. Overlain by clean sample
UABS1018	Selenium		0-0.5	3-3.5	2.2	1.5	1.47	0.896	Less than 2x screening level and surrounded by clean samples. Clean sample underneath.
UABS1019	Selenium		0-0.5		1.6	1.5	1.07	0.896	Less than 2x screening level and surrounded by clean samples.
HVBF03	Thallium		0-0.1		0.9	0.76	1.18	0.991	Less than 2x screening level and less than USL.
HZBS1113	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
	Selenium		2.5-3.5		1.9	1.5	1.27	0.896	
HZBS1013	Dioxins		0-0.5		0.00000697	0.000005	1.39		Isolated, less than 2x screening level
HZBS1004	Silver		0-0.5		55	29	1.90		Isolated, less than 2x screening level
HZBS1224	Dioxins		0-0.5		0.00000946	0.000005	1.89		Isolated, less than 2x screening level
HVBD96	Thallium		0-0.4		1.3	0.76	1.71	1.0	Isolated, less than 2x screening level
HZBS0178	Antimony		1.6-2.1		2.33	2.0	1.17	0.740	Isolated, less than 2x screening level
HZBS0081	Antimony		0.8-1.3		2.02	2.0	1.01	0.740	Isolated, less than 2x screening level
HZBS0179	Antimony		0.9-1.4		2.19	2.0	1.10	0.740	Isolated, less than 2x screening level
HZBS1067	Lead		0.5-1.5		45	39	1.15	42.2	Isolated, less than 2x screening level
HZBS1088	Selenium		0.5-1	1-1.5	1.7	1.5	1.13	0.896	Isolated, less than 2x screening level
HZBS1087	Selenium		0-0.5		2	1.5	1.33	0.896	Isolated, less than 2x screening level
	Selenium		1.5-2		2.4	1.5	1.60	0.896	
BGSS02	Antimony		1		3.9	2	1.95	0.740	Isolated, less than 2x screening level
HZBS0145	Cadmium		0-0.5		0.492	0.435	1.13	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S25	Cadmium		0-0.5		0.46	0.435	1.06	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S16	Cadmium		7-7.5		0.57	0.435	1.31	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S17	Cadmium		9-9.5		0.50	0.435	1.15	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S07	Cadmium		0-0.5		0.44	0.435	1.01	0.579	Isolated, less than 2x screening level and less than 95USL.
UABS1069	Arsenic		0-0.5		26	24.2	1.07	39.7	Less than 2x screening level and less than 95USL. Clean split sample.
	Selenium		0-0.5		1.8	1.5	1.20	0.991	Less than 2x screening level.Clean split sample.
HZBS1098	Selenium		0-0.5		1.8	1.5	1.20	0.896	Less than 2x screening level.
	Selenium		3.8-4.8		2.5	1.5	1.67	0.896	
HZBS1099	Selenium		0-0.5		1.9	1.5	1.27	0.896	Less than 2x screening level.
	Selenium		1.5-2		1.8	1.5	1.20	0.896	
HZBS1095	Selenium		4.5-5		1.6	1.5	1.07	0.991	Less than 2x screening level.
HZBS1097	Selenium		0-0.5		2	1.5	1.33	0.991	Less than 2x screening level.

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Scenario 2 - LETF									
LFBS67	Cadmium		0-1		0.82	0.435	1.89	0.579	Isolated and less than 2x screening level.
LFBS1215	Dioxins	0-0.5	5-6	9-10	0.00000614	0.000005	1.23		Isolated and less than 2x screening level, clean samples above and below.
LFBS1202	Lead		0-0.5		58.3	39	1.49	42.15	Isolated and less than 2x screening level.
LFBS1112	Antimony		0-0.5		2.59	2	1.30	0.738	Isolated and less than 2x screening level.
	Cadmium		0-0.5		0.68	0.435	1.56	0.579	Isolated and less than 2x screening level.
LFBS1111	Arsenic		0.5-1	4.5-5.5	27.2	24.2	1.12	39.7	Isolated and less than 2x screening level, less than USL. Clean duplicate sample.
LFBS1099	Copper		0.5-1		43.8	42	1.04	102	Isolated and less than 2x screening level, less than USL.
	Hexavalent Chromium		1-2		2	1.4	1.43	1.71	Isolated and less than 2x screening level.
LFBS1076	Cadmium		0-1	5-6	0.441	0.435	1.01	0.579	Isolated and less than 2x screening level, less than USL.
AFBS1024	Cadmium		0.25-0.5	5.5-6, 18.5-19.5	0.65	0.435	1.49	0.579	Isolated and less than 2x screening level.
LFBS1075	Cadmium		0.5-1		0.73	0.435	1.68	0.579	Isolated and less than 2x screening level.
LFBS0229	Cadmium		3.2-3.5		0.444	0.435	1.02	0.579	Isolated and less than 2x screening level, less than USL.
LFBS0192	Cadmium		0.5-1	4.5-5, 9.5-10	0.6	0.435	1.38	0.579	Less than 2x screening level. Clean samples below.
LFBS1066	Cadmium		0.5-1	5.5-6	0.526	0.435	1.21	0.579	Less than 2x screening level and less than USL. Clean sample below.
LFBS1098	Aroclor 1254		0.5-1	5.5-6.5	0.072	0.035	2.06		Isolated, surrounded by clean samples. 0.06 above 2x screening level. Clean sample below.
LFBS0185	Cadmium, S		0.5-1		0.582	0.435	1.34	0.579	Isolated and less than 2x screening level, less than USL. Surrounded by clean samples.
	Cadmium, P		0.5-1		0.53	0.435	1.22	0.579	
LFBS0103	Cadmium		0-0.5		0.65	0.435	1.49	0.579	Less than 2x screening level. Clean samples nearby.
LFBS1026	Aroclor 1254, FD		0-1	5-6	0.051	0.035	1.46		Less than 2x screening level. Clean primary sample.
	Aroclor 1254, P		0-1	5-6	0.018	0.035	0.51		

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Scenario 2 - Bowl									
B-4-01	Cadmium		0 - 0.5		0.6	0.435	1.38	0.579	Isolated, concentration near Scenario 2 criteria
BABS0001	B(a)P		0.5 - 1		0.0064	0.005	1.28		Isolated, concentration near Scenario 2 criteria
BABS1000	Antimony		0 - 1		3.9	2	1.95		Isolated, concentration less than 2x Scenario 2 criteria
BABS1009	B(a)P		0 - 1.0		0.0076	0.005	1.52		Isolated, concentration less than 2x Scenario 2 criteria
BABS1052	Antimony		0 - 1		3.9	2	1.95		Isolated, concentration less than 2x Scenario 2 criteria
	Antimony		3.0 - 4.0		3.4	2	1.70		Isolated, concentration less than 2x Scenario 2 criteria
BABS1074	Cadmium		0 - 1.0		0.6	0.435	1.38	0.579	Isolated, concentration near Scenario 2 criteria
BABS1079	Antimony		0 - 1		2.9	2	1.45	0.738	Isolated, concentration near Scenario 2 criteria
BABS1080	Cadmium		0 - 0.5		0.51	0.435	1.17	0.579	Isolated, concentration near Scenario 2 criteria
BABS1091	Antimony		0 - 1.0		2	2	1.00	0.738	Isolated, concentration near Scenario 2 criteria
BABS1102	Antimony		0 - 1.0		2.4	2	1.20	0.738	Isolated, concentration near Scenario 2 criteria
BABS1103	Antimony		0 - 1		2.9	2	1.45	0.738	Isolated, concentration near Scenario 2 criteria
BABS1105	Antimony		0 - 1		2.8	2	1.40	0.738	Isolated, concentration near Scenario 2 criteria
BABS1113	Cadmium		0 - 0.8		0.53	0.435	1.22	0.579	Isolated, concentration near Scenario 2 criteria
BABS1144	Cadmium		0 - 0.5		0.459	0.435	1.06	0.579	Isolated, concentration near Scenario 2 criteria
BABS2020	Cadmium		0 - 0.5		0.595	0.435	1.37	0.579	Isolated, concentration near Scenario 2 criteria
BABS2026	Copper		0 - 0.5		61.7	42	1.47	102	Isolated, concentration near Scenario 2 criteria
BABS2029	Cadmium		0 - 0.5		0.622	0.435	1.43	0.579	Isolated, concentration near Scenario 2 criteria
BABS2032	B(a)P		0.5 - 1.5		0.0086	0.005	1.72		Isolated, concentration less than 2x Scenario 2 criteria
BABS2033	B(a)P		0.5 - 1.5		0.0052	0.005	1.04		Isolated, concentration near Scenario 2 criteria
	B(a)P		9.0 - 10.0		0.006	0.005	1.20		Isolated, concentration near Scenario 2 criteria
BABS2037	B(a)P		0.5 - 1.0		0.0059	0.01	1.18		Isolated, concentration near Scenario 2 criteria
BABS2039	Cadmium		0 - 0.5		0.503	0.435	1.16	0.579	Isolated, concentration near Scenario 2 criteria
BABS2049	Manganese		0 - 0.5		769	723	1.06	959	Isolated, concentration near Scenario 2 criteria
BABS2064	Lead		0 - 0.5		40.2	39	1.03	42.15	Isolated, concentration near Scenario 2 criteria
	Cadmium		0 - 0.5		0.575	0.435	1.32	0.579	Isolated, concentration near Scenario 2 criteria
BABS2072	Cadmium		0 - 0.5		0.717	0.435	1.65	0.579	Isolated, concentration less than 2x Scenario 2 criteria
BABS2097	B(a)P		0.5 - 1.5		0.006	0.005	1.20		Isolated, concentration near Scenario 2 criteria
	B(a)P		2.0 - 3.0		0.0054	0.005	1.08		Isolated, concentration near Scenario 2 criteria
BABS2116	B(a)P		0 - 0.5		0.0071	0.005	1.42		Isolated, concentration near Scenario 2 criteria
BABS2133	B(a)P		0 - 0.5		0.0091	0.005	1.82		Isolated, concentration less than 2x Scenario 2 criteria
BABS2140	B(a)P		0.5 - 1.5		0.0056	0.005	1.12		Isolated, concentration near Scenario 2 criteria
BABS3006	B(a)P		0.5 - 1		0.0088	0.005	1.76		Isolated, concentration less than 2x Scenario 2 criteria
BATS 1004	Cadmium		0 - 1		0.94	0.435	2.16	0.579	Isolated, concentration near Scenario 2 criteria
BATS03	Copper		3.0 - 3.5		60.4	42	1.44	102	Isolated, concentration near Scenario 2 criteria
BATS17	Thallium		4 - 4.5		0.71	0.629	1.13	0.991	Isolated, concentration near Scenario 2 criteria
BABS1087	Antimony		0 - 1.0		3.4	2	1.70	0.738	Concentration less than 2x Scenario 2 criteria
	Antimony		5.0-6.0		3.7	2	1.85	0.738	Concentration less than 2x Scenario 2 criteria
BABS1001B	Antimony		5.0-6.0		2.6	2	1.30	0.738	Concentration less than 2x Scenario 2 criteria

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Rationale for Scenario 2 Exclusion, R-1 Pond									
R1BS1000	Zinc		5.0 - 6.0		560	320	1.75	185	Exceedances less than 2x criteria.
	Benzo(a)pyrene		0 - 1.0		0.0052	0.005	1.04		
	Benzo(a)pyrene		5.0 - 6.0		0.0059	0.005	1.18		Exceedances less than 2x criteria.
R1BS2028	Cadmium		0 - 0.5		0.506	0.435	1.16	0.579	Isolated sample, low concentration
R1BS2068	Cadmium		0 - 0.5		0.501	0.435	1.15	0.579	Isolated sample, low concentration
R1BS2019	Benzo(a)pyrene		0.5 - 1.5		0.0061	0.005	1.22		Isolated sample, low concentration
R1BS2090	Benzo(a)pyrene		11.5 - 12.5		0.0061	0.005	1.22		Isolated sample, low concentration
R1BSS07	Di-n-butyl Pthalate		0.5 - 0.5		1.4	1.1	1.27		Isolated sample, low concentration
	Cadmium				0.66	0.435	1.52	0.579	Isolated sample, low concentration
UBBS3031	Dioxin Furan TEQ		0 - 0.5		0.00000867	0.000005	1.73		Isolated, less than 2x Scenario 2 Criteria
UBBS3028	Antimony		0 - 0.5		3.55	2.0	1.78	0.738	Isolated, less than 2x Scenario 2 Criteria
R1BS1041	Antimony		4.0 - 5.0		2.8	2	1.40	0.738	Isolated, concentration less than 2x Scenario 2 criteria.
R1BS2007	Arsenic		0 - 0.5		27.1	24.2	1.12	39.7	Isolated, concentration less than 2x Scenario 2 criteria.
R1BS2065	MCPA		0 - 0.5		1.1	0.76	1.45		Isolated, low concentration, herbicide
R1BS2066	MCPA		0 - 0.5		1.3	0.76	1.71		Isolated, low concentration, herbicide
R1BS2085	MCPA		0 - 0.5		1.1	0.76	1.45		Isolated, low concentration, herbicide
R1BS2097	Arsenic		0 - 0.5		42.2	24.2	1.74	39.7	Isolated, concentration less than 2x Scenario 2 criteria.
R1BS2098	MCPA		0 - 0.5		1.2	0.76	1.58		Isolated, low concentration, herbicide
R1BS2300	MCPA		0 - 0.5		1.5	0.76	1.97		Isolated, low concentration, herbicide
R1BS2310	MCPA		0 - 0.5		1.4	0.76	1.84		Isolated, low concentration, herbicide
R1BS2015	Antimony		0 - 0.5		2.07	2	1.04	0.738	Isolated, concentration less than 2x Scenario 2 criteria.
R1BS1047	Dioxin Furan TEQ		0 - 1.0		0.00000794	0.000005	1.59		Isolated, concentration less than 2x Scenario 2 criteria.
R1BS2014	Cadmium		0.5 - 1.5		0.939	0.81	1.16	0.579	Isolated, concentration less than 2x Scenario 2 criteria.
UBBS2010	CR 6+		0.5 - 1.0		2.20	1.13	1.95	1.706	Isolated, concentration less than 2x Scenario 2 criteria.
R1BS2040	Dioxin Furan TEQ		0 - 0.5		0.00	0.000005	1.36		Isolated, concentration less than 2x Scenario 2 criteria.
R1BS3002	Arsenic		0 - 0.5		40.90	24.2	1.69	39.7	Isolated, concentration less than 2x Scenario 2 criteria.
R1BS1044	Antimony		0-1		2.9	2	1.45	0.738	Isolated, concentration less than 2x Scenario 2 criteria.
R1BS2044	Arsenic		0-0.5		25.5	24.2	1.05	39.7	Isolated, slight exceedance, below 95 USL.

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Scenario 2 - CTL-III									
PPBS1052	Selenium	0-0.5	2-2.5		1.7	1.5	1.1	0.896	Overlying sample less than screening criteria. Sample less than two times the
CLBS2157	MCPA		0-0.5		1.1	0.76	1.4		Shallow sample less than 2 times the criteria.
CLBS2159	MCPA		0-0.5		0.98	0.76	1.3		Shallow sample less than 2 times the criteria.
CLBS2084	Methylene Chloride		0.5-1.5	5-6	0.14	0.056	3.3		Isolated exceedance, field duplicate exceeds but primary sample does not.
CLBS2163	MCPA		0-0.5		1.2	0.76	1.6		Samples less than 2 times the criteria.
CLBS2112	Cadmium	0-0.5			0.223	0.435	0.5	0.579	CLBS2112 and CLBS41 are immediately adjacent to one another. Surface samples are below screening criteria. Deep impacts are less than 2 times the criteria.
	Cadmium	0-0.5			0.251	0.435	0.6	0.579	
CLBS41	Cadmium		20		0.45	0.435	1.0	0.579	
CLBS40	TCE		20	31.5	0.12	0.07	1.7		Deep TCE impacts anticipated to be addressed through soil vapor extraction.
CLBS1013	Molybdenum		0-1		2.6	1.642	1.6	2.744	Sample less than 2 times the criteria and less than the USL.
	Molybdenum		0-1		1.89	1.642	1.2	2.744	
CLBS1186	Selenium		0-0.5	4-5	1.6	1.5	1.1	0.896	Sample less than 2 times the critieria.
CLBS2066	Molybdenum	0-0.5	5-5.5		2.18	1.642	1.3	2.744	Shallow sample does not exceed criteria. Deep sample less than 2 times the criteria.
CLBS2069	Molybdenum		0.5-1		1.76	1.642	1.1	2.744	Sample approximately 2 times the criteria and less than the USL.
	Molybdenum		0.5-1		3.5	1.642	2.1	2.744	
CLBS3011	Cadmium		0-0.5		0.566	0.435	1.3	0.579	Sample less than 2 times the criteria and less than the USL.
CLBS2093	Cadmium		0.5-1.5	4.5-5	0.547	0.435	1.3	0.579	Samples less than 2 times the criteria.
CLBS2005	Barium		0-0.5		430	203.8	2.1	318.75	It is unclear where this boring is located. In GIS this boring is displayed just north of the boundary of Building 1449 where the GW treatment plant is currently located. The boring was drilled in 2013. New asphalt was installed sometime around 2010. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/22/2013.
	Barium		0-0.5		238	203.8	1.2	318.75	
CLBS2004	Barium		0-0.5	5-5.8	371	203.8	1.8	318.75	It is unclear where this boring is located. In GIS this boring is displayed inside of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/16/2013.
	Barium		0-0.5	5-5.8	316	203.8	1.6	318.75	
	Cadmium		0-0.5		0.47	0.435	1.1	0.579	
	Cadmium		0-0.5		0.518	0.435	1.2	0.579	
	Cadmium		0-0.5		0.11	0.435	0.3	0.579	
CLBS2010	Barium		0-0.5		1060	203.8	5.2	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the boundary of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/30/2013.
	Copper		0-0.5		64.7	42	1.5	42.15	
CLBS2023	Barium		0-0.5		320	203.8	1.6	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the SE corner of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphalt at the surface. This needs to be reviewed further. The boring was apparently completed 10/16/2013.
	Cadmium		0-0.5		1.76	0.435	4.0	0.579	

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CLBS0088	Barium		0		810	203.8	4.0	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the SW corner of Building 1449 where the GW treatment plant is currently located. A boring log does not appear to be available for this location. The location of this sample needs to be reviewed further.
CLBS2041	Cadmium		0-0.5		0.479	0.435	1.1	0.579	Sample approximately 2 times the criteria.
	Cadmium		0-0.5		0.894	0.435	2.1	0.579	
CLBS2169	Hexavalent chromium		0.5-1.5		1.7	1.13	1.5	1.706	Sample less than 2 times the criteria.
PPBS1025	Antimony		0-1		3.8	2	1.9	0.738	Sample less than 2 times the criteria.
CLBS2083	Benzo(a)pyrene		3.5-4		0.0078	0.005	1.6		Sample less than 2 times the criteria.
CLBS2168	MCPP		0-0.5		3.04	2.7	1.1		Sample less than 2 times the criteria.
PPBS1026	Antimony		0-1		3.5	2	1.8	0.738	Sample less than 2 times the criteria.
	Antimony		0-1		3.9	2	2.0	0.738	
	Antimony		3-4		3.6	2	1.8	0.738	
CLBS2167	Hexavalent chromium		4.5-5.5		1.2	1.13	1.1	1.706	Sample less than 2 times the criteria.
CLBS1048	Manganese	0-1, 4.5-5	8-9		1200	723	1.7	959	Overlying sample less than screening criteria. Sample at depth less than two times the criteria.
CLBS1054	Cobalt		0-1	4-5	54	26.18	2.1	38	Isolated exceedance with field duplicate less than criteria.
CLBS2020	Benzo(a)pyrene		0.5-1.5		0.0065	0.005	1.3		Sample less than 2 time the criteria.
CLBS1215	Cadmium		1-2		0.48	0.435	1.1	0.579	Sample less than 2 times the criteria and less than the USL.
CLBS2071	Hexavalent chromium	0.5-1.5	5-6	9-10	1.4	1.13	1.2	1.706	Isolated exceedance with overlying and underlying samples less than the criteria. Sample is also less than the USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - Perimeter Pond									
PPBS2016	Cadmium		0-0.5		0.496	0.435	1.1	0.579	Sample is isolated and less than 2 times the criteria.
PPBS1051	Selenium	0-0.5	2-2.8		1.7	1.5	1.1	0.896	Shallow sample does not exceed criteria. Deep sample less than 2 times the criteria.
PPBS2003	Aroclor 1254		0-0.5		0.061	0.035	1.7		Sample isolated and less than 2 times the criteria.
	Aroclor 1254		0-0.5		0.04	0.035	1.1		

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - AIBP									
TTBS2005	Chromium		0-0.5		78.5	60.11	1.3	80.85	Less than 2 times the criteria and the split sample does not exced the criteria.
TTBS1047	Cobalt	0-0.5, 4-5	9-10		33	26.18	1.3	38	Overlying samples do not exceed criteria and sample at depth less than the USL.
	Cadmium		0-0.5	4-5, 9-10	0.76	0.435	1.7	0.579	Sample less than 2 times the criteria.
TTBS2053	Manganese		0-0.5		1080	723	1.5	959	Sample less than 2 times the screening criteria.
TTBS3010	Nickel		0-0.5	2.5-3	69.5	64.2	1.1	113	Sample less than 2 times the screening criteria and less than the USL.
TTBS3043	Nickel		0-0.5		73.9	64.2	1.2	113	Sample less than 2 times the screening criteria and less than the USL.
TTBS2060	Manganese	0-0.5	2.5-3		922	723	1.3	959	Overlying sample does not exceed criteria. Sample less than 2 times the criteria and less than the USL.
TTBS1175	Barium		0.5-1		210	203.8	1.0	318.75	Sample less than 2 times the criteria and less than the USL.
	Manganese		0.5-1		880	723	1.2	959	
TTBS1089	Manganese		0-0.5	2-2.5	780	723	1.1	959	Sample less than 2 times the criteria and less than the USL.
TTBS1070	Cobalt	0-0.5	2-3		33.7	26.18	1.3	38	Samples approximately 2 times the criteria or less.
	Manganese		0-0.5		977	723	1.4	959	
	Manganese		2-3		1430	723	2.0	959	
	Nickel	0-0.5	2-3		117	64.2	1.8	113	
TTBS2016	Chromium		0-0.5		79.2	60.11	1.3	80.85	Sample less than 2 times the criteria and less than the USLs.
	Cobalt		0-0.5		29.1	26.18	1.1	38	
	Manganese		0-0.5		729	723	1.0	959	
	Nickel		0-0.5		122	64.2	1.9	113	
TTBS1157	Chromium	0-0.5	4-5		106	60.11	1.8	80.85	Samples approximately 2 times the criteria or less. Surface samples do not exceed criteria.
	Chromium	0-0.5	9-10		85.3	60.11	1.4	80.85	
	Cobalt	0-0.5	4-5	9-10	33.8	26.18	1.3	38	
	Manganese	0-0.5	4-5	9-10	734	723	1.0	959	
	Nickel	0-0.5	4-5		126	64.2	2.0	113	
	Nickel	0-0.5	9-10		96.1	64.2	1.5	113	
	Vanadium	0-0.5	4-5	9-10	120	111.8	1.1	150.6	
TTBS3022	DioxinFuran_TEQ_Mammal		0-0.5		5.31E-06	5E-06	1.1		Sample less than 2 times the criteria. Split sample less than criteria.
TTBS1194	Antimony		0-0.5	0.5-1.5	1.83	2	0.9	0.738	Sample less than 2 times the criteria.
	Selenium	0-0.5	0.5-1.5		5.1	1.5	3.4	0.896	Surface sample less than criteria. Underlying exceedance appears to be isolated.
TTBS1128	Cadmium		0-0.5	4-5, 9.3-10.3	0.66	0.435	1.5	0.579	Sample less than 2 times the criteria.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - CTL-V									
CTBS2105	Selenium	0-0.5	4-5		1.68	1.5	1.1	0.896	Overlying sample less than the criteria. Sample less than 2 times the criteria.
CTBS2045	Nickel		0-0.5	5-6, 9-10	72.8	64.2	1.1	113	Sample less than 2 times the criteria and less than the USL.
CTBS2053	Lead		0-0.4		42.1	39	1.1	42.15	Sample less than 2 times the criteria and less than the USL.
TTBS1222	Cadmium		0-0.5		0.82	0.435	1.9	0.579	Isolated exceednance and sample less than 2 times the criteria.
CTBS3018	Antimony		0-0.5		2.15	2	1.1	0.738	Sample less than 2 times the criteria.
CTBS1033	Antimony		0-0.5		3.9	2	2.0	0.738	Sample less than 2 times the criteria.
CTBS2047	Aroclor 1254		0-0.5		0.038	0.035	1.1		Sample less than 2 times the criteria and isolated.
	Zinc				532	320	1.7	185	

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - ECL									
ECBS1406	Copper		0 - 1		48	42	1.14	102.00	Sample isolated and less than 2 times the criteria.
ECBS1020	Copper		0 - 1		42.8	42	1.02	102.00	Sample isolated and less than 2 times the criteria.
ECBS2055	Arsenic		0.0-0.5		33.4	24.2	1.38	39.70	Sample isolated and less than 2 times the criteria.
ECBS2001	Arsenic		0.0-0.5		24.4	24.2	1.01	39.70	Sample isolated and less than 2 times the criteria.
ECBS2046	Cadmium		0.0-0.5		0.535	0.435	1.23	0.579	Sample isolated and less than 2 times the criteria.
ECTS18S02	Chromium		6.0 - 6.5		60.6	60.11	1.01	80.95	Sample isolated and less than 2 times the criteria.

Rationale for Exclusion

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - Silvernale									
SNBS13	Cobalt		0.0-0.5		32	26.18	1.22	38	Sample isolated and less than 2 times the criteria.
BGSS03	Antimony		0.0-0.5		7.4	2.0	3.70	0.74	Isolated sample of soil pocket in bedrock outcrop area.
	Antimony		1.0-1.0		6.5	2.0	3.25	0.74	Isolated sample of soil pocket in bedrock outcrop area.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - Compound A									
CFBS2039	Cadmium		0-0.5	2.5-3	0.454	0.435	1.04	0.579	Sample less than two times the criteria and less than the USL.
CFBS2034	Nickel		0-0.5	6-7	72.4	64.2	1.13	113	Sample less than two times the criteria and less than the USL.
	Thallium	0-0.5	6-7		0.646	0.629	1.03	0.991	Sample less than two times the criteria and less than the USL.
CFBS2035	Nickel		0-0.5	5-6	84.6	64.2	1.32	113	Sample less than two times the criteria and less than the USL.
	Thallium	0-0.5	5-6		0.668	0.629	1.06	0.991	Sample less than two times the criteria and less than the USL.
D-1-01	TCE		2-2	4-4.5	0.084	0.07	1.20		Sample isolated and less than two times the criteria.
CFBS2075	Lead		0-0.5		42.4	39	1.09	42.15	Sample less than two times the criteria and very close to the USL.
CFBS09	Mercury		0.5-0.5		0.4	0.353	1.13	0.041	Sample isolated and less than two times the criteria.
CFBS2069	Manganese	0-0.5	4-5		972	723	1.34	959	Sample less than two times criteria, no exceed in primary sample, very close to USL.
CFBS2000	Nickel		0-0.5		70.1	64.2	1.09	113	Sample less than two times the criteria and less than the USL.
CFBS2026	Antimony	0-0.5	4-5		3.35	2.0	1.68	0.738	Split exceeds, primary doesn't, sample less than two times the criteria and isolated.
P2TS45	Silver		1.5-2		40.7	29.0	1.40	0.138	Sample isolated and less than two times the criteria.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - EEL									
ELBS1016	Barium	0-1	5-6		230	203.8	1.13	318.75	Sample less than two times the criteria and less than the USL.
ELBS2006	Arsenic		5-6	9-10	26.2	24.2	1.08	39.7	Sample less than two times the criteria and less than the USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - STL-IV									
CFBS3023	Cadmium		0-0.5		0.436	0.435	1.00	0.579	Sample less than two times the criteria and less than the USL.
SLBS1422	Barium	0.5-1	5.5-6		230	203.8	1.13	318.75	Sample less than two times the criteria and less than the USL.
SLBS2081	Cadmium		0-0.5	3.5-4	0.736	0.435	1.69	0.579	Sample less than two times the criteria.
SLBS1054	Nickel		0-1	5-6	66.4	64.2	1.03	113	Sample less than two times the criteria and less than the USL.
SLBS2159	Cadmium		0-0.5		0.529	0.435	1.22	0.579	Sample less than two times the criteria and less than the USL.
SLBS1044	Cadmium		0-1	3.5-4	0.44	0.435	1.01	0.579	Sample less than two times the criteria and less than the USL.
SLBS2157	Molybdenum		0-0.5		2.82	1.642	1.72	2.744	Sample isolated and less than 2 times the criteria.
SLBS1500	Cadmium		0-1		0.46	0.435	1.06	0.579	Sample less than two times the criteria and less than the USL.
SLBS3103	Dixoin TEQ Mammal		0.0-0.5		0.00000658	0.000005	1.32		Sample isolated and less than 2 times the criteria.
SLBS3085	Thallium	0-0.5	5-6		0.641	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.
	Thallium	0-0.5	9-10		0.642	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.
U9BS2005	Thallium	0-0.5	5-6		0.671	0.629	1.07	0.991	Sample less than two times the criteria and less than the USL.
U9BS2000	Thallium		0-0.5		0.639	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 2 - STP-3									
STBS2060	Copper	0-1	4.5-5	5-6	55.4	42	1.32	102	Sample less than two times the criteria and less than the USL.
	Thallium		4.5-5		0.644	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.
STBS2001	Cadmium		0-0.5		0.565	0.435	1.30	0.579	Sample less than two times the criteria and less than the USL.
STBS2051	Nickel		0-0.5		65.1	64.2	1.01	113	Sample less than two times the criteria and less than the USL.
STBS2040	Nickel		0-0.5		69.3	64.2	1.08	113	Sample less than two times the criteria and less than the USL.
	Nickel		2.5-3		69.7	64.2	1.09	113	Sample less than two times the criteria and less than the USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Exclusion Rationale
Scenario 2 - Southern Buffer Zone									
UOFS2137	Molybdenum		0 - 0.5		4.58	1.642	2.79	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOFS1011	Molybdenum		0 - 0.5		3.3	1.642	2.01	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Cadmium		0-0.5		0.5	0.435	1.15	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOFS3101	Molybdenum		0 - 0.5		2.58	1.642	1.57	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOFS3000	Molybdenum		0 - 0.5		3.1	1.642	1.89	2.744	Exceedance less than 2x criteria, may be naturally occurring.
UOBS3020	Molybdenum		0 - 0.5		2.44	1.642	1.49	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3047	Molybdenum		0 - 0.5		3.62	1.642	2.20	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Molybdenum		4.0 -5.0		3.84	1.642	2.34	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3048	Molybdenum		0 - 0.5		3.48	1.642	2.12	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3098	Molybdenum		0 - 0.5		3.94	1.642	2.40	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3097	Molybdenum		0 - 0.5		4.13	1.642	2.52	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOSS1019	Molybdenum		0 - 0.5		1.9	1.642	1.16	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS2032	Cadmium		0 - 0.5	5-6	1.02	0.435	2.34	0.579	Non-operational area that will be assessed further.
UOBS1012	Molybdenum		0 - 0.5		2.2	1.642	1.34	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
BZSS02	Molybdenum		0 - 0.5		2.6	1.642	1.58	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
	Antimony		0-0.5		4.4	2.0	2.20	0.738	Non-operational area that will be assessed further.
UOBS3000	Molybdenum		0 - 0.5		3.04	1.642	1.85	2.744	Exceedance less than 2x criteria, may be naturally occurring.
UOBS3043	Molybdenum		0 - 0.5		4.22	1.642	2.57	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Molybdenum		3-3.5		2.17	1.642	1.32	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
BCSS12	Molybdenum		0 - 0.5		2	1.642	1.22	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3012	Molybdenum		0 - 0.5		2.51	1.642	1.53	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOFS1003	Cadmium		0 - 0.5		0.44	0.435	1.01	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1028	Cadmium		0 - 0.5		0.61	0.435	1.40	0.579	Non-operational area that will be assessed further.
UOBS2022	Cadmium		0 - 0.5		0.729	0.435	1.68	0.579	Non-operational area that will be assessed further.
UOBS1002	Cadmium		0.5 - 1.0	5.5-6	0.48	0.435	1.10	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1008	Cadmium		0 - 0.25		0.45	0.435	1.03	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOFS2055	Cadmium		0 - 1.0		0.489	0.435	1.12	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1013	Cadmium		0 - 0.5		0.45	0.435	1.03	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1037	Cadmium		0 - 0.5		0.445	0.435	1.02	0.579	Exceedance less that 2x criteria, at or below 95 USL, split sample exceeds and primary does not. Non-operational area that will be assessed further.
UOSS1042	Cadmium		0 - 0.5		0.44	0.435	1.01	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
BKND-5	Cadmium		0-0		0.48	0.435	1.10	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
	Thallium		0-0		3.3	0.629	5.25	0.991	Non-operational area that will be assessed further.
UOBS2011	Molybdenum		0-0.5		1.85	1.642	1.13	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS2015	Molybdenum		0-0.5		15.9	1.642	9.68	2.744	Not in or contiguous to known operational area, may be naturally occurring.
BZSS04	Antimony		0-0.5		6.3	2.0	3.15	0.738	Non-operational area that will be assessed further.
SB_TTF_BG-1	Cadmium		0-0.5		2.4	0.435	5.52	0.579	Non-operational area that will be assessed further.
UOFS1005	Antimony		0-0.5		4.9	2.0	2.45	0.738	Non-operational area that will be assessed further.
	Molybdenum		0-0.5		5.8	1.642	3.53	2.744	Field duplicate exceeds, primary does not. Not in or contiguous to known operational area, may be naturally occurring.
	Thallium		0-0.5		0.64	0.629	1.02	0.991	Exceedance is below 95 USL. Field duplicate exceeds, primary does not. Non-operational area that will be assessed further.
UOFS1007	Benzo(a)pyrene		0-0.5		0.045	0.005	9.00		Non-operational area that will be assessed further.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Exclusion Rationale
UOSS1020	Cadmium		0-0.5		0.45	0.435	1.03	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
	Molybdenum		0-0.5		4.9	1.642	2.98	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3084	Molybdenum		0-0.5		3.59	1.642	2.19	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Molybdenum		5-6		2.67	1.642	1.63	2.744	Exceedance in primary, split does not exceed. Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3019	Molybdenum		0-0.5		4.34	1.642	2.64	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3010	Molybdenum		0-0.5		10.7	1.642	6.52	2.744	Not in or contiguous to known operational area, may be naturally occurring.
UOBS3046	Molybdenum		0-0.5		21.1	1.642	12.85	2.744	Not in or contiguous to known operational area, may be naturally occurring.
UOBS2032	Cadmium		0-0.5	5-6	1.02	0.435	2.34	0.579	Non-operational area that will be assessed further.
BCSS09	Cadmium		0-0.5		0.47	0.435	1.08	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
	Thallium		0-0.5		1.9	0.629	3.02	0.991	Non-operational area that will be assessed further.
BZSS03	Antimony		0-0.5		7.4	2.0	3.70	0.738	Non-operational area that will be assessed further.
	Antimony		1-1		8.7	2.0	4.35	0.738	Non-operational area that will be assessed further.
UOBS1013	Cadmium		0-0.5		0.56	0.435	1.29	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.

Appendix C

Supporting Documentation for Scenario 3

Appendix C

Supporting Documentation for Scenario 3

Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
A1TS21	1A North	AILF	A1LF-3-S1	1321	10.00	489.2				10.50	513.7		
A1TS23	1A North	AILF	A1LF-3-S1	906	10.00	335.5				10.50	352.3		
A1TS22	1A North	AILF	A1LF-3-S1	1347	10.00	498.7				10.50	523.7		
A1TS33	1A North	AILF	A1LF-3-S1	2249	10.00	833.0				10.50	874.7		
A1TS01	1A North	AILF	A1LF-3-S1	1654	10.00	612.6				10.50	643.2		
A1TS02	1A North	AILF	A1LF-3-S1	3393	10.00	1,256.5				10.50	1,319.3		
A1TS25	1A North	AILF	A1LF-3-S1	2708	10.00	1,003.0				10.50	1,053.1		
A1TS13	1A North	AILF	A1LF-3-S1	3440	10.00	1,274.0				10.50	1,337.7		
A1BS0051	1A North	AILF	A1LF-3-S1	673	10.00	249.3				10.50	261.7		
B-1-01	1A North	AILF	A1LF-3-S1	383	10.00	141.9				10.50	149.0		
A1BS0113	1A North	AILF	A1LF-3-S1	386	10.00	142.9				10.50	150.1		
A1BS06	1A North	AILF	A1LF-3-S1	714	10.00	264.6				10.50	277.8		
A1BS0086	1A North	AILF	A1LF-3-S1	1030	10.00	381.6				10.50	400.6		
A1BS0101	1A North	AILF	A1LF-3-S1	168	10.00	62.1				10.50	65.2		
B-1-02	1A North	AILF	A1LF-3-S1	1669	10.00	618.2				10.50	649.1		
A1TS06	1A North	AILF	A1LF-3-S1	1487	10.00	550.7				10.50	578.3		
A1TS08	1A North	AILF	A1LF-3-S1	1911	10.00	707.9				10.50	743.3		
A1BS03	1A North	AILF	A1LF-3-S1	3023	10.00	1,119.8				10.50	1,175.8		
A1BS0044	1A North	AILF	A1LF-3-S1	2179	10.00	806.9				10.50	847.2		
A1BS01	1A North	AILF	A1LF-3-S1	2420	10.00	896.4				10.50	941.2		
A1TS03	1A North	AILF	A1LF-3-S1	5222	10.00	1,934.1				10.50	2,030.8		
A1BS11	1A North	AILF	A1LF-3-S1	4182	10.00	1,548.8				10.50	1,626.2		
A1BS0034	1A North	AILF	A1LF-3-S1	5140	10.00	1,903.6				10.50	1,998.8		
A1TS11	1A North	AILF	A1LF-3-S1	1497	10.00	554.5				10.50	582.2		
A1TS44	1A North	AILF	A1LF-3-S1	1837	10.00	680.2				10.50	714.3		
A1BS0061	1A North	AILF	A1LF-3-S1	1843	10.00	682.6				10.50	716.8		
A1TS14	1A North	AILF	A1LF-3-S1	2011	10.00	745.0				10.50	782.2		
A1TS17	1A North	AILF	A1LF-3-S1	3145	10.00	1,164.8				10.50	1,223.1		
A1TS50	1A North	AILF	A1LF-3-S1	1206	10.00	446.8				10.50	469.1		
A1TS34	1A North	AILF	A1LF-3-S1	2732	10.00	1,011.8				10.50	1,062.4		
A1TS41	1A North	AILF	A1LF-3-S1	1321	10.00	489.3				10.50	513.7		
A1TS38	1A North	AILF	A1LF-3-S1	1277	10.00	473.0				10.50	496.7		
A1TS43	1A North	AILF	A1LF-3-S1	1336	10.00	494.7				10.50	519.4		
A1TS26	1A North	AILF	A1LF-3-S1	1787	10.00	661.9				10.50	695.0		
A1TS31	1A North	AILF	A1LF-3-S1	1894	10.00	701.5				10.50	736.6		
A1TS30	1A North	AILF	A1LF-3-S1	2152	10.00	797.2				10.50	837.1		
A1TS0057A	1A North	AILF	A1LF-3-S1	1977	10.00	732.4				10.50	769.0		
A1TS24	1A North	AILF	A1LF-3-S1	943	10.00	349.4				10.50	366.9		
A1TS0058A	1A North	AILF	A1LF-3-S1	2352	10.00	871.0				10.50	914.5		
A1LT37	1A North	AILF	A1LF-3-S1	278	10.00	102.8				10.50	108.0		
A1TS39	1A North	AILF	A1LF-3-S1	1987	10.00	735.7				10.50	772.5		
A1TS37	1A North	AILF	A1LF-3-S1	858	10.00	317.8				10.50	333.7		
A1TS40	1A North	AILF	A1LF-3-S1	595	10.00	220.3				10.50	231.4		
A1BS0059	1A North	AILF	A1LF-3-S1	811	10.00	300.2				10.50	315.2		
A1TS32	1A North	AILF	A1LF-3-S1	955	10.00	353.6				10.50	371.3		

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A1TS28	1A North	AILF	A1LF-3-S1	1117	10.00	413.7	122348.9	45314.4		10.50	434.4	47,580.1	
A1BS1008	1A North	AILF	A1LF-3-S1	1457	10.00	539.7				10.50	566.7		
A1TS18	1A North	AILF	A1LF-3-S1	1248	10.00	462.4				10.50	485.5		
A1TS15	1A North	AILF	A1LF-3-S1	2146	10.00	795.0				10.50	834.7		
A1LT16	1A North	AILF	A1LF-3-S1	583	10.00	216.0				10.50	226.8		
A1TS20	1A North	AILF	A1LF-3-S1	1433	10.00	530.8				10.50	557.3		
A1TS16	1A North	AILF	A1LF-3-S1	788	10.00	291.7				10.50	306.3		
A1BS0060	1A North	AILF	A1LF-3-S1	831	10.00	307.7				10.50	323.1		
A1TS55S01	1A North	AILF	A1LF-3-S1	1429	10.00	529.4				10.50	555.8		
A1TS36	1A North	AILF	A1LF-3-S1	924	10.00	342.1			50,546.0	10.50	359.2		53,373.1
A1TS35	1A North	AILF	A1LF-3-S1	1270	10.00	470.2				10.50	493.7		
A1TS49	1A North	AILF	A1LF-3-S1	1012	10.00	374.6				10.50	393.4		
A1TS48	1A North	AILF	A1LF-3-S1	2227	10.00	824.9				10.50	866.1		
A1TS45	1A North	AILF	A1LF-3-S1	1882	10.00	697.0				10.50	731.9		
A1TS52S01	1A North	AILF	A1LF-3-S1	1207	10.00	447.0				10.50	469.4		
A1BS0062	1A North	AILF	A1LF-3-S1	1527	10.00	565.4				10.50	593.7		
A1BS0053	1A North	AILF	A1LF-3-S1	1635	10.00	605.6				10.50	635.9		
A1TS09	1A North	AILF	A1LF-3-S1	1469	10.00	544.0				10.50	571.2		
A1BS10	1A North	AILF	A1LF-3-S1	277	10.00	102.5				10.50	107.6		
B-1-03	1A North	AILF	A1LF-3-S1	755	10.00	279.5				10.50	293.4		
A1BS0102	1A North	AILF	A1LF-3-S1	153	10.00	56.7				10.50	59.5		
A1BS0099	1A North	AILF	A1LF-3-S1	371	10.00	137.3				10.50	144.2		
A1BS0098	1A North	AILF	A1LF-3-S1	158	10.00	58.4				10.50	61.3		
A1BS0097	1A North	AILF	A1LF-3-S1	165	10.00	61.1				10.50	64.2		
A1BS0092	1A North	AILF	A1LF-3-S1	496	10.00	183.7				10.50	192.9		
A1BS0091	1A North	AILF	A1LF-3-S1	470	10.00	173.9				10.50	182.6		
A1BS09	1A North	AILF	A1LF-3-S1	136	10.00	50.2				10.50	52.8		
A1BS08	1A North	AILF	A1LF-3-S1	254	10.00	94.0				10.50	98.7		
A1BS0093	1A North	AILF	A1LF-3-S1	1038	10.00	384.4				10.50	403.6		
A1BS0114	1A North	AILF	A1LF-3-S1	1188	10.00	440.2				10.50	462.2		
A1BS0085	1A North	AILF	A1LF-3-S1	432	10.00	159.9				10.50	167.9		
A1BS0045	1A North	AILF	A1LF-3-S1	723	10.00	267.7				10.50	281.0		
A1BS0050	1A North	AILF	A1LF-3-S1	309	10.00	114.5				10.50	120.3		
A1BS07	1A North	AILF	A1LF-3-S1	245	10.00	90.6				10.50	95.1		
A1BS0083	1A North	AILF	A1LF-3-S1	372	10.00	137.9				10.50	144.8		
A1BS0079	1A North	AILF	A1LF-3-S1	265	10.00	98.3				10.50	103.2		
A1BS0077	1A North	AILF	A1LF-3-S1	82	10.00	30.2				10.50	31.7		
A1BS0052	1A North	AILF	A1LF-3-S1	368	10.00	136.2				10.50	143.0		
A1BS0074	1A North	AILF	A1LF-3-S1	313	10.00	116.0				10.50	121.8		
A1BS0073	1A North	AILF	A1LF-3-S1	89	10.00	33.1				10.50	34.8		
A1BS05	1A North	AILF	A1LF-3-S1	164	10.00	60.6				10.50	63.6		
A1BS0068	1A North	AILF	A1LF-3-S1	343	10.00	127.1				10.50	133.5		
A1BS04	1A North	AILF	A1LF-3-S1	565	10.00	209.3				10.50	219.7		
A1TS19	1A North	AILF	A1LF-3-S1	1492	10.00	552.6				10.50	580.2		
A1TS27	1A North	AILF	A1LF-3-S1	934	10.00	345.9				10.50	363.2		

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A1TS05	1A North	AILF	A1LF-3-S1	3611	10.00	1,337.3				10.50	1,404.2		
A1BS1021	1A North	AILF	A1LF-3-S2	1623	11.00	661.0				11.50	691.1		
A1BS1010	1A North	AILF	A1LF-3-S2	3716	2.50	344.1				3.00	412.9		
A1BS1007	1A North	AILF	A1LF-3-S2	3785	6.00	841.0	17539.5	3564.5		6.50	911.1	3,889.3	
A1BS1006	1A North	AILF	A1LF-3-S2	2796	1.50	155.3				2.00	207.1		
A1BS1003	1A North	AILF	A1LF-3-S2	1378	6.00	306.3				6.50	331.8		
ILBS1097	1A North	AILF	A1LF-3-S2	4241	8.00	1,256.7				8.50	1,335.2		
A1BS1019	1A North	AILF	A1LF-3-S3	5711	5.00	1,057.6	5711.0	1057.6		5.50	1,163.3	1,163.3	
ILBS1096	1A North	AILF	A1LF-3-S4	179	1.50	10.0				2.00	13.3		
A1TS07	1A North	AILF	A1LF-3-S4	2189	3.00	243.3	2499.5	277.4		3.50	283.8	323.7	
A1TS10	1A North	AILF	A1LF-3-S4	131	5.00	24.2				5.50	26.6		
A1BS1009	1A North	AILF	A1LF-3-S6	507	5.00	93.9				5.50	103.2		
ENBS0102	1A North	AILF	A1LF-3-S6	200	1.50	11.1				2.00	14.8		
A1BS1020	1A North	AILF	A1LF-3-S6	328	1.50	18.2	1711.5	166.1		2.00	24.3	197.8	
ENBS0105	1A North	AILF	A1LF-3-S6	389	1.50	21.6				2.00	28.8		
ENBS0037	1A North	AILF	A1LF-3-S6	287	2.00	21.3				2.50	26.6		
EPTWBS09S070	1A North	AILF	A1LF-3-S9	401	2.00	29.7	401.2	29.7		2.50	37.1	37.1	
A1BS1005	1A North	AILF	A1LF-3-S8	1171	1.50	65.0	2452.4	136.2		2.00	86.7	181.7	
A1BS1004	1A North	AILF	A1LF-3-S8	1282	1.50	71.2				2.00	95.0		
BGSS01	1A North	B-1	B1-3-S1	79	1.50	4.4	78.5	4.4		2.00	5.8	5.8	
B1BS1021	1A North	B-1	B1-3-S10	707	1.50	39.3	706.8	39.3		2.00	52.4	52.4	
B1BS1011	1A North	B-1	B1-3-S11	252	15.00	139.9				15.50	144.6		
B1BS1015	1A North	B-1	B1-3-S11	1443	1.50	80.2	2665.6	372.3		2.00	106.9	421.7	
B1BS1144	1A North	B-1	B1-3-S11	481	6.00	106.9				6.50	115.8		
B1BS1014	1A North	B-1	B1-3-S11	489	2.50	45.3				3.00	54.4		
B1BS1114	1A North	B-1	B1-3-S12	790	1.50	43.9	790.2	43.9		2.00	58.5	58.5	
B1BS1022	1A North	B-1	B1-3-S13	1064	7.00	275.9				7.50	295.6		
B1BS1024	1A North	B-1	B1-3-S13	693	11.00	282.2	2294.1	717.3		11.50	295.0	759.8	
B1BS04	1A North	B-1	B1-3-S13	537	8.00	159.2				8.50	169.2		
B1BS25	1A North	B-1	B1-3-S14	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
B1BS02	1A North	B-1	B1-3-S15	156	7.00	40.5				7.50	43.4		
B1-9	1A North	B-1	B1-3-S15	82	7.50	22.8				8.00	24.3		
SB_B351-9	1A North	B-1	B1-3-S15	364	7.50	101.2	1095.2	250.1		8.00	107.9	270.4	
B1BS1005	1A North	B-1	B1-3-S15	389	3.00	43.2				3.50	50.4		
B1BS0056	1A North	B-1	B1-3-S15	104	11.00	42.4				11.50	44.3		
B1BS1106	1A North	B-1	B1-3-S16	2320	2.50	214.8				3.00	257.8		
B1BS1108	1A North	B-1	B1-3-S16	1779	7.00	461.3				7.50	494.2		
B1BS1104	1A North	B-1	B1-3-S16	2729	4.50	454.8				5.00	505.3		
B1BS1109	1A North	B-1	B1-3-S16	2475	7.00	641.6	15906.7	2820.8		7.50	687.4	3,115.3	
B1BS1105	1A North	B-1	B1-3-S16	2806	7.00	727.5				7.50	779.5		
B1BS1167	1A North	B-1	B1-3-S16	2686	2.50	248.7				3.00	298.5		
B1BS0048	1A North	B-1	B1-3-S16	1111	1.75	72.0				2.25	92.6		
B1BS1211	1A North	B-1	B1-3-S17	504	11.00	205.2				11.50	214.5		
B1BS1107	1A North	B-1	B1-3-S17	2040	5.00	377.7	5453.2	918.2		5.50	415.5	1,019.1	
B1BS1165	1A North	B-1	B1-3-S17	2515	2.50	232.9				3.00	279.4		

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B1BS1103	1A North	B-1	B1-3-S17	395	7.00	102.4				7.50	109.7		
B1BS1170	1A North	B-1	B1-3-S18	930	1.50	51.7	929.8	51.7		2.00	68.9	68.9	
B1BS1166	1A North	B-1	B1-3-S19	1604	1.50	89.1	1603.9	89.1	9,818.7	2.00	118.8	118.8	10,842.9
B1TS0012	1A North	B-1	B1-3-S20	1645	6.00	365.7	1645.5	365.7		6.50	396.1	396.1	
B1BS0074	1A North	B-1	B1-3-S21	435	2.00	32.2	1168.8	100.2		2.50	40.3	121.8	
B1BS1012	1A North	B-1	B1-3-S21	734	2.50	68.0				3.00	81.5		
B1BS1060	1A North	B-1	B1-3-S22	1402	2.50	129.8	4521.1	938.5		3.00	155.8	1,022.2	
B1BS1062	1A North	B-1	B1-3-S22	3119	7.00	808.7				7.50	866.4		
B1BS1073	1A North	B-1	B1-3-S23	1962	2.50	181.7	1962.5	181.7		3.00	218.1	218.1	
B1BS1204	1A North	B-1	B1-3-S24	170	1.50	9.5	170.3	9.5		2.00	12.6	12.6	
B1BS1040	1A North	B-1	B1-3-S25	634	1.50	35.2				2.00	47.0		
B1BS1140	1A North	B-1	B1-3-S25	275	1.50	15.3	1107.5	61.5		2.00	20.4	82.0	
B1BS1139	1A North	B-1	B1-3-S25	198	1.50	11.0				2.00	14.7		
B1BS1049	1A North	B-1	B1-3-S26	227	1.30	10.9	227.4	10.9		1.80	15.2	15.2	
B1BS1071	1A North	B-1	B1-3-S27	3477	7.00	901.3	3476.6	901.3		7.50	965.7	965.7	
B1BS1183	1A North	B-1	B1-3-S28	101	11.00	41.0	401.0	152.2		11.50	42.9	159.7	
B1BS1159	1A North	B-1	B1-3-S28	300	10.00	111.2				10.50	116.8		
B1BS1085	1A North	B-1	B1-3-S29	196	2.50	18.1	195.7	18.1		3.00	21.7	21.7	
B1BS1084	1A North	B-1	B1-3-S3	79	2.50	7.3	78.5	7.3		3.00	8.7	8.7	
B1BS0073	1A North	B-1	B1-3-S30	227	2.00	16.8	227.0	16.8		2.50	21.0	21.0	
B1BS0055	1A North	B-1	B1-3-S31	369	6.00	82.0	369.0	82.0		6.50	88.8	88.8	
B1BS1086	1A North	B-1	B1-3-S32	4810	7.00	1246.9	4809.5	1246.9		7.50	1,336.0	1,336.0	
1574	1A North	B-1	B1-3-S38	399	1.00	14.79	399.3	14.8		1.50	22.2	22.2	
B1BS1069	1A North	B-1	B1-3-S4	463	2.50	42.9	463.4	42.9		3.00	51.5	51.5	
B1BS1041	1A North	B-1	B1-3-S5	401	2.50	37.1	401.1	37.1		3.00	44.6	44.6	
B1BS1117	1A North	B-1	B1-3-S6	537	1.50	29.8	537.2	29.8		2.00	39.8	39.8	
B1ET0682	1A North	B-1	B1-3-S7	113	2.00	8.4	113.2	8.4		2.50	10.5	10.5	
B1ET0590	1A North	B-1	B1-3-S8	214	2.50	19.9	401.0	40.6		3.00	23.8	48.0	
B1BS1128	1A North	B-1	B1-3-S8	187	3.00	20.7				3.50	24.2		
B1-19	1A North	B-1	B1-3-S9	365	8.00	108.2	706.7	215.7		8.50	115.0	228.8	
SB_B351-19	1A North	B-1	B1-3-S9	342	8.50	107.5				9.00	113.8		
ILBS1510	1A North	IEL	IEL-3-S1	1613	1.50	89.6	2313.4	206.4		2.00	119.5	249.2	
ILBS1525	1A North	IEL	IEL-3-S1	701	4.50	116.8				5.00	129.7		
NDTC0085	1A North	IEL	IEL-3-S10	65	2.50	6.0				3.00	7.3		
NDTC0130	1A North	IEL	IEL-3-S10	98	2.00	7.2				2.50	9.1		
NDTC0129	1A North	IEL	IEL-3-S10	142	2.00	10.5	754.6	48.8		2.50	13.2	62.8	
NDTC0086	1A North	IEL	IEL-3-S10	232	1.50	12.9				2.00	17.2		
NDTC0084	1A North	IEL	IEL-3-S10	218	1.50	12.1				2.00	16.1		
ILBS0157	1A North	IEL	IEL-3-S101	723	2.00	53.6	723.0	53.6		2.50	66.9	66.9	
NDET5030	1A North	IEL	IEL-3-S11	249	1.50	13.8	313.9	17.4		2.00	18.5	23.3	
NDET5029	1A North	IEL	IEL-3-S11	65	1.50	3.6				2.00	4.8		
ILBS1408	1A North	IEL	IEL-3-S118	79	3.50	10.2	78.5	10.2		4.00	11.6	11.6	
ILBS1174	1A North	IEL	IEL-3-S12	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
ILBS1172	1A North	IEL	IEL-3-S13	401	6.00	89.1	401.2	89.1		6.50	96.6	96.6	
ILBS1273	1A North	IEL	IEL-3-S130	1580	1.50	87.8				2.00	117.1		

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ILBS1272	1A North	IEL	IEL-3-S130	2359	4.00	349.4				4.50	393.1		
ILBS1270	1A North	IEL	IEL-3-S130	1712	4.00	253.6	8729.9	1113.9		4.50	285.3	1,275.6	
ILBS1271	1A North	IEL	IEL-3-S130	1763	2.00	130.6				2.50	163.2		
NDTC0099	1A North	IEL	IEL-3-S130	1316	6.00	292.5				6.50	316.9		
NDTC0131	1A North	IEL	IEL-3-S131	380	2.50	35.2	379.7	35.2		3.00	42.2	42.2	
ILBS1267	1A North	IEL	IEL-3-S132	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
ILBS1303	1A North	IEL	IEL-3-S133	498	1.50	27.7	498.3	27.7		2.00	36.9	36.9	
1163	1A North	IEL	IEL-3-S134	3578	1.00	132.53	3578.4	132.5		1.50	198.8	198.8	
NDET5026	1A North	IEL	IEL-3-S135	1904	1.50	105.8				2.00	141.0		
NDET5023	1A North	IEL	IEL-3-S135	425	1.50	23.6				2.00	31.5		
NDET5028	1A North	IEL	IEL-3-S135	4485	1.50	249.2	10794.7	599.7		2.00	332.3	799.6	
NDET5027	1A North	IEL	IEL-3-S135	994	1.50	55.2				2.00	73.6		
NDET5025	1A North	IEL	IEL-3-S135	1621	1.50	90.1				2.00	120.1		
NDET5024	1A North	IEL	IEL-3-S135	1365	1.50	75.9				2.00	101.1		
ILST1000	1A North	IEL	IEL-3-S136	345	2.00	25.6	345.0	25.6		2.50	31.9	31.9	
NDTC0080	1A North	IEL	IEL-3-S137	1369	1.50	76.1				2.00	101.4		
ILBS1257	1A North	IEL	IEL-3-S137	2081	1.50	115.6				2.00	154.2		
NDET5019	1A North	IEL	IEL-3-S137	857	1.50	47.6				2.00	63.5		
NDTC0083	1A North	IEL	IEL-3-S137	1644	4.00	243.6	8093.2	615.2		4.50	274.1	765.1	
NDTC0082	1A North	IEL	IEL-3-S137	674	2.00	49.9				2.50	62.4		
NDTC0081	1A North	IEL	IEL-3-S137	22	2.50	2.1				3.00	2.5		
NDTC0079	1A North	IEL	IEL-3-S137	158	1.50	8.8				2.00	11.7		
NDET5020	1A North	IEL	IEL-3-S137	1288	1.50	71.5				2.00	95.4		
NDET5014	1A North	IEL	IEL-3-S138	684	1.50	38.0				2.00	50.6		
ILBS1520	1A North	IEL	IEL-3-S138	381	1.50	21.2				2.00	28.2		
NDET5013	1A North	IEL	IEL-3-S138	782	1.50	43.4				2.00	57.9		
ILBS1311	1A North	IEL	IEL-3-S138	1906	1.50	105.9	5219.5	290.0		2.00	141.2	386.6	
NDET5016	1A North	IEL	IEL-3-S138	215	1.50	12.0				2.00	15.9		
ILBS1535	1A North	IEL	IEL-3-S138	731	1.50	40.6				2.00	54.2		
NDET5012	1A North	IEL	IEL-3-S138	378	1.50	21.0				2.00	28.0		
NDET5011	1A North	IEL	IEL-3-S138	142	1.50	7.9				2.00	10.5		
NDET5005	1A North	IEL	IEL-3-S139	565	1.50	31.4				2.00	41.8		
NDET5006	1A North	IEL	IEL-3-S139	2642	1.50	146.8	4050.6	225.0		2.00	195.7	300.0	
NDET5007	1A North	IEL	IEL-3-S139	844	1.50	46.9				2.00	62.5		
ILBS1315	1A North	IEL	IEL-3-S14	398	1.50	22.1	661.6	36.8		2.00	29.5	49.0	
ILBS1317	1A North	IEL	IEL-3-S14	264	1.50	14.6				2.00	19.5		
A1BS14	1A North	IEL	IEL-3-S140	2599	1.50	144.4	2598.6	144.4		2.00	192.5	192.5	
ILBS1195	1A North	IEL	IEL-3-S141	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
ILBS1479	1A North	IEL	IEL-3-S142	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
ILBS1179	1A North	IEL	IEL-3-S143	80	1.50	4.4	79.8	4.4		2.00	5.9	5.9	
1380	1A North	IEL	IEL-3-S145	576	1.10	23.48	576.4	23.5		1.60	34.2	34.2	
1383	1A North	IEL	IEL-3-S146	149	1.10	6.06	148.7	6.1		1.60	8.8	8.8	
1388	1A North	IEL	IEL-3-S148	1927	1.10	78.49	1926.5	78.5		1.60	114.2	114.2	
NDET4037	1A North	IEL	IEL-3-S15	735	2.00	54.5				2.50	68.1		
NDET4035	1A North	IEL	IEL-3-S15	564	2.00	41.8	1567.3	116.1		2.50	52.3	145.1	

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ILBS1223	1A North	IEL	IEL-3-S15	267	2.00	19.8				2.50	24.8		
NDTC0023	1A North	IEL	IEL-3-S16	71	1.50	4.0				2.00	5.3		
NDTC0021	1A North	IEL	IEL-3-S16	162	1.50	9.0	361.3	20.1		2.00	12.0	26.8	
NDTC0020	1A North	IEL	IEL-3-S16	128	1.50	7.1				2.00	9.5		
ILBS1244	1A North	IEL	IEL-3-S17	256	1.50	14.2				2.00	19.0		
NDTC0191	1A North	IEL	IEL-3-S17	120	1.50	6.7	762.4	42.4		2.00	8.9	56.5	
NDTC0106	1A North	IEL	IEL-3-S17	387	1.50	21.5				2.00	28.6		
NDTC0195	1A North	IEL	IEL-3-S18	428	1.50	23.8	428.4	23.8		2.00	31.7	31.7	
NDTC0118	1A North	IEL	IEL-3-S19	457	2.50	42.3				3.00	50.7		
ILBS1219	1A North	IEL	IEL-3-S19	414	1.50	23.0				2.00	30.7		
NDET5001	1A North	IEL	IEL-3-S19	748	1.50	41.5				2.00	55.4		
NDTC0117	1A North	IEL	IEL-3-S19	335	2.50	31.0	3324.4	250.3		3.00	37.3	311.9	
NDTC0030	1A North	IEL	IEL-3-S19	425	3.00	47.2				3.50	55.0		
NDTC0110	1A North	IEL	IEL-3-S19	114	1.50	6.3				2.00	8.5		
NDET4041	1A North	IEL	IEL-3-S19	685	2.00	50.7				2.50	63.4		
NDTC0063	1A North	IEL	IEL-3-S19	147	1.50	8.2				2.00	10.9		
ILBS1298	1A North	IEL	IEL-3-S2	1160	1.50	64.4	1905.7	105.9		2.00	85.9	141.2	
ILBS1299	1A North	IEL	IEL-3-S2	746	1.50	41.4				2.00	55.2		
ILBS1196	1A North	IEL	IEL-3-S20	314	1.50	17.5	314.1	17.5		2.00	23.3	23.3	
NDET4045	1A North	IEL	IEL-3-S21	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
ILBS1533	1A North	IEL	IEL-3-S23	526	1.50	29.2	1345.7	74.8		2.00	39.0	99.7	
ILBS1516	1A North	IEL	IEL-3-S23	820	1.50	45.5				2.00	60.7		
ILBS1256	1A North	IEL	IEL-3-S25	322	1.50	17.9	322.3	17.9		2.00	23.9	23.9	
NDET4031	1A North	IEL	IEL-3-S26	417	2.00	30.9				2.50	38.6		
NDET2014	1A North	IEL	IEL-3-S26	645	6.00	143.3				6.50	155.3		
NDET4032	1A North	IEL	IEL-3-S26	442	2.00	32.8	2771.4	277.4		2.50	40.9	328.7	
NDET2021	1A North	IEL	IEL-3-S26	533	1.50	29.6				2.00	39.5		
NDET4076	1A North	IEL	IEL-3-S26	367	1.50	20.4				2.00	27.2		
NDET1026	1A North	IEL	IEL-3-S26	367	1.50	20.4				2.00	27.2		
NDET4026	1A North	IEL	IEL-3-S27	361	2.00	26.7	749.8	55.5		2.50	33.4	69.4	
NDET4027	1A North	IEL	IEL-3-S27	389	2.00	28.8				2.50	36.0		
NDTC0067	1A North	IEL	IEL-3-S28	101	1.50	5.6				2.00	7.5		
ILBS90	1A North	IEL	IEL-3-S28	353	4.00	52.2				4.50	58.8		
ILBS1205	1A North	IEL	IEL-3-S28	367	6.00	81.6	992.0	148.9		6.50	88.4	167.3	
NDTC0070	1A North	IEL	IEL-3-S28	77	1.50	4.3				2.00	5.7		
NDTC0068	1A North	IEL	IEL-3-S28	94	1.50	5.2				2.00	7.0		
ILBS1253	1A North	IEL	IEL-3-S29	317	1.50	17.6	316.6	17.6		2.00	23.5	23.5	
ILBK06	1A North	IEL	IEL-3-S3	259	1.50	14.4				2.00	19.2		
ILBK05	1A North	IEL	IEL-3-S3	239	1.50	13.3				2.00	17.7		
ILBS1018	1A North	IEL	IEL-3-S3	270	2.00	20.0	1514.2	89.1		2.50	25.0	117.2	
ILBS78	1A North	IEL	IEL-3-S3	284	1.50	15.8				2.00	21.0		
ILBS76	1A North	IEL	IEL-3-S3	260	1.50	14.4				2.00	19.3		
ILBS67	1A North	IEL	IEL-3-S3	201	1.50	11.2				2.00	14.9		
NDET2018	1A North	IEL	IEL-3-S30	100	1.50	5.6	401.1	22.3		2.00	7.4	29.7	
NDET2024	1A North	IEL	IEL-3-S30	301	1.50	16.7				2.00	22.3		

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NDTC0124	1A North	IEL	IEL-3-S31	108	2.50	10.0	314.0	29.1		3.00	12.0	34.9	
NDTC0123	1A North	IEL	IEL-3-S31	206	2.50	19.1				3.00	22.9		
ILBS06	1A North	IEL	IEL-3-S32	371	7.00	96.2	9307.1	1588.9		7.50	103.1	1,761.3	
ILBS19	1A North	IEL	IEL-3-S32	1289	7.00	334.2				7.50	358.1		
ILBS0261	1A North	IEL	IEL-3-S32	465	3.00	51.7				3.50	60.3		
ILBS0173	1A North	IEL	IEL-3-S32	720	6.50	173.4				7.00	186.7		
ILBS41	1A North	IEL	IEL-3-S32	606	1.50	33.7				2.00	44.9		
ILBS0262	1A North	IEL	IEL-3-S32	453	4.50	75.5				5.00	83.9		
ILBS30	1A North	IEL	IEL-3-S32	859	2.50	79.5				3.00	95.4		
ILBS20	1A North	IEL	IEL-3-S32	407	4.00	60.4				4.50	67.9		
ILBS1125	1A North	IEL	IEL-3-S32	450	2.50	41.6				3.00	50.0		
ILBS36	1A North	IEL	IEL-3-S32	606	10.00	224.6				10.50	235.8		
ILBS1038	1A North	IEL	IEL-3-S32	857	1.50	47.6				2.00	63.5		
B-14-02	1A North	IEL	IEL-3-S32	306	1.50	17.0				2.00	22.7		
B-14-01	1A North	IEL	IEL-3-S32	641	1.50	35.6				2.00	47.5		
ILBS23	1A North	IEL	IEL-3-S32	680	3.00	75.6				3.50	88.2		
UT-37-S4	1A North	IEL	IEL-3-S32	595	11.00	242.3				11.50	253.3		
ILBS1252	1A North	IEL	IEL-3-S33	122	4.50	20.4	122.2	20.4		5.00	22.6	22.6	
ILBS1209	1A North	IEL	IEL-3-S34	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
ILBS1046	1A North	IEL	IEL-3-S35	539	1.50	29.9	538.6	29.9		2.00	39.9	39.9	
NDTC0108	1A North	IEL	IEL-3-S36	166	2.50	15.4	2110.9	146.1		3.00	18.5	185.2	
NDTC0109	1A North	IEL	IEL-3-S36	291	2.50	26.9				3.00	32.3		
NDTC0194	1A North	IEL	IEL-3-S36	139	1.50	7.7				2.00	10.3		
NDTC0111	1A North	IEL	IEL-3-S36	322	2.50	29.9				3.00	35.8		
ILBS1243	1A North	IEL	IEL-3-S36	1193	1.50	66.3				2.00	88.4		
NDBS0100	1A North	IEL	IEL-3-S37	845	1.50	47.0	7713.6	428.5		2.00	62.6	571.4	
ILBS1238	1A North	IEL	IEL-3-S37	1815	1.50	100.8				2.00	134.5		
ILBS1236	1A North	IEL	IEL-3-S37	1097	1.50	61.0				2.00	81.3		
NDTC0200	1A North	IEL	IEL-3-S37	227	1.50	12.6				2.00	16.8		
ILBS1239A	1A North	IEL	IEL-3-S37	536	1.50	29.8				2.00	39.7		
ILBS1240	1A North	IEL	IEL-3-S37	2722	1.50	151.2				2.00	201.6		
ILBS1239	1A North	IEL	IEL-3-S37	471	1.50	26.1				2.00	34.9		
ILBS1246	1A North	IEL	IEL-3-S38	1306	1.50	72.6	5284.1	308.5		2.00	96.8	406.3	
NDTC0011D	1A North	IEL	IEL-3-S38	251	1.75	16.3				2.25	20.9		
NDTC0011B	1A North	IEL	IEL-3-S38	505	1.75	32.8				2.25	42.1		
ILBS1245	1A North	IEL	IEL-3-S38	2696	1.50	149.8				2.00	199.7		
NDTC0011E	1A North	IEL	IEL-3-S38	366	1.75	23.8				2.25	30.5		
NDTC0011C	1A North	IEL	IEL-3-S38	93	1.75	6.0				2.25	7.7		
NDTC0011A	1A North	IEL	IEL-3-S38	66	3.00	7.3				3.50	8.5		
NDTC0198	1A North	IEL	IEL-3-S39	312	1.50	17.3	2024.5	112.5		2.00	23.1	150.0	
ILBS1241A	1A North	IEL	IEL-3-S39	380	1.50	21.1				2.00	28.2		
NDTC0199	1A North	IEL	IEL-3-S39	348	1.50	19.4				2.00	25.8		
NDTC0064	1A North	IEL	IEL-3-S39	315	1.50	17.5				2.00	23.3		
ILBS1242	1A North	IEL	IEL-3-S39	380	1.50	21.1				2.00	28.1		
ILBS1241	1A North	IEL	IEL-3-S39	289	1.50	16.1				2.00	21.4		

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NDTC0104	1A North	IEL	IEL-3-S4	1418	3.50	183.9				4.00	210.1		
NDTC0103	1A North	IEL	IEL-3-S4	346	2.00	25.6	3003.0	324.2		2.50	32.0	379.8	
NDTC0102	1A North	IEL	IEL-3-S4	1239	2.50	114.7				3.00	137.6		
B1BS1093	1A North	IEL	IEL-3-S40	506	1.50	28.1				2.00	37.5		
ILBS1040	1A North	IEL	IEL-3-S40	384	11.00	156.3	2033.0	461.1		11.50	163.4	498.7	
ILBS1043	1A North	IEL	IEL-3-S40	609	7.00	157.9				7.50	169.2		
ILTS1006	1A North	IEL	IEL-3-S40	535	6.00	118.8				6.50	128.7		
ILBS1247	1A North	IEL	IEL-3-S41	427	1.50	23.7	427.2	23.7		2.00	31.6	31.6	
ILBS1228	1A North	IEL	IEL-3-S42	715	1.50	39.7				2.00	53.0		
NDET2001	1A North	IEL	IEL-3-S42	807	1.50	44.8	2994.9	166.4		2.00	59.8	221.8	
ILBS1231	1A North	IEL	IEL-3-S42	904	1.50	50.2				2.00	67.0		
ILBS1227	1A North	IEL	IEL-3-S42	569	1.50	31.6				2.00	42.1		
ILBS1222	1A North	IEL	IEL-3-S43	721	1.50	40.0				2.00	53.4		
ILBS1221	1A North	IEL	IEL-3-S43	945	1.50	52.5	3743.6	221.4		2.00	70.0	290.8	
NDTC0028	1A North	IEL	IEL-3-S43	1350	1.50	75.0				2.00	100.0		
NDET4038	1A North	IEL	IEL-3-S43	727	2.00	53.9				2.50	67.3		
ILBS1506	1A North	IEL	IEL-3-S44	163	1.50	9.0				2.00	12.1		
B1BS1066	1A North	IEL	IEL-3-S44	157	2.50	14.5	516.9	34.5		3.00	17.4	44.1	
ILBS1199	1A North	IEL	IEL-3-S44	197	1.50	11.0				2.00	14.6		
ILBS1459	1A North	IEL	IEL-3-S45	1119	1.50	62.2	5664.6	483.1		2.00	82.9	587.9	
ILBS0125	1A North	IEL	IEL-3-S45	4545	2.50	420.9				3.00	505.1		
ILBS1077	1A North	IEL	IEL-3-S46	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
NDET4043	1A North	IEL	IEL-3-S47	163	2.00	12.1				2.50	15.1		
ILBS1218	1A North	IEL	IEL-3-S47	140	1.50	7.8	597.0	38.0		2.00	10.4	49.1	
NDET4040	1A North	IEL	IEL-3-S47	98	2.00	7.3				2.50	9.1		
ILBS1217	1A North	IEL	IEL-3-S47	196	1.50	10.9				2.00	14.5		
ILBS0375	1A North	IEL	IEL-3-S48	203	6.00	45.1	203.1	45.1		6.50	48.9	48.9	
ILBS1478	1A North	IEL	IEL-3-S49	401	4.00	59.4	401.2	59.4		4.50	66.9	66.9	
ILBS01	1A North	IEL	IEL-3-S5	679	7.00	176.0				7.50	188.6		
ILBS0232	1A North	IEL	IEL-3-S5	438	7.00	113.5				7.50	121.6		
ILBS11	1A North	IEL	IEL-3-S5	423	7.00	109.6				7.50	117.4		
ILBS02	1A North	IEL	IEL-3-S5	1350	7.00	349.9				7.50	374.9		
ILBS32	1A North	IEL	IEL-3-S5	641	7.00	166.1				7.50	178.0		
ILBS15	1A North	IEL	IEL-3-S5	760	7.00	197.1				7.50	211.2		
ILBS33	1A North	IEL	IEL-3-S5	482	7.00	124.9				7.50	133.8		
ILBS16	1A North	IEL	IEL-3-S5	468	7.00	121.3				7.50	129.9		
ILBS1013	1A North	IEL	IEL-3-S5	1935	7.00	501.6				7.50	537.4		
ILBS08	1A North	IEL	IEL-3-S5	1092	7.00	283.0				7.50	303.2		
ILBS45	1A North	IEL	IEL-3-S5	352	7.00	91.3				7.50	97.9		
ILBS35	1A North	IEL	IEL-3-S5	616	7.00	159.8				7.50	171.2		
ILBS0296	1A North	IEL	IEL-3-S5	443	8.70	142.7				9.20	150.9		
ILBS94	1A North	IEL	IEL-3-S5	1629	3.00	181.0				3.50	211.2		
ILBS29	1A North	IEL	IEL-3-S5	1036	1.50	57.6				2.00	76.8		
ILBS0233	1A North	IEL	IEL-3-S5	431	2.00	31.9				2.50	39.9		
ILBS0239	1A North	IEL	IEL-3-S5	1885	2.00	139.6				2.50	174.5		

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ILBS1340	1A North	IEL	IEL-3-S5	376	5.00	69.6				5.50	76.6		
ILET0110	1A North	IEL	IEL-3-S5	627	7.50	174.3				8.00	185.9		
ILBS09	1A North	IEL	IEL-3-S5	1620	6.00	360.0				6.50	390.0		
ILBS1011	1A North	IEL	IEL-3-S5	610	1.50	33.9				2.00	45.1		
ILBS0295	1A North	IEL	IEL-3-S5	848	6.50	204.1				7.00	219.8		
ILET0101	1A North	IEL	IEL-3-S5	306	2.60	29.4				3.10	35.1		
ILBS0241	1A North	IEL	IEL-3-S5	890	6.00	197.8				6.50	214.3		
ILBS0146	1A North	IEL	IEL-3-S5	926	4.00	137.2				4.50	154.4		
ILBS1420	1A North	IEL	IEL-3-S5	2464	6.00	547.6	40559.7	7781.0		6.50	593.2	8,532.1	
ILBS1128	1A North	IEL	IEL-3-S5	934	2.50	86.5				3.00	103.7		
ILBS0260	1A North	IEL	IEL-3-S5	317	2.00	23.5				2.50	29.3		
ILBS0117	1A North	IEL	IEL-3-S5	1416	2.75	144.3				3.25	170.5		
ILBS1023	1A North	IEL	IEL-3-S5	1391	1.50	77.3				2.00	103.1		
ILBS1021	1A North	IEL	IEL-3-S5	504	11.00	205.3				11.50	214.6		
ILBS52	1A North	IEL	IEL-3-S5	653	9.00	217.6				9.50	229.7		
ILBS1022	1A North	IEL	IEL-3-S5	964	1.50	53.6				2.00	71.4		
ILBS50	1A North	IEL	IEL-3-S5	941	6.00	209.1				6.50	226.5		
ILBS1014	1A North	IEL	IEL-3-S5	1140	1.50	63.4				2.00	84.5		
ILBS0231	1A North	IEL	IEL-3-S5	732	2.00	54.2				2.50	67.8		
ILBS1024	1A North	IEL	IEL-3-S5	114	11.00	46.4				11.50	48.5		
ILET0114	1A North	IEL	IEL-3-S5	278	10.50	108.2				11.00	113.4		
ILET0111	1A North	IEL	IEL-3-S5	506	7.50	140.5				8.00	149.9		
ILET0108	1A North	IEL	IEL-3-S5	818	3.80	115.2				4.30	130.3		
ILET0100	1A North	IEL	IEL-3-S5	976	2.00	72.3				2.50	90.3		
SB_ABP_B301-5	1A North	IEL	IEL-3-S5	266	2.00	19.7				2.50	24.7		
ILBS1006	1A North	IEL	IEL-3-S5	177	11.00	72.0				11.50	75.3		
ILET0107	1A North	IEL	IEL-3-S5	453	7.50	125.9				8.00	134.3		
ILET0106	1A North	IEL	IEL-3-S5	170	7.50	47.4				8.00	50.5		
ILET0109	1A North	IEL	IEL-3-S5	132	7.50	36.6			80,376.5	8.00	39.0		91,077.7
ILET0113	1A North	IEL	IEL-3-S5	290	5.10	54.8				5.60	60.2		
ILBS92	1A North	IEL	IEL-3-S5	1337	2.00	99.1				2.50	123.8		
ILBS0221	1A North	IEL	IEL-3-S5	97	9.20	33.2				9.70	35.0		
ILBS51	1A North	IEL	IEL-3-S5	649	7.00	168.3				7.50	180.3		
ILBS1016	1A North	IEL	IEL-3-S5	1979	11.00	806.1				11.50	842.7		
ILBS1336	1A North	IEL	IEL-3-S50	578	1.50	32.1				2.00	42.8		
ILST1001	1A North	IEL	IEL-3-S50	352	2.00	26.1	1840.2	108.8		2.50	32.6	142.8	
ILBS1335	1A North	IEL	IEL-3-S50	910	1.50	50.6				2.00	67.4		
ILBS1095	1A North	IEL	IEL-3-S51	616	7.00	159.7				7.50	171.1		
ILBS1099	1A North	IEL	IEL-3-S51	544	6.00	121.0				6.50	131.0		
ILBS0156	1A North	IEL	IEL-3-S51	776	2.00	57.5				2.50	71.8		
ILBS1100	1A North	IEL	IEL-3-S51	366	5.00	67.9				5.50	74.6		
ILBS1093	1A North	IEL	IEL-3-S51	615	1.50	34.2	4747.0	851.5		2.00	45.6	939.4	
ILBS0111	1A North	IEL	IEL-3-S51	768	2.50	71.1				3.00	85.3		
ILBS0110	1A North	IEL	IEL-3-S51	340	2.50	31.5				3.00	37.8		
ILBS1098	1A North	IEL	IEL-3-S51	323	11.00	131.7				11.50	137.6		

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ILBS1449	1A North	IEL	IEL-3-S51	399	12.00	177.2				12.50	184.6		
ILBS0137	1A North	IEL	IEL-3-S52	401	2.50	37.1	401.1	37.1		3.00	44.6	44.6	
ILBS1086	1A North	IEL	IEL-3-S53	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
ILBS1216	1A North	IEL	IEL-3-S54	1274	2.00	94.3				2.50	117.9		
NDBS0101	1A North	IEL	IEL-3-S54	902	1.50	50.1	2679.5	172.4		2.00	66.8	222.1	
ILBS1214	1A North	IEL	IEL-3-S54	504	1.50	28.0				2.00	37.3		
ILBS1229A	1A North	IEL	IEL-3-S55	213	1.50	11.8	485.9	27.0		2.00	15.7	36.0	
ILBS1229	1A North	IEL	IEL-3-S55	273	1.50	15.2				2.00	20.2		
ILBS1090	1A North	IEL	IEL-3-S56	743	1.50	41.3				2.00	55.0		
ILBS1089S002	1A North	IEL	IEL-3-S56	194	2.00	14.4	2271.9	143.0		2.50	18.0	185.1	
ILBS1087	1A North	IEL	IEL-3-S56	620	1.50	34.5				2.00	46.0		
ILBS1089S070	1A North	IEL	IEL-3-S56	714	2.00	52.9				2.50	66.1		
ILBS1415	1A North	IEL	IEL-3-S57	1955	1.50	108.6	1955.1	108.6		2.00	144.8	144.8	
ILBS0124	1A North	IEL	IEL-3-S58	398	2.50	36.9	398.2	36.9		3.00	44.2	44.2	
ILBS1068	1A North	IEL	IEL-3-S59	2932	2.00	217.2	2931.9	217.2		2.50	271.5	271.5	
ILBS1139	1A North	IEL	IEL-3-S6	4028	1.50	223.8				2.00	298.4		
ILBS1138	1A North	IEL	IEL-3-S6	3418	1.50	189.9				2.00	253.2		
ILBS1144	1A North	IEL	IEL-3-S6	1542	7.00	399.8	15226.8	2104.2		7.50	428.3	2,386.2	
ILBS1458	1A North	IEL	IEL-3-S6	1140	1.50	63.3				2.00	84.4		
ILBS1137	1A North	IEL	IEL-3-S6	5099	6.50	1227.5				7.00	1,321.9		
NDET4046	1A North	IEL	IEL-3-S60	99	2.00	7.3	98.9	7.3		2.50	9.2	9.2	
NDET2010	1A North	IEL	IEL-3-S61	278	5.00	51.4	416.8	82.3		5.50	56.6	90.1	
NDET3003	1A North	IEL	IEL-3-S61	139	6.00	30.9				6.50	33.5		
NDET4021	1A North	IEL	IEL-3-S62	438	2.00	32.4				2.50	40.5		
NDET4019	1A North	IEL	IEL-3-S62	376	2.00	27.9	1382.7	91.9		2.50	34.8	117.5	
ILBS1208	1A North	IEL	IEL-3-S62	569	1.50	31.6				2.00	42.1		
ILTS05	1A North	IEL	IEL-3-S63	1007	2.50	93.2				3.00	111.9		
ILST1003	1A North	IEL	IEL-3-S63	2060	2.00	152.6	4903.6	667.4		2.50	190.7	758.2	
ILTS02	1A North	IEL	IEL-3-S63	1358	7.50	377.2				8.00	402.4		
ILBS1173	1A North	IEL	IEL-3-S63	479	2.50	44.3				3.00	53.2		
NDBS0353	1B North	IEL	IEL-3-S64	2121	6.00	471.4				6.50	510.6		
NDBS0355	1B North	IEL	IEL-3-S64	1051	6.00	233.6				6.50	253.1		
NDET1036	1B North	IEL	IEL-3-S64	975	10.00	361.2				10.50	379.2		
NDET2012	1B North	IEL	IEL-3-S64	741	7.00	192.2	8791.5	2371.7		7.50	205.9	2,534.5	
ILBS1226	1B North	IEL	IEL-3-S64	2496	9.50	878.3				10.00	924.6		
NDET4030	1B North	IEL	IEL-3-S64	764	2.00	56.6				2.50	70.7		
NDET1035	1B North	IEL	IEL-3-S64	642	7.50	178.5				8.00	190.4		
SM-03-009	1A North	IEL	IEL-3-S66	7980	1.50	443.3				2.00	591.1		
SM-03-001	1A North	IEL	IEL-3-S66	4481	1.50	248.9				2.00	331.9		
SM-03-014	1A North	IEL	IEL-3-S66	2292	1.50	127.3				2.00	169.7		
SM-03-015	1A North	IEL	IEL-3-S66	4289	1.50	238.3				2.00	317.7		
SM-03-012	1A North	IEL	IEL-3-S66	4228	1.50	234.9				2.00	313.2		
ILBS1309	1A North	IEL	IEL-3-S66	4312	1.50	239.6				2.00	319.4		
B1BS1208	1A North	IEL	IEL-3-S66	267	2.50	24.7				3.00	29.7		
ILBS1305	1A North	IEL	IEL-3-S66	5549	1.50	308.3				2.00	411.1		

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ILBS1306	1A North	IEL	IEL-3-S66	2428	1.50	134.9				2.00	179.8		
ILBS1307A	1A North	IEL	IEL-3-S66	3577	1.50	198.7				2.00	265.0		
ILBS1308	1A North	IEL	IEL-3-S66	3790	1.50	210.5				2.00	280.7		
ILBS1200	1A North	IEL	IEL-3-S66	808	1.50	44.9				2.00	59.8		
NDET4008A	1A North	IEL	IEL-3-S66	1397	1.50	77.6				2.00	103.5		
NDET4008	1A North	IEL	IEL-3-S66	2700	2.00	200.0	59507.9	3699.6		2.50	250.0	4,801.6	
NDET4009	1A North	IEL	IEL-3-S66	2215	2.00	164.1				2.50	205.1		
ILBS1203A	1A North	IEL	IEL-3-S66	828	1.50	46.0				2.00	61.3		
ILBS1204	1A North	IEL	IEL-3-S66	961	1.50	53.4				2.00	71.2		
ILBS1203	1A North	IEL	IEL-3-S66	926	1.50	51.4				2.00	68.6		
NDTC0006C	1A North	IEL	IEL-3-S66	156	1.75	10.1				2.25	13.0		
NDTC0006B	1A North	IEL	IEL-3-S66	83	1.75	5.4				2.25	6.9		
NDTC0006A	1A North	IEL	IEL-3-S66	100	3.25	12.0				3.75	13.9		
B1BS1160	1A North	IEL	IEL-3-S66	864	1.50	48.0				2.00	64.0		
NDBS0364	1A North	IEL	IEL-3-S66	295	1.50	16.4				2.00	21.8		
NDBS0363	1A North	IEL	IEL-3-S66	653	1.50	36.3				2.00	48.4		
B1BS1067	1A North	IEL	IEL-3-S66	655	11.00	266.7				11.50	278.8		
B1BS1194	1A North	IEL	IEL-3-S66	306	1.50	17.0				2.00	22.7		
ILBS1307	1A North	IEL	IEL-3-S66	1919	1.50	106.6				2.00	142.2		
B1BS1054	1A North	IEL	IEL-3-S66	1450	2.50	134.3				3.00	161.1		
ILBS0210	1A North	IEL	IEL-3-S68	1720	16.00	1019.6				16.50	1,051.4		
ILBS0209	1A North	IEL	IEL-3-S68	1322	21.00	1027.9				21.50	1,052.4		
ILBS0198	1A North	IEL	IEL-3-S68	7232	21.50	5758.4				22.00	5,892.4		
ILBS1035	1A North	IEL	IEL-3-S68	2867	11.00	1167.9				11.50	1,221.0		
ILBS1036	1A North	IEL	IEL-3-S68	3766	2.00	279.0	31519.5	14139.2		2.50	348.7	14,722.9	
ILBS1034	1A North	IEL	IEL-3-S68	3364	11.00	1370.7				11.50	1,433.0		
ILBS1032	1A North	IEL	IEL-3-S68	3200	6.00	711.1				6.50	770.4		
ILBS1426	1A North	IEL	IEL-3-S68	4269	8.00	1264.8				8.50	1,343.9		
ILBS1033	1A North	IEL	IEL-3-S68	3779	11.00	1539.8				11.50	1,609.8		
ILBS0333	1A North	IEL	IEL-3-S69	6961	2.00	515.6				2.50	644.5		
ILBS1475	1A North	IEL	IEL-3-S69	11497	1.50	638.7				2.00	851.6		
ILBS1079	1A North	IEL	IEL-3-S69	8365	6.00	1858.9				6.50	2,013.8		
ILBS1477	1A North	IEL	IEL-3-S69	13469	7.00	3492.1				7.50	3,741.5		
ILBS1183	1A North	IEL	IEL-3-S69	14436	1.50	802.0				2.00	1,069.3		
ILBS1151	1A North	IEL	IEL-3-S69	6680	7.00	1731.9				7.50	1,855.7		
ILBS1149	1A North	IEL	IEL-3-S69	2312	10.50	899.3				11.00	942.1		
ILBS0199	1A North	IEL	IEL-3-S69	5716	2.00	423.4				2.50	529.3		
ILBS0200	1A North	IEL	IEL-3-S69	7482	2.00	554.2				2.50	692.8		
ILBS0334	1A North	IEL	IEL-3-S69	14024	2.00	1038.8				2.50	1,298.5		
ILBS1182	1A North	IEL	IEL-3-S69	12568	4.00	1861.9				4.50	2,094.7		
ILBS0224	1A North	IEL	IEL-3-S69	5266	4.25	828.9				4.75	926.4		
ILBS0254	1A North	IEL	IEL-3-S69	5357	2.00	396.8				2.50	496.0		
ILBS0332	1A North	IEL	IEL-3-S69	3792	2.00	280.9				2.50	351.1		
ILBS0255	1A North	IEL	IEL-3-S69	8976	2.00	664.9				2.50	831.1		
ILBS0223	1A North	IEL	IEL-3-S69	8317	2.00	616.1				2.50	770.1		

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ILBS1181	1A North	IEL	IEL-3-S69	11657	1.50	647.6				2.00	863.5		
ILBS0336	1A North	IEL	IEL-3-S69	9970	2.00	738.5	218395.5	29777.4		2.50	923.2	33,821.8	
ILBS1194	1A North	IEL	IEL-3-S69	5064	4.00	750.3				4.50	844.0		
ILBS1152	1A North	IEL	IEL-3-S69	2392	1.50	132.9				2.00	177.1		
ILBS1148	1A North	IEL	IEL-3-S69	4193	1.50	232.9				2.00	310.6		
ILBS0164	1A North	IEL	IEL-3-S69	5229	2.00	387.4				2.50	484.2		
ILBS84	1A North	IEL	IEL-3-S69	4193	1.50	233.0				2.00	310.6		
ILBS1158	1A North	IEL	IEL-3-S69	4621	1.50	256.7				2.00	342.3		
ILBS1157	1A North	IEL	IEL-3-S69	917	1.50	50.9				2.00	67.9		
ILBS1155	1A North	IEL	IEL-3-S69	2201	7.00	570.6				7.50	611.4		
ILBS1146	1A North	IEL	IEL-3-S69	4730	1.50	262.8				2.00	350.4		
ILBS0196	1A North	IEL	IEL-3-S69	3503	2.50	324.4				3.00	389.2		
ILBS1462	1A North	IEL	IEL-3-S69	667	11.00	271.8				11.50	284.2		
ILBS1150	1A North	IEL	IEL-3-S69	378	11.00	154.2				11.50	161.2		
ILBS1147	1A North	IEL	IEL-3-S69	1339	11.00	545.7				11.50	570.5		
ILBS1156	1A North	IEL	IEL-3-S69	3976	1.50	220.9				2.00	294.5		
ILBS0197	1A North	IEL	IEL-3-S69	7148	11.00	2912.3				11.50	3,044.7		
ILBS1145	1A North	IEL	IEL-3-S69	6422	11.00	2616.3				11.50	2,735.2		
ILBS1154	1A North	IEL	IEL-3-S69	1544	11.00	629.2				11.50	657.8		
ILBS1159	1A North	IEL	IEL-3-S69	3031	11.00	1234.7				11.50	1,290.8		
ILBS1063	1A North	IEL	IEL-3-S7	456	3.50	59.1				4.00	67.6		
ILBS1064	1A North	IEL	IEL-3-S7	616	1.50	34.2	2575.7	371.1		2.00	45.6	418.8	
ILBS0350	1A North	IEL	IEL-3-S7	699	9.00	233.1				9.50	246.1		
ILBS18	1A North	IEL	IEL-3-S7	805	1.50	44.7				2.00	59.6		
ILBS0368	1A North	IEL	IEL-3-S70	1179	2.00	87.3				2.50	109.1		
ILBS0366	1A North	IEL	IEL-3-S70	988	2.00	73.2				2.50	91.5		
ILBS0367	1A North	IEL	IEL-3-S70	624	1.60	37.0	3616.6	338.3		2.10	48.5	405.3	
ILBS0309	1A North	IEL	IEL-3-S70	288	2.00	21.3				2.50	26.7		
ILBS0365	1A North	IEL	IEL-3-S70	538	6.00	119.5				6.50	129.5		
ILBS0349	1A North	IEL	IEL-3-S71	412	1.50	22.9				2.00	30.5		
ILBS1070	1A North	IEL	IEL-3-S71	375	7.00	97.2				7.50	104.2		
ILBS1062	1A North	IEL	IEL-3-S71	1651	5.40	330.1				5.90	360.7		
ILBS1069	1A North	IEL	IEL-3-S71	1623	1.50	90.1				2.00	120.2		
ILBS0370	1A North	IEL	IEL-3-S71	608	1.72	38.8				2.22	50.0		
ILBS1066	1A North	IEL	IEL-3-S71	942	3.40	118.6				3.90	136.0		
ILBS1071	1A North	IEL	IEL-3-S71	360	7.00	93.5	8701.9	1417.1		7.50	100.1	1,578.3	
ILET0002	1A North	IEL	IEL-3-S71	550	2.00	40.8				2.50	51.0		
ILBS1446	1A North	IEL	IEL-3-S71	598	10.00	221.5				10.50	232.6		
ILBS0369	1A North	IEL	IEL-3-S71	391	1.75	25.4				2.25	32.6		
ILBS0306	1A North	IEL	IEL-3-S71	144	2.25	12.0				2.75	14.7		
ILBS0249	1A North	IEL	IEL-3-S71	144	6.00	32.1				6.50	34.7		
ILBS1078	1A North	IEL	IEL-3-S71	903	8.80	294.2				9.30	310.9		
ILBS1215	1A North	IEL	IEL-3-S72	670	1.50	37.2				2.00	49.6		
NDTC0026	1A North	IEL	IEL-3-S72	233	2.00	17.3				2.50	21.6		

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ILBS1213	1A North	IEL	IEL-3-S72	429	1.50	23.8	2164.9	144.6		2.00	31.7	184.7	
ILBS1359	1A North	IEL	IEL-3-S72	36	5.50	7.2				6.00	7.9		
NDTC0025	1A North	IEL	IEL-3-S72	329	2.00	24.4				2.50	30.5		
NDET4005	1A North	IEL	IEL-3-S72	468	2.00	34.7				2.50	43.4		
NDET2020	1A North	IEL	IEL-3-S73	563	1.50	31.3	11383.8	791.6		2.00	41.7	1,002.4	
NDET2005	1A North	IEL	IEL-3-S73	658	1.50	36.6				2.00	48.7		
NDTC0052	1A North	IEL	IEL-3-S73	878	2.00	65.0				2.50	81.3		
NDTC0044	1A North	IEL	IEL-3-S73	1054	2.00	78.1				2.50	97.6		
NDET4011	1A North	IEL	IEL-3-S73	493	2.00	36.5				2.50	45.7		
NDET4029	1A North	IEL	IEL-3-S73	851	2.00	63.0				2.50	78.8		
ILBS1210	1A North	IEL	IEL-3-S73	819	2.00	60.7				2.50	75.8		
ILBS1232	1A North	IEL	IEL-3-S73	690	1.50	38.3				2.00	51.1		
ILBS1233	1A North	IEL	IEL-3-S73	779	1.50	43.3				2.00	57.7		
NDET1022	1A North	IEL	IEL-3-S73	341	1.50	18.9				2.00	25.2		
NDET2004	1A North	IEL	IEL-3-S73	783	1.50	43.5				2.00	58.0		
NDTC0049	1A North	IEL	IEL-3-S73	265	2.00	19.6				2.50	24.5		
NDET4028	1A North	IEL	IEL-3-S73	799	2.00	59.2				2.50	73.9		
NDET4013	1A North	IEL	IEL-3-S73	1107	2.00	82.0				2.50	102.5		
NDTC0039	1A North	IEL	IEL-3-S73	793	2.00	58.7				2.50	73.4		
NDTC0038	1A North	IEL	IEL-3-S73	512	3.00	56.8				3.50	66.3		
ILBS1508	1A North	IEL	IEL-3-S74	1338	21.00	1040.8	4406.6	1920.8		21.50	1,065.6	2,002.4	
ILBS1453	1A North	IEL	IEL-3-S74	109	16.00	64.6				16.50	66.6		
BSBS1041	1A North	IEL	IEL-3-S74	1047	6.00	232.7				6.50	252.1		
ILBS1120	1A North	IEL	IEL-3-S74	1060	6.00	235.7				6.50	255.3		
ILBS1123	1A North	IEL	IEL-3-S74	852	11.00	347.0				11.50	362.8		
ILBS1416	1A North	IEL	IEL-3-S75	727	21.00	565.4	3760.8	1036.6		21.50	578.8	1,106.2	
ILBS47	1A North	IEL	IEL-3-S75	693	7.00	179.6				7.50	192.5		
ILBS0206	1A North	IEL	IEL-3-S75	575	2.50	53.2				3.00	63.9		
ILBS1404	1A North	IEL	IEL-3-S75	510	1.50	28.3				2.00	37.7		
ILBS1410	1A North	IEL	IEL-3-S75	688	7.00	178.5				7.50	191.2		
ILBS1405	1A North	IEL	IEL-3-S75	568	1.50	31.6				2.00	42.1		
ILBS1167	1A North	IEL	IEL-3-S76	1478	1.50	82.1	3290.3	182.8		2.00	109.5	243.7	
ILBS42	1A North	IEL	IEL-3-S76	619	1.50	34.4				2.00	45.8		
ILBS1164	1A North	IEL	IEL-3-S76	1194	1.50	66.3				2.00	88.4		
NDET4018	1A North	IEL	IEL-3-S77	688	2.00	51.0	3108.8	185.5		2.50	63.7	243.0	
NDET2002	1A North	IEL	IEL-3-S77	481	1.50	26.7				2.00	35.6		
ILBS1211	1A North	IEL	IEL-3-S77	870	1.50	48.3				2.00	64.4		
ILBS1212	1A North	IEL	IEL-3-S77	1071	1.50	59.5				2.00	79.3		
ILBS0194	1A North	IEL	IEL-3-S78	886	6.00	196.9	2057.5	388.0		6.50	213.3	426.1	
ILBS1028	1A North	IEL	IEL-3-S78	637	6.00	141.6				6.50	153.4		
ILBS1058	1A North	IEL	IEL-3-S78	534	2.50	49.4				3.00	59.3		
ILBS0251	1A North	IEL	IEL-3-S79	932	1.50	51.8	1439.6	89.4		2.00	69.0	116.0	
ILBS1072	1A North	IEL	IEL-3-S79	508	2.00	37.6				2.50	47.0		
ILBS1264	1A North	IEL	IEL-3-S8	321	1.50	17.8	321.0	17.8		2.00	23.8	23.8	
ILBS1400S002	1A North	IEL	IEL-3-S80	173	1.50	9.6				2.00	12.8		

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ILBS1400S070	1A North	IEL	IEL-3-S80	309	1.50	17.2				2.00	22.9		
ILBS1081S070	1A North	IEL	IEL-3-S80	332	1.50	18.5				2.00	24.6		
ILBS1084	1A North	IEL	IEL-3-S80	361	1.50	20.0	2167.9	120.4		2.00	26.7	160.6	
ILBS1075	1A North	IEL	IEL-3-S80	315	1.50	17.5				2.00	23.3		
ILBS1081S002	1A North	IEL	IEL-3-S80	233	1.50	12.9				2.00	17.2		
ILBS1400S001	1A North	IEL	IEL-3-S80	445	1.50	24.7				2.00	32.9		
ILBS1166	1A North	IEL	IEL-3-S81	695	1.50	38.6	694.6	38.6		2.00	51.5	51.5	
ILBS1178	1A North	IEL	IEL-3-S82	315	1.50	17.5	314.5	17.5		2.00	23.3	23.3	
ILBS1509	1A North	IEL	IEL-3-S83	2355	1.50	130.8				2.00	174.5		
ILBS0151S003	1A North	IEL	IEL-3-S83	478	2.00	35.4				2.50	44.2		
ILBS0151S001	1A North	IEL	IEL-3-S83	716	2.00	53.1	3988.4	251.8		2.50	66.3	325.7	
ILBS0151S002	1A North	IEL	IEL-3-S83	411	2.00	30.4				2.50	38.1		
ILBS0151S070	1A North	IEL	IEL-3-S83	28	2.00	2.1				2.50	2.6		
B1BS1100	1A North	IEL	IEL-3-S84	314	2.50	29.1	314.2	29.1		3.00	34.9	34.9	
ILBS0285	1A North	IEL	IEL-3-S85	426	2.00	31.5	870.3	56.2		2.50	39.4	72.3	
ILBS0286	1A North	IEL	IEL-3-S85	445	1.50	24.7				2.00	32.9		
NDET4054	1A North	IEL	IEL-3-S86	20	1.50	1.1	109.2	7.7		2.00	1.5	9.7	
NDET4004	1A North	IEL	IEL-3-S86	89	2.00	6.6				2.50	8.2		
NDET4002	1A North	IEL	IEL-3-S87	77	2.00	5.7	77.3	5.7		2.50	7.2	7.2	
ILBS1105	1A North	IEL	IEL-3-S88	401	6.00	89.1	401.2	89.1		6.50	96.6	96.6	
NDET4010	1A North	IEL	IEL-3-S89	80	2.00	5.9	79.6	5.9		2.50	7.4	7.4	
ILBS1130	1A North	IEL	IEL-3-S9	1645	6.00	365.6				6.50	396.0		
ILBS1455	1A North	IEL	IEL-3-S9	1068	1.50	59.3	3798.5	666.2		2.00	79.1	736.5	
ILBS1131	1A North	IEL	IEL-3-S9	1086	6.00	241.3				6.50	261.4		
NDET4003	1A North	IEL	IEL-3-S90	78	2.00	5.8	78.1	5.8		2.50	7.2	7.2	
ILBS1031	1A North	IEL	IEL-3-S93	78	1.50	4.3	78.1	4.3		2.00	5.8	5.8	
SB_TTFD-03	1B SW	AIBP	AIBP-3-S1	34	1.50	1.9				2.00	2.5		
TTSS05	1B SW	AIBP	AIBP-3-S1	818	1.05	31.8				1.55	47.0		
TTBS1255	1B SW	AIBP	AIBP-3-S1	1839	5.00	340.5				5.50	374.6		
TTBS2033	1B SW	AIBP	AIBP-3-S1	1210	2.50	112.0				3.00	134.5		
TTBS1258	1B SW	AIBP	AIBP-3-S1	2303	6.00	511.8				6.50	554.4		
TTBS1001	1B SW	AIBP	AIBP-3-S1	1217	1.50	67.6				2.00	90.2		
SB_TTF-5	1B SW	AIBP	AIBP-3-S1	316	1.50	17.6				2.00	23.4		
TTBS1006	1B SW	AIBP	AIBP-3-S1	252	5.00	46.7				5.50	51.4		
TTBS1000	1B SW	AIBP	AIBP-3-S1	1208	6.00	268.5				6.50	290.8		
TTBS1020	1B SW	AIBP	AIBP-3-S1	1117	4.00	165.5				4.50	186.2		
TTBS1017	1B SW	AIBP	AIBP-3-S1	1117	7.00	289.7				7.50	310.3		
SB_TTFD-02	1B SW	AIBP	AIBP-3-S1	271	1.50	15.1				2.00	20.1		
TTBS31	1B SW	AIBP	AIBP-3-S1	673	1.50	37.4				2.00	49.9		
TTBS1009	1B SW	AIBP	AIBP-3-S1	855	1.50	47.5				2.00	63.3		
TTBS78	1B SW	AIBP	AIBP-3-S1	723	1.50	40.2				2.00	53.5		
TTBS1011	1B SW	AIBP	AIBP-3-S1	721	1.50	40.1				2.00	53.4		
TTBS1016	1B SW	AIBP	AIBP-3-S1	1776	5.50	361.8				6.00	394.7		
TTBS08	1B SW	AIBP	AIBP-3-S1	1272	1.42	66.9				1.92	90.4		
TTBS2041	1B SW	AIBP	AIBP-3-S1	730	1.50	40.5				2.00	54.1		

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TTBS1010	1B SW	AIBP	AIBP-3-S1	1003	1.50	55.7				2.00	74.3		
TTTS1001	1B SW	AIBP	AIBP-3-S1	18	1.50	1.0				2.00	1.3		
SB_TTF-4	1B SW	AIBP	AIBP-3-S1	48	3.50	6.3				4.00	7.2		
SB_TTF_DR1	1B SW	AIBP	AIBP-3-S1	91	1.50	5.0				2.00	6.7		
SB_TTF_DR2	1B SW	AIBP	AIBP-3-S1	99	1.50	5.5				2.00	7.3		
TTTS1000	1B SW	AIBP	AIBP-3-S1	55	4.75	9.7	25716.4	3544.9		5.25	10.7	4,021.1	
TTBS1015	1B SW	AIBP	AIBP-3-S1	257	6.00	57.2				6.50	62.0		
TTBS2210	1B SW	AIBP	AIBP-3-S1	132	7.50	36.7				8.00	39.2		
TTBS1019	1B SW	AIBP	AIBP-3-S1	257	5.00	47.6				5.50	52.3		
TR_TTF_0229-6	1B SW	AIBP	AIBP-3-S1	56	2.00	4.2				2.50	5.2		
SB_TTF-3	1B SW	AIBP	AIBP-3-S1	110	1.50	6.1				2.00	8.2		
TTBS80	1B SW	AIBP	AIBP-3-S1	24	1.50	1.3				2.00	1.8		
SB_TTF_DR4	1B SW	AIBP	AIBP-3-S1	40	1.50	2.2				2.00	2.9		
SB_TTFD-01	1B SW	AIBP	AIBP-3-S1	62	1.50	3.4				2.00	4.6		
SB_TTFD-04	1B SW	AIBP	AIBP-3-S1	87	1.50	4.8				2.00	6.4		
TTBS79	1B SW	AIBP	AIBP-3-S1	24	1.50	1.3				2.00	1.8		
TTBS1021	1B SW	AIBP	AIBP-3-S1	1246	8.00	369.1				8.50	392.2		
TTBS1007	1B SW	AIBP	AIBP-3-S1	214	3.50	27.7				4.00	31.7		
TTBS1014	1B SW	AIBP	AIBP-3-S1	230	4.00	34.1				4.50	38.3		
TTBS32	1B SW	AIBP	AIBP-3-S1	260	1.50	14.5				2.00	19.3		
SB_TTF-2	1B SW	AIBP	AIBP-3-S1	187	1.50	10.4				2.00	13.8		
TTTS1003	1B SW	AIBP	AIBP-3-S1	135	6.00	30.1				6.50	32.6		
TTTS1002	1B SW	AIBP	AIBP-3-S1	143	5.50	29.2				6.00	31.9		
TTBS1003	1B SW	AIBP	AIBP-3-S1	462	2.00	34.2				2.50	42.8		
TTBS77	1B SW	AIBP	AIBP-3-S1	442	1.50	24.6				2.00	32.8		
TTBS1004	1B SW	AIBP	AIBP-3-S1	559	1.50	31.0				2.00	41.4		
SB_TTF-1	1B SW	AIBP	AIBP-3-S1	324	1.50	18.0				2.00	24.0		
TTBS1012	1B SW	AIBP	AIBP-3-S1	75	7.00	19.5				7.50	20.9		
TTBS1013	1B SW	AIBP	AIBP-3-S1	262	3.20	31.0				3.70	35.9		
TTBS1002	1B SW	AIBP	AIBP-3-S1	361	9.00	120.4				9.50	127.1		
TTBS1050	1B SW	AIBP	AIBP-3-S10	480	10.00	177.8				10.50	186.7		
TTBS1073	1B SW	AIBP	AIBP-3-S10	950	10.00	351.8				10.50	369.4		
SB_TTF-32	1B SW	AIBP	AIBP-3-S10	290	13.50	145.1				14.00	150.5		
TTBS1184	1B SW	AIBP	AIBP-3-S10	867	1.50	48.2				2.00	64.2		
TTBS1074	1B SW	AIBP	AIBP-3-S10	1119	1.50	62.2				2.00	82.9		
TTBS1059	1B SW	AIBP	AIBP-3-S10	1366	1.50	75.9				2.00	101.2		
TTBS1060	1B SW	AIBP	AIBP-3-S10	1446	3.00	160.7				3.50	187.5		
TTBS1064	1B SW	AIBP	AIBP-3-S10	1386	4.00	205.3				4.50	231.0		
TTBS1061	1B SW	AIBP	AIBP-3-S10	678	1.50	37.7				2.00	50.3		
SB_TTF-12	1B SW	AIBP	AIBP-3-S10	984	1.50	54.7				2.00	72.9		
SB_TTF-18	1B SW	AIBP	AIBP-3-S10	595	1.50	33.0				2.00	44.0		
TTBS1076	1B SW	AIBP	AIBP-3-S10	653	1.50	36.3				2.00	48.4		
TTBS1075	1B SW	AIBP	AIBP-3-S10	1997	12.00	887.4				12.50	924.3		
TTLS24	1B SW	AIBP	AIBP-3-S10	40	2.00	3.0				2.50	3.7		
SB_TTF-38	1B SW	AIBP	AIBP-3-S10	226	1.50	12.5	16638.8	2742.4		2.00	16.7	3,050.5	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
SB_TTF-37	1B SW	AIBP	AIBP-3-S10	265	1.50	14.7				2.00	19.6		
SB_TTF-36	1B SW	AIBP	AIBP-3-S10	134	1.50	7.4				2.00	9.9		
SB_TTF-35	1B SW	AIBP	AIBP-3-S10	104	1.50	5.8				2.00	7.7		
SB_TTF-34	1B SW	AIBP	AIBP-3-S10	12	1.50	0.7				2.00	0.9		
SB_TTF-33	1B SW	AIBP	AIBP-3-S10	56	5.50	11.5				6.00	12.5		
TTTS1009	1B SW	AIBP	AIBP-3-S10	77	1.50	4.3				2.00	5.7		
TTBS1077	1B SW	AIBP	AIBP-3-S10	526	1.50	29.2				2.00	39.0		
SB_TTF-31	1B SW	AIBP	AIBP-3-S10	160	1.50	8.9				2.00	11.8		
TTBS1051	1B SW	AIBP	AIBP-3-S10	480	6.50	115.6				7.00	124.5		
TTBS1248	1B SW	AIBP	AIBP-3-S10	618	3.50	80.1				4.00	91.5		
TTBS1247	1B SW	AIBP	AIBP-3-S10	206	3.50	26.7				4.00	30.5		
TTBS1250	1B SW	AIBP	AIBP-3-S10	218	9.00	72.7				9.50	76.8		
SB_TTF-20	1B SW	AIBP	AIBP-3-S10	475	1.50	26.4				2.00	35.2		
SB_TTF-19	1B SW	AIBP	AIBP-3-S10	230	5.50	46.9				6.00	51.1		
TTBS1270	1B SW	AIBP	AIBP-3-S14	373	6.00	82.8				6.50	89.7		
TTBS2084	1B SW	AIBP	AIBP-3-S14	995	11.00	405.3				11.50	423.7		
TTBS2013	1B SW	AIBP	AIBP-3-S14	542	2.50	50.2	3224.8	714.6		3.00	60.3	774.3	
CTBS3023	1B SW	AIBP	AIBP-3-S14	726	2.50	67.2				3.00	80.6		
TTBS1129	1B SW	AIBP	AIBP-3-S14	589	5.00	109.2				5.50	120.1		
SWBS1007	1B SW	AIBP	AIBP-3-S15a	146	2.00	10.8	270.4	17.7		2.50	13.5	22.7	
TTBS1119	1B SW	AIBP	AIBP-3-S15a	125	1.50	6.9				2.00	9.3		
TTBS2008	1B SW	AIBP	AIBP-3-S16a	224	2.30	19.1				2.80	23.2		
TTBS1068	1B SW	AIBP	AIBP-3-S16a	463	3.00	51.4	1218.7	100.0		3.50	60.0	122.6	
TTBS1067	1B SW	AIBP	AIBP-3-S16a	532	1.50	29.6				2.00	39.4		
TTBS1118	1B SW	AIBP	AIBP-3-S17	153	1.50	8.5	153.5	8.5		2.00	11.4	11.4	
TTBS1124	1B SW	AIBP	AIBP-3-S18a	503	9.50	177.1				10.00	186.4		
TTBS1267	1B SW	AIBP	AIBP-3-S18a	647	6.00	143.8				6.50	155.8		
TTBS1135	1B SW	AIBP	AIBP-3-S18a	1881	1.50	104.5				2.00	139.3		
TTTS1032	1B SW	AIBP	AIBP-3-S18a	195	3.00	21.6				3.50	25.2		
TTBS1131	1B SW	AIBP	AIBP-3-S18a	1596	1.50	88.6				2.00	118.2		
TTBS1128	1B SW	AIBP	AIBP-3-S18a	898	1.50	49.9				2.00	66.5		
TTBS1127	1B SW	AIBP	AIBP-3-S18a	1037	4.00	153.6				4.50	172.8		
TTBS1126	1B SW	AIBP	AIBP-3-S18a	1643	5.00	304.3				5.50	334.8		
TTBS2242	1B SW	AIBP	AIBP-3-S18a	1246	2.00	92.3				2.50	115.4		
TTTS1036	1B SW	AIBP	AIBP-3-S18a	851	6.00	189.1				6.50	204.8		
TTBS1125	1B SW	AIBP	AIBP-3-S18a	985	1.50	54.7				2.00	72.9		
TTTS1037	1B SW	AIBP	AIBP-3-S18a	1370	3.50	177.6				4.00	203.0		
TTBS1132	1B SW	AIBP	AIBP-3-S18a	1263	7.00	327.3	27417.6	3607.8		7.50	350.7	4,115.5	
TTBS2082	1B SW	AIBP	AIBP-3-S18a	1682	1.50	93.4				2.00	124.6		
TTBS1161	1B SW	AIBP	AIBP-3-S18a	687	1.50	38.2				2.00	50.9		
TTTS1028	1B SW	AIBP	AIBP-3-S18a	992	5.50	202.1				6.00	220.4		
TTBS1162	1B SW	AIBP	AIBP-3-S18a	1023	3.80	144.0				4.30	162.9		
TTBS1192	1B SW	AIBP	AIBP-3-S18a	604	2.00	44.7				2.50	55.9		
TTTS1035	1B SW	AIBP	AIBP-3-S18a	968	1.50	53.8				2.00	71.7		
TTTS1034	1B SW	AIBP	AIBP-3-S18a	1088	4.00	161.2				4.50	181.4		

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TTTS1033	1B SW	AIBP	AIBP-3-S18a	835	1.50	46.4				2.00	61.8		
TTBS1130	1B SW	AIBP	AIBP-3-S18a	1304	3.00	144.9				3.50	169.1		
TTBS2243	1B SW	AIBP	AIBP-3-S18a	1662	6.00	369.2				6.50	400.0		
TTBS2079	1B SW	AIBP	AIBP-3-S18a	680	2.50	62.9				3.00	75.5		
TTTS1030	1B SW	AIBP	AIBP-3-S18a	939	5.50	191.4				6.00	208.8		
TTTS1031	1B SW	AIBP	AIBP-3-S18a	840	5.50	171.1				6.00	186.6		
SB_TTF-11	1B SW	AIBP	AIBP-3-S19	497	1.50	27.6	496.5	27.6		2.00	36.8	36.8	
TTBS1120	1B SW	AIBP	AIBP-3-S2	698	1.50	38.8	1043.1	57.9		2.00	51.7	77.3	
TTBS2239	1B SW	AIBP	AIBP-3-S2	345	1.50	19.2				2.00	25.6		
CTBS1017	1B SW	AIBP	AIBP-3-S20	593	2.00	43.9	592.6	43.9		2.50	54.9	54.9	
TTBS2078	1B SW	AIBP	AIBP-3-S22	829	2.00	61.4	1911.1	121.5		2.50	76.7	156.9	
TTBS2076	1B SW	AIBP	AIBP-3-S22	1083	1.50	60.1				2.00	80.2		
TTBS2061	1B SW	AIBP	AIBP-3-S23	2373	1.50	131.8	9281.8	882.0		2.00	175.8	1,053.9	
TTBS1262	1B SW	AIBP	AIBP-3-S23	2323	2.50	215.1				3.00	258.1		
TTBS1193	1B SW	AIBP	AIBP-3-S23	2301	3.30	281.2				3.80	323.8		
TTBS1261	1B SW	AIBP	AIBP-3-S23	2286	3.00	253.9				3.50	296.3		
SB_TTF-6	1B SW	AIBP	AIBP-3-S25	2531	1.50	140.6				2.00	187.4		
TTBS2047	1B SW	AIBP	AIBP-3-S25	1816	1.50	100.9				2.00	134.5		
TTTS1022	1B SW	AIBP	AIBP-3-S25	826	7.00	214.1				7.50	229.4		
TTTS1017	1B SW	AIBP	AIBP-3-S25	1465	1.50	81.4				2.00	108.5		
TTTS1025	1B SW	AIBP	AIBP-3-S25	122	7.00	31.7				7.50	34.0		
TTTS1024	1B SW	AIBP	AIBP-3-S25	1310	1.50	72.8				2.00	97.0		
TTBS1189	1B SW	AIBP	AIBP-3-S25	232	1.50	12.9				2.00	17.2		
TTTS1019	1B SW	AIBP	AIBP-3-S25	1557	1.50	86.5				2.00	115.3		
TTBS2203	1B SW	AIBP	AIBP-3-S25	1114	7.00	288.9				7.50	309.5		
TTBS1168	1B SW	AIBP	AIBP-3-S25	1330	1.50	73.9				2.00	98.5		
TTBS2027	1B SW	AIBP	AIBP-3-S25	2495	1.50	138.6				2.00	184.8		
TTBS10	1B SW	AIBP	AIBP-3-S25	1219	1.42	64.1	28050.7	3219.4		1.92	86.7	3,738.8	
SB_TTF-7	1B SW	AIBP	AIBP-3-S25	457	1.50	25.4				2.00	33.9		
TTTS1018	1B SW	AIBP	AIBP-3-S25	619	1.50	34.4			25,014.8	2.00	45.8		28,313.2
TTBS11	1B SW	AIBP	AIBP-3-S25	1349	1.42	71.0				1.92	95.9		
TTTS1020	1B SW	AIBP	AIBP-3-S25	959	4.00	142.1				4.50	159.9		
TTBS1188	1B SW	AIBP	AIBP-3-S25	1224	7.60	344.6				8.10	367.3		
TTBS2206	1B SW	AIBP	AIBP-3-S25	465	1.50	25.8				2.00	34.4		
TTBS1169	1B SW	AIBP	AIBP-3-S25	1021	3.00	113.5				3.50	132.4		
TTBS13	1B SW	AIBP	AIBP-3-S25	656	1.42	34.5				1.92	46.6		
TTTS1021	1B SW	AIBP	AIBP-3-S25	1047	6.00	232.7				6.50	252.1		
TTTS1023	1B SW	AIBP	AIBP-3-S25	2319	8.00	687.2				8.50	730.1		
TTBS2026	1B SW	AIBP	AIBP-3-S25	600	2.50	55.6				3.00	66.7		
TTTS1026	1B SW	AIBP	AIBP-3-S25	1318	3.00	146.5				3.50	170.9		
TTBS3017	1B SW	AIBP	AIBP-3-S28	542	1.50	30.1	541.9	30.1		2.00	40.1	40.1	
TTBS1140	1B SW	AIBP	AIBP-3-S29	986	5.80	211.8	985.8	211.8		6.30	230.0	230.0	
SB_TTF-16	1B SW	AIBP	AIBP-3-S3	775	1.50	43.1	1140.7	60.0		2.00	57.4	81.1	
TTBS1041	1B SW	AIBP	AIBP-3-S3	365	1.25	16.9				1.75	23.7		
TTBS1032	1B SW	AIBP	AIBP-3-S4	911	12.00	404.9				12.50	421.8		

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TTBS1036	1B SW	AIBP	AIBP-3-S4	292	8.40	90.9				8.90	96.3		
TTBS2233	1B SW	AIBP	AIBP-3-S4	160	1.50	8.9				2.00	11.9		
TR_TTF_0229-13	1B SW	AIBP	AIBP-3-S4	97	3.00	10.8				3.50	12.6		
TTBS1146	1B SW	AIBP	AIBP-3-S4	900	1.50	50.0				2.00	66.7		
SB_TTF-10	1B SW	AIBP	AIBP-3-S4	416	1.50	23.1				2.00	30.8		
TTBS1037	1B SW	AIBP	AIBP-3-S4	111	7.00	28.7	6294.0	1530.0		7.50	30.7	1,646.5	
TR_TTF_0229-20	1B SW	AIBP	AIBP-3-S4	404	4.00	59.8				4.50	67.3		
SB_TTF-13	1B SW	AIBP	AIBP-3-S4	103	1.50	5.7				2.00	7.6		
TR_TTF_0229-15	1B SW	AIBP	AIBP-3-S4	49	4.00	7.2				4.50	8.1		
TTBS1030	1B SW	AIBP	AIBP-3-S4	795	4.40	129.6				4.90	144.3		
TTBS1039	1B SW	AIBP	AIBP-3-S4	918	6.90	234.7				7.40	251.7		
TTBS1035	1B SW	AIBP	AIBP-3-S4	536	10.50	208.3				11.00	218.2		
TTBS1031	1B SW	AIBP	AIBP-3-S4	602	12.00	267.4				12.50	278.6		
TTBS1029	1B SW	AIBP	AIBP-3-S5	162	9.00	54.1				9.50	57.1		
SB_TTF-9	1B SW	AIBP	AIBP-3-S5	230	1.50	12.8	659.4	136.1		2.00	17.0	148.3	
TTBS1028	1B SW	AIBP	AIBP-3-S5	267	7.00	69.3				7.50	74.2		
SB_TTF-8	1B SW	AIBP	AIBP-3-S6	826	1.50	45.9				2.00	61.2		
TTTS1004	1B SW	AIBP	AIBP-3-S6	639	4.00	94.6				4.50	106.4		
SB_TTF_RR-8	1B SW	AIBP	AIBP-3-S6	234	1.50	13.0				2.00	17.4		
TTBS1027	1B SW	AIBP	AIBP-3-S6	469	9.00	156.4				9.50	165.1		
TTTS1007	1B SW	AIBP	AIBP-3-S6	577	1.50	32.1	3435.2	432.4		2.00	42.7	496.0	
TTBS1025	1B SW	AIBP	AIBP-3-S6	347	5.50	70.6				6.00	77.1		
TTBS1024	1B SW	AIBP	AIBP-3-S6	67	1.50	3.7				2.00	4.9		
TTBS46	1B SW	AIBP	AIBP-3-S6	38	2.00	2.8				2.50	3.5		
TTBS45	1B SW	AIBP	AIBP-3-S6	239	1.50	13.3				2.00	17.7		
SB_TTF-30	1B SW	AIBP	AIBP-3-S7	572	1.50	31.8				2.00	42.4		
TTBS1088	1B SW	AIBP	AIBP-3-S7	532	1.50	29.6				2.00	39.4		
TTBS1086	1B SW	AIBP	AIBP-3-S7	301	1.50	16.7				2.00	22.3		
TTBS1151	1B SW	AIBP	AIBP-3-S7	933	4.00	138.3	3900.2	491.6		4.50	155.6	563.8	
TTBS71	1B SW	AIBP	AIBP-3-S7	307	1.50	17.0				2.00	22.7		
TTBS70	1B SW	AIBP	AIBP-3-S7	153	4.50	25.6				5.00	28.4		
TTBS1150	1B SW	AIBP	AIBP-3-S7	409	3.50	53.0				4.00	60.6		
PPBS2028	1B SW	AIBP	AIBP-3-S7	693	7.00	179.6				7.50	192.5		
SB_TTF-14	1B SW	AIBP	AIBP-3-S8	142	1.50	7.9				2.00	10.5		
SB_TTF-15	1B SW	AIBP	AIBP-3-S8	223	1.50	12.4	688.9	57.8		2.00	16.5	70.6	
TTBS1033	1B SW	AIBP	AIBP-3-S8	238	1.50	13.2				2.00	17.6		
TTBS1034	1B SW	AIBP	AIBP-3-S8	87	7.60	24.4				8.10	26.0		
TTTS1011	1B SW	AIBP	AIBP-3-S9	501	20.50	380.1				21.00	389.4		
TTTS1043	1B SW	AIBP	AIBP-3-S9	308	17.50	199.7				18.00	205.4		
TTTS1010	1B SW	AIBP	AIBP-3-S9	467	16.50	285.1				17.00	293.7		
TTBS1148	1B SW	AIBP	AIBP-3-S9	699	17.80	461.0				18.30	473.9		
TTBS1180A	1B SW	AIBP	AIBP-3-S9	663	15.30	376.0				15.80	388.3		
TTBS1045	1B SW	AIBP	AIBP-3-S9	460	12.00	204.6				12.50	213.2		
TTBS1149	1B SW	AIBP	AIBP-3-S9	635	3.75	88.2				4.25	100.0		
TTBS1100	1B SW	AIBP	AIBP-3-S9	338	5.00	62.6				5.50	68.8		

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TTBS1096	1B SW	AIBP	AIBP-3-S9	326	6.00	72.5				6.50	78.5		
SB_TTF_RR-5	1B SW	AIBP	AIBP-3-S9	586	1.50	32.6				2.00	43.4		
TTBS1159	1B SW	AIBP	AIBP-3-S9	542	2.00	40.2				2.50	50.2		
TTBS19	1B SW	AIBP	AIBP-3-S9	1265	1.50	70.3				2.00	93.7		
TTBS42	1B SW	AIBP	AIBP-3-S9	614	1.50	34.1				2.00	45.5		
TTBS1206	1B SW	AIBP	AIBP-3-S9	496	6.00	110.1				6.50	119.3		
TTBS1110	1B SW	AIBP	AIBP-3-S9	625	1.50	34.7				2.00	46.3		
TTBS23	1B SW	AIBP	AIBP-3-S9	554	1.50	30.8				2.00	41.0		
TTBS1094	1B SW	AIBP	AIBP-3-S9	610	1.50	33.9				2.00	45.2		
TTBS15	1B SW	AIBP	AIBP-3-S9	1553	1.05	60.4				1.55	89.2		
TTBS2018	1B SW	AIBP	AIBP-3-S9	1268	1.50	70.4				2.00	93.9		
TTTS1014	1B SW	AIBP	AIBP-3-S9	534	3.50	69.2				4.00	79.1		
TTBS1179	1B SW	AIBP	AIBP-3-S9	509	7.00	132.0				7.50	141.4		
TTBS1085	1B SW	AIBP	AIBP-3-S9	408	8.00	120.8				8.50	128.4		
SB_TTF-17	1B SW	AIBP	AIBP-3-S9	322	1.50	17.9				2.00	23.8		
TTBS1083	1B SW	AIBP	AIBP-3-S9	265	5.00	49.1				5.50	54.0		
TTBS1043	1B SW	AIBP	AIBP-3-S9	338	5.00	62.6				5.50	68.9		
TTBS1103	1B SW	AIBP	AIBP-3-S9	400	7.00	103.8				7.50	111.2		
TTBS35	1B SW	AIBP	AIBP-3-S9	191	1.50	10.6				2.00	14.1		
TTTS1012	1B SW	AIBP	AIBP-3-S9	243	5.00	45.0				5.50	49.5		
TTBS2235	1B SW	AIBP	AIBP-3-S9	378	5.50	77.0				6.00	84.0		
SB_TTF-43	1B SW	AIBP	AIBP-3-S9	688	1.50	38.2				2.00	51.0		
SB_TTF-39	1B SW	AIBP	AIBP-3-S9	467	1.50	25.9				2.00	34.6		
SB_TTF-41	1B SW	AIBP	AIBP-3-S9	334	1.50	18.6				2.00	24.8		
TTBS17	1B SW	AIBP	AIBP-3-S9	925	1.50	51.4				2.00	68.5		
TTBS1101	1B SW	AIBP	AIBP-3-S9	952	1.50	52.9				2.00	70.5		
SB_TTF-27	1B SW	AIBP	AIBP-3-S9	669	1.50	37.1				2.00	49.5		
SB_TTF-24	1B SW	AIBP	AIBP-3-S9	259	1.50	14.4				2.00	19.2		
TTBS53	1B SW	AIBP	AIBP-3-S9	467	1.50	26.0				2.00	34.6		
TTBS1055	1B SW	AIBP	AIBP-3-S9	1081	1.50	60.0				2.00	80.0		
TTTS1044	1B SW	AIBP	AIBP-3-S9	560	9.50	196.9				10.00	207.2		
TTBS1091	1B SW	AIBP	AIBP-3-S9	258	1.50	14.3				2.00	19.1		
TTTS1038	1B SW	AIBP	AIBP-3-S9	928	1.50	51.5				2.00	68.7		
TTBS2017	1B SW	AIBP	AIBP-3-S9	2263	1.50	125.7	44068.0	6945.8		2.00	167.6	7,761.9	
TTBS18	1B SW	AIBP	AIBP-3-S9	582	1.50	32.3				2.00	43.1		
TTBS49	1B SW	AIBP	AIBP-3-S9	782	1.50	43.5				2.00	57.9		
TTBS52	1B SW	AIBP	AIBP-3-S9	848	1.50	47.1				2.00	62.8		
TTBS1056	1B SW	AIBP	AIBP-3-S9	301	1.50	16.7				2.00	22.3		
SB_TTF-23	1B SW	AIBP	AIBP-3-S9	463	1.50	25.7				2.00	34.3		
TTTS1042	1B SW	AIBP	AIBP-3-S9	961	2.50	89.0				3.00	106.8		
TTTS1041	1B SW	AIBP	AIBP-3-S9	669	1.50	37.2				2.00	49.6		
TTTS1016	1B SW	AIBP	AIBP-3-S9	201	1.50	11.1				2.00	14.9		
TTTS1015	1B SW	AIBP	AIBP-3-S9	323	4.00	47.9				4.50	53.8		
TTBS1099	1B SW	AIBP	AIBP-3-S9	164	2.00	12.1				2.50	15.2		
TTBS63	1B SW	AIBP	AIBP-3-S9	396	1.50	22.0				2.00	29.4		

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TR_TTF_0229-2	1B SW	AIBP	AIBP-3-S9	151	4.00	22.3				4.50	25.1		
SB_TTF-28	1B SW	AIBP	AIBP-3-S9	81	5.50	16.4				6.00	17.9		
TTBS1102	1B SW	AIBP	AIBP-3-S9	626	5.50	127.6				6.00	139.2		
TTBS85	1B SW	AIBP	AIBP-3-S9	85	4.50	14.2				5.00	15.8		
TTBS66	1B SW	AIBP	AIBP-3-S9	329	1.50	18.3				2.00	24.4		
TTBS67	1B SW	AIBP	AIBP-3-S9	254	1.50	14.1				2.00	18.8		
SB_TTF-44	1B SW	AIBP	AIBP-3-S9	401	1.50	22.3				2.00	29.7		
TTBS1038	1B SW	AIBP	AIBP-3-S9	355	9.50	124.7				10.00	131.3		
SB_TTF-42	1B SW	AIBP	AIBP-3-S9	341	1.50	18.9				2.00	25.3		
TTBS1084	1B SW	AIBP	AIBP-3-S9	289	1.50	16.0				2.00	21.4		
TTBS1081	1B SW	AIBP	AIBP-3-S9	274	4.80	48.7				5.30	53.8		
SB_TTF-40	1B SW	AIBP	AIBP-3-S9	260	3.50	33.7				4.00	38.6		
SB_TTF-22	1B SW	AIBP	AIBP-3-S9	572	1.50	31.8				2.00	42.4		
TTBS22	1B SW	AIBP	AIBP-3-S9	248	1.50	13.8				2.00	18.4		
TTBS2241	1B SW	AIBP	AIBP-3-S9	320	11.00	130.4				11.50	136.4		
SB_TTF-25	1B SW	AIBP	AIBP-3-S9	288	1.50	16.0				2.00	21.3		
TTBS1040	1B SW	AIBP	AIBP-3-S9	312	5.00	57.8				5.50	63.5		
TTBS1095	1B SW	AIBP	AIBP-3-S9	187	9.00	62.5				9.50	65.9		
TTBS1097	1B SW	AIBP	AIBP-3-S9	347	10.00	128.5				10.50	134.9		
TTBS2240	1B SW	AIBP	AIBP-3-S9	464	11.00	189.2				11.50	197.8		
TTBS1098	1B SW	AIBP	AIBP-3-S9	466	4.80	82.9				5.30	91.6		
SB_TTF-26	1B SW	AIBP	AIBP-3-S9	285	1.50	15.8				2.00	21.1		
TTTS1039	1B SW	AIBP	AIBP-3-S9	1521	5.00	281.6				5.50	309.8		
TTBS1092	1B SW	AIBP	AIBP-3-S9	535	8.30	164.4				8.80	174.3		
TR_TTF_0229-9	1B SW	AIBP	AIBP-3-S9	867	4.00	128.4				4.50	144.4		
TTTS1013	1B SW	AIBP	AIBP-3-S9	226	4.00	33.5				4.50	37.6		
TTTS1040	1B SW	AIBP	AIBP-3-S9	940	6.00	208.9				6.50	226.3		
TTBS1109	1B SW	AIBP	AIBP-3-S9	770	8.00	228.1				8.50	242.3		
TTBS1057	1B SW	AIBP	AIBP-3-S9	528	11.00	215.0				11.50	224.8		
TTBS1090	1B SW	AIBP	AIBP-3-S9	111	11.50	47.3				12.00	49.3		
TTBS1170	1B SW	AIBP	AIBP-S3-S24	184	1.50	10.2				2.00	13.6		
TTBS1172	1B SW	AIBP	AIBP-S3-S24	83	4.50	13.8	388.8	30.8		5.00	15.3	38.0	
TTBS1171	1B SW	AIBP	AIBP-S3-S24	123	1.50	6.8				2.00	9.1		
CTBS16	1B SW	CTL-V	CTL-V-3-S1	870	1.50	48.3				2.00	64.4		
CTBS18	1B SW	CTL-V	CTL-V-3-S1	743	1.50	41.3	2248.8	124.9		2.00	55.0	166.6	
CTBS2034	1B SW	CTL-V	CTL-V-3-S1	636	1.50	35.3				2.00	47.1		
CTBS07	1B SW	CTL-V	CTL-V-3-S10	1904	1.50	105.8				2.00	141.0		
CTBS1121	1B SW	CTL-V	CTL-V-3-S10	1896	1.50	105.3				2.00	140.4		
CTBS05	1B SW	CTL-V	CTL-V-3-S10	1626	1.50	90.3	7466.0	422.9		2.00	120.4	561.2	
CTBS1038	1B SW	CTL-V	CTL-V-3-S10	691	2.00	51.2				2.50	64.0		
CTSS02	1B SW	CTL-V	CTL-V-3-S10	251	1.00	9.3				1.50	14.0		
CTBS2043	1B SW	CTL-V	CTL-V-3-S10	1099	1.50	61.0				2.00	81.4		
CTBS2046	1B SW	CTL-V	CTL-V-3-S11	329	1.50	18.3	329.2	18.3		2.00	24.4	24.4	
CTBS3029	1B SW	CTL-V	CTL-V-3-S12	2699	7.00	699.8	2699.2	699.8		7.50	749.8	749.8	
CTBS2066	1B SW	CTL-V	CTL-V-3-S13	553	11.00	225.2				11.50	235.4		

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CTBS2113	1B SW	CTL-V	CTL-V-3-S13	518	1.50	28.8				2.00	38.4		
CTBS2067	1B SW	CTL-V	CTL-V-3-S13	922	7.00	238.9				7.50	256.0		
CTBS2011	1B SW	CTL-V	CTL-V-3-S13	489	1.50	27.2				2.00	36.2		
CTBS1019	1B SW	CTL-V	CTL-V-3-S13	566	2.00	41.9	5428.2	946.8		2.50	52.4	1,047.4	
CTBS2120	1B SW	CTL-V	CTL-V-3-S13	482	2.50	44.6				3.00	53.5		
CTBS1139	1B SW	CTL-V	CTL-V-3-S13	197	2.50	18.3				3.00	21.9		
CTBS2097	1B SW	CTL-V	CTL-V-3-S13	585	1.50	32.5				2.00	43.3		
CTBS1020	1B SW	CTL-V	CTL-V-3-S13	344	7.00	89.1				7.50	95.5		
CTBS2063	1B SW	CTL-V	CTL-V-3-S13	773	7.00	200.4				7.50	214.7		
CTBS08	1B SW	CTL-V	CTL-V-3-S14	108	1.50	6.0	211.6	13.7		2.00	8.0	17.6	
CTBS1012	1B SW	CTL-V	CTL-V-3-S14	103	2.00	7.6				2.50	9.6		
CTBS1103	1B SW	CTL-V	CTL-V-3-S15	1386	2.00	102.6	1385.6	102.6		2.50	128.3	128.3	
CTBS04	1B SW	CTL-V	CTL-V-3-S16a	330	1.50	18.3				2.00	24.5		
CTBS1102	1B SW	CTL-V	CTL-V-3-S16a	377	2.00	27.9	1093.5	67.7		2.50	34.9	88.0	
CTBS2042	1B SW	CTL-V	CTL-V-3-S16a	386	1.50	21.5				2.00	28.6		
CTBS11	1B SW	CTL-V	CTL-V-3-S17	529	1.50	29.4				2.00	39.2		
CTBS2049	1B SW	CTL-V	CTL-V-3-S17	556	1.50	30.9	2857.4	224.4		2.00	41.2	277.3	
CTBS2008	1B SW	CTL-V	CTL-V-3-S17	1772	2.50	164.1				3.00	196.9		
CTBS13	1B SW	CTL-V	CTL-V-3-S18	606	1.50	33.7				2.00	44.9		
CTBS1156	1B SW	CTL-V	CTL-V-3-S18	525	4.50	87.6				5.00	97.3		
CTBS1157	1B SW	CTL-V	CTL-V-3-S18	313	4.50	52.2				5.00	58.0		
CTBS1154	1B SW	CTL-V	CTL-V-3-S18	750	4.50	125.1	3708.3	491.1		5.00	139.0	559.7	
CTBS15	1B SW	CTL-V	CTL-V-3-S18	288	1.50	16.0				2.00	21.3		
CTBS1158	1B SW	CTL-V	CTL-V-3-S18	976	4.50	162.7				5.00	180.8		
CTBS2123	1B SW	CTL-V	CTL-V-3-S18	249	1.50	13.8				2.00	18.4		
CTBS2047	1B SW	CTL-V	CTL-V-3-S19	179	1.50	10.0	179.2	10.0		2.00	13.3	13.3	
CTBS2111	1B SW	CTL-V	CTL-V-3-S2	600	1.25	27.8				1.75	38.9		
CTBS1033	1B SW	CTL-V	CTL-V-3-S2	328	1.50	18.2	3529.4	147.2		2.00	24.3	212.5	
TTSS07	1B SW	CTL-V	CTL-V-3-S2	2602	1.05	101.2				1.55	149.4		
CTBS1100	1B SW	CTL-V	CTL-V-3-S20	3573	1.25	165.4	9312.7	590.6		1.75	231.6	763.0	
CTBS1101	1B SW	CTL-V	CTL-V-3-S20	5739	2.00	425.1				2.50	531.4		
CTBS2102	1B SW	CTL-V	CTL-V-3-S3	3930	1.50	218.3				2.00	291.1		
CTBS1153	1B SW	CTL-V	CTL-V-3-S3	1402	2.50	129.8				3.00	155.8		
CTBS2035	1B SW	CTL-V	CTL-V-3-S3	2080	2.50	192.6				3.00	231.1		
CTBS1148	1B SW	CTL-V	CTL-V-3-S3	374	12.00	166.1	11392.3	1325.5		12.50	173.0	1,536.4	
CTBS2087	1B SW	CTL-V	CTL-V-3-S3	911	2.00	67.5				2.50	84.4		
CTBS2121	1B SW	CTL-V	CTL-V-3-S3	1495	2.50	138.4				3.00	166.1		
CTTS02	1B SW	CTL-V	CTL-V-3-S3	514	9.00	171.5				9.50	181.0		
CTTS06	1B SW	CTL-V	CTL-V-3-S3	686	9.50	241.2				10.00	253.9		
CTBS1040	1B SW	CTL-V	CTL-V-3-S4	301	6.00	66.8				6.50	72.4		
CTBS2022	1B SW	CTL-V	CTL-V-3-S4	182	2.50	16.9	742.1	107.7		3.00	20.2	121.4	
CTBS2021	1B SW	CTL-V	CTL-V-3-S4	259	2.50	24.0				3.00	28.8		
CTBS1037	1B SW	CTL-V	CTL-V-3-S5	1298	2.00	96.2			13,828.0	2.50	120.2		16,177.8
CTBS1009	1B SW	CTL-V	CTL-V-3-S5	389	2.00	28.8	3261.7	427.0		2.50	36.0	487.5	
CTBS1141	1B SW	CTL-V	CTL-V-3-S5	516	3.50	66.9				4.00	76.5		

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CTBS2014	1B SW	CTL-V	CTL-V-3-S5	1058	6.00	235.1				6.50	254.7		
CTBS1018	1B SW	CTL-V	CTL-V-3-S6	1016	2.00	75.3	3064.7	189.1		2.50	94.1	245.8	
CTBS2040	1B SW	CTL-V	CTL-V-3-S6	2049	1.50	113.8				2.00	151.8		
CTBS2106	1B SW	CTL-V	CTL-V-3-S7	1330	2.50	123.2				3.00	147.8		
CTBS2095	1B SW	CTL-V	CTL-V-3-S7	679	5.20	130.7				5.70	143.3		
CTBS2070	1B SW	CTL-V	CTL-V-3-S7	607	1.50	33.7				2.00	45.0		
CTBS2098	1B SW	CTL-V	CTL-V-3-S7	1623	1.50	90.2				2.00	120.2		
CTBS1144	1B SW	CTL-V	CTL-V-3-S7	1350	5.00	250.1				5.50	275.1		
CTBS2077	1B SW	CTL-V	CTL-V-3-S7	1153	1.50	64.1				2.00	85.4		
CTBS1030	1B SW	CTL-V	CTL-V-3-S7	1232	2.00	91.3				2.50	114.1		
CTBS2073	1B SW	CTL-V	CTL-V-3-S7	783	1.50	43.5				2.00	58.0		
CTBS2099	1B SW	CTL-V	CTL-V-3-S7	1096	5.00	202.9				5.50	223.2		
CTBS1035	1B SW	CTL-V	CTL-V-3-S7	1995	2.00	147.8				2.50	184.8		
CTBS2079	1B SW	CTL-V	CTL-V-3-S7	1873	1.50	104.0				2.00	138.7		
CTBS1000	1B SW	CTL-V	CTL-V-3-S7	609	6.00	135.2				6.50	146.5		
CTBS1137	1B SW	CTL-V	CTL-V-3-S7	1290	4.00	191.2				4.50	215.1		
CTBS3032	1B SW	CTL-V	CTL-V-3-S7	382	4.00	56.6				4.50	63.7		
CTBS1005	1B SW	CTL-V	CTL-V-3-S7	1530	2.00	113.3				2.50	141.7		
CTBS2110	1B SW	CTL-V	CTL-V-3-S7	1009	1.50	56.1				2.00	74.7		
CTBS02	1B SW	CTL-V	CTL-V-3-S7	472	1.50	26.2				2.00	34.9		
CTBS2085	1B SW	CTL-V	CTL-V-3-S7	1252	2.50	115.9	42432.0	5977.9		3.00	139.1	6,763.7	
CTBS1003	1B SW	CTL-V	CTL-V-3-S7	709	2.00	52.6				2.50	65.7		
CTBS1138	1B SW	CTL-V	CTL-V-3-S7	681	4.00	100.9				4.50	113.5		
CTBS1027	1B SW	CTL-V	CTL-V-3-S7	1211	5.25	235.6				5.75	258.0		
CTBS1147	1B SW	CTL-V	CTL-V-3-S7	1278	6.00	284.0				6.50	307.6		
CTBS1152	1B SW	CTL-V	CTL-V-3-S7	1106	5.00	204.8				5.50	225.2		
CTBS2080	1B SW	CTL-V	CTL-V-3-S7	1536	7.00	398.3				7.50	426.8		
CTBS1001	1B SW	CTL-V	CTL-V-3-S7	921	2.00	68.2				2.50	85.3		
CTBS1036	1B SW	CTL-V	CTL-V-3-S7	2433	2.00	180.3				2.50	225.3		
CTBS1002	1B SW	CTL-V	CTL-V-3-S7	1711	2.00	126.7				2.50	158.4		
CTBS2071	1B SW	CTL-V	CTL-V-3-S7	414	1.50	23.0				2.00	30.7		
CTBS1150	1B SW	CTL-V	CTL-V-3-S7	988	9.00	329.5				9.50	347.8		
CTBS2076	1B SW	CTL-V	CTL-V-3-S7	1168	2.50	108.2				3.00	129.8		
CTBS2078	1B SW	CTL-V	CTL-V-3-S7	469	2.50	43.5				3.00	52.1		
CTBS1022	1B SW	CTL-V	CTL-V-3-S7	817	7.00	211.8				7.50	226.9		
CTBS2018	1B SW	CTL-V	CTL-V-3-S7	648	2.50	60.0				3.00	72.0		
CTBS2082	1B SW	CTL-V	CTL-V-3-S7	2148	7.00	557.0				7.50	596.8		
CTBS2084	1B SW	CTL-V	CTL-V-3-S7	1643	7.00	426.0				7.50	456.4		
CTBS2083	1B SW	CTL-V	CTL-V-3-S7	2283	7.00	591.8				7.50	634.1		
CTBS2041	1B SW	CTL-V	CTL-V-3-S8a	401	2.50	37.1	401.2	37.1		3.00	44.6	44.6	
CTBS2107	1B SW	CTL-V	CTL-V-3-S9	2831	2.50	262.1				3.00	314.5		
CTBS2052	1B SW	CTL-V	CTL-V-3-S9	2125	1.50	118.1				2.00	157.4		
TTBS3061	1B SW	CTL-V	CTL-V-3-S9	827	1.20	36.8				1.70	52.1		
CTBS2050	1B SW	CTL-V	CTL-V-3-S9	421	1.50	23.4				2.00	31.2		
CTBS3035	1B SW	CTL-V	CTL-V-3-S9	3155	1.50	175.3				2.00	233.7		

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CTBS2108	1B SW	CTL-V	CTL-V-3-S9	5249	1.50	291.6	22770.8	1375.7		2.00	388.8	1,797.4	
CTBS2051	1B SW	CTL-V	CTL-V-3-S9	2179	1.50	121.1				2.00	161.4		
TTBS3072	1B SW	CTL-V	CTL-V-3-S9	2064	1.50	114.6				2.00	152.9		
CTBS1109	1B SW	CTL-V	CTL-V-3-S9	1823	1.50	101.3				2.00	135.1		
CTBS1021	1B SW	CTL-V	CTL-V-3-S9	536	2.00	39.7				2.50	49.6		
CTBS1014	1B SW	CTL-V	CTL-V-3-S9	643	2.00	47.6				2.50	59.6		
TTBS3071	1B SW	CTL-V	CTL-V-3-S9	917	1.30	44.2				1.80	61.1		
570	1B SW	CTL-V	CTL-V-3-SV1	2376	6.00	528.00	2376.0	528.0		6.50	572.0	572.0	
AFBS0103	1A Central	APTF	APTF-3-S1	690	2.00	51.1	3411.3	234.7		2.50	63.9	297.9	
AFBS1018	1A Central	APTF	APTF-3-S1	881	2.00	65.2				2.50	81.5		
AFBS0121	1A Central	APTF	APTF-3-S1	870	2.00	64.4				2.50	80.6		
AFBS1020	1A Central	APTF	APTF-3-S1	971	1.50	54.0				2.00	71.9		
AFBS1065	1A Central	APTF	APTF-3-S10	221	2.00	16.4	221.5	16.4		2.50	20.5	20.5	
APTF-2-20	1A Central	APTF	APTF-3-S100	153	6.00	34.1	676.5	106.1		6.50	37.0	118.6	
APTF-2-99	1A Central	APTF	APTF-3-S100	224	4.00	33.2				4.50	37.3		
APTF-2-94	1A Central	APTF	APTF-3-S100	139	4.00	20.5				4.50	23.1		
AFBS0094	1A Central	APTF	APTF-3-S100	75	2.00	5.5				2.50	6.9		
APTF-2-35	1A Central	APTF	APTF-3-S100	86	4.00	12.7				4.50	14.3		
APTF-CH-6	1A Central	APTF	APTF-3-S101	141	2.00	10.4	498.1	66.1		2.50	13.0	75.3	
AFBS0093	1A Central	APTF	APTF-3-S101	116	2.00	8.6				2.50	10.7		
APTF-1-96	1A Central	APTF	APTF-3-S101	89	4.00	13.2				4.50	14.8		
APTF-1-30	1A Central	APTF	APTF-3-S101	68	6.00	15.1				6.50	16.4		
APTF-1-92	1A Central	APTF	APTF-3-S101	85	6.00	18.8				6.50	20.4		
AFBS34	1A Central	APTF	APTF-3-S104	77	1.50	4.3	154.8	10.0		2.00	5.7	12.9	
AFBS0118	1A Central	APTF	APTF-3-S104	78	2.00	5.7				2.50	7.2		
AFBS1041S002	1A Central	APTF	APTF-3-S106	71	1.50	3.9	555.1	25.9		2.00	5.2	36.2	
AFBS1041S070	1A Central	APTF	APTF-3-S106	125	1.50	7.0				2.00	9.3		
AFBS31S04	1A Central	APTF	APTF-3-S106	124	1.00	4.6				1.50	6.9		
AFBS31S71	1A Central	APTF	APTF-3-S106	61	1.00	2.3				1.50	3.4		
AFBS31S05	1A Central	APTF	APTF-3-S106	83	1.00	3.1				1.50	4.6		
AFBS1042	1A Central	APTF	APTF-3-S106	91	1.50	5.1				2.00	6.7		
AFBS1082	1A Central	APTF	APTF-3-S108	294	11.00	119.9	575.6	192.8		11.50	125.3	203.5	
AFBS1004	1A Central	APTF	APTF-3-S108	281	7.00	73.0				7.50	78.2		
APTF-1-1	1A Central	APTF	APTF-3-S109	616	6.00	136.8	615.8	136.8		6.50	148.2	148.2	
AFBS1131	1A Central	APTF	APTF-3-S11	334	1.50	18.6	334.1	18.6		2.00	24.7	24.7	
APTF-CH-13	1A Central	APTF	APTF-3-S112	452	1.50	25.1	452.4	25.1		2.00	33.5	33.5	
AFBS1091	1A Central	APTF	APTF-3-S113	452	2.50	41.9	452.4	41.9		3.00	50.3	50.3	
AFBS1129	1A Central	APTF	APTF-3-S116	283	1.50	15.7	283.2	15.7		2.00	21.0	21.0	
AFBS1119	1A Central	APTF	APTF-3-S117	249	1.50	13.8	248.7	13.8		2.00	18.4	18.4	
AFBS1085	1A Central	APTF	APTF-3-S118	204	1.50	11.3	203.7	11.3	3,624.7	2.00	15.1	15.1	4,125.5
AFBS0119	1A Central	APTF	APTF-3-S119	377	2.00	27.9	377.1	27.9		2.50	34.9	34.9	
AFBS0076	1A Central	APTF	APTF-3-S12	365	3.00	40.6	365.0	40.6		3.50	47.3	47.3	
AFBS1013	1A Central	APTF	APTF-3-S121	759	2.00	56.2	2911.7	576.1		2.50	70.2	630.0	
AFBS1109	1A Central	APTF	APTF-3-S121	1120	7.00	290.3				7.50	311.0		
AFBS1014	1A Central	APTF	APTF-3-S121	1033	6.00	229.6				6.50	248.8		

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AFBS62	1A Central	APTF	APTF-3-S15	175	1.00	6.5	174.5	6.5		1.50	9.7	9.7	
AFBS1089	1A Central	APTF	APTF-3-S16	469	1.50	26.1	1071.6	81.8		2.00	34.8	101.7	
AFBS1088	1A Central	APTF	APTF-3-S16	602	2.50	55.8				3.00	66.9		
AFBS1098	1A Central	APTF	APTF-3-S17	491	2.00	36.4	491.3	36.4		2.50	45.5	45.5	
AFBS1040S070	1A Central	APTF	APTF-3-S18	158	1.50	8.8	329.4	21.5		2.00	11.7	27.6	
AFBS1120	1A Central	APTF	APTF-3-S18	171	2.00	12.7				2.50	15.9		
237	1A Central	APTF	APTF-3-S19	174	1.00	6.46	174.4	6.5		1.50	9.7	9.7	
AFBS1054	1A Central	APTF	APTF-3-S2	367	9.00	122.3	3017.7	569.5		9.50	129.1	625.3	
AFBS1055	1A Central	APTF	APTF-3-S2	658	6.00	146.3				6.50	158.5		
AFBS0151	1A Central	APTF	APTF-3-S2	598	2.50	55.4				3.00	66.5		
AFBS1027	1A Central	APTF	APTF-3-S2	360	6.00	79.9				6.50	86.6		
AFBS01	1A Central	APTF	APTF-3-S2	600	6.00	133.3				6.50	144.4		
APTF-CH-19	1A Central	APTF	APTF-3-S2	434	2.00	32.2				2.50	40.2		
238	1A Central	APTF	APTF-3-S20	174	1.00	6.43	173.7	6.4		1.50	9.7	9.7	
239	1A Central	APTF	APTF-3-S21	167	1.00	6.20	167.4	6.2		1.50	9.3	9.3	
AFBS35	1A Central	APTF	APTF-3-S22	240	1.75	15.6	240.3	15.6		2.25	20.0	20.0	
AFBS1007	1A Central	APTF	APTF-3-S3	424	1.50	23.5	1764.4	321.5		2.00	31.4	354.1	
AFBS1069	1A Central	APTF	APTF-3-S3	587	6.00	130.4				6.50	141.3		
AFBS09	1A Central	APTF	APTF-3-S3	754	6.00	167.5				6.50	181.5		
AFBS12	1A Central	APTF	APTF-3-S5	466	2.50	43.2	6383.8	939.9		3.00	51.8	1,058.1	
AFBS05	1A Central	APTF	APTF-3-S5	673	1.50	37.4				2.00	49.8		
AFBS1100	1A Central	APTF	APTF-3-S5	1513	11.00	616.3				11.50	644.3		
AFBS1080	1A Central	APTF	APTF-3-S5	1663	1.50	92.4				2.00	123.2		
AFBS1079	1A Central	APTF	APTF-3-S5	1105	1.50	61.4				2.00	81.9		
AFBS1008	1A Central	APTF	APTF-3-S5	964	2.50	89.2				3.00	107.1		
AFBS1072	1A Central	APTF	APTF-3-S6	392	2.00	29.0	391.7	29.0		2.50	36.3	36.3	
AFBS1000	1A Central	APTF	APTF-3-S8	326	2.00	24.1	325.8	24.1		2.50	30.2	30.2	
ILBS1526	1A Central	B359	B359-3-S1	2477	1.50	137.6	2476.6	137.6		2.00	183.4	183.4	
AFBS0161	1A Central	B359	B359-3-S10	258	2.50	23.9	258.4	23.9		3.00	28.7	28.7	
BSBS40	1A Central	B359	B359-3-S11	143	2.50	13.2	220.0	19.5		3.00	15.9	23.6	
BSLS03	1A Central	B359	B359-3-S11	77	2.20	6.3				2.70	7.7		
AFBS0158	1A Central	B359	B359-3-S12	314	2.50	29.1	314.4	29.1		3.00	34.9	34.9	
BSBS1080	1A Central	B359	B359-3-S13	230	6.00	51.1	230.0	51.1		6.50	55.4	55.4	
BSBS0134	1A Central	B359	B359-3-S14	429	2.30	36.5	2144.3	216.7		2.80	44.5	256.4	
BSBK16	1A Central	B359	B359-3-S14	237	6.00	52.8				6.50	57.2		
BSLS95	1A Central	B359	B359-3-S14	214	1.04	8.2				1.54	12.2		
BSBK17	1A Central	B359	B359-3-S14	401	1.50	22.3				2.00	29.7		
BSBS02	1A Central	B359	B359-3-S14	660	3.50	85.6				4.00	97.8		
BSBS1022	1A Central	B359	B359-3-S14	203	1.50	11.3				2.00	15.1		
BSBS15	1A Central	B359	B359-3-S15	118	1.50	6.5	216.4	21.2		2.00	8.7	25.2	
BSLR72	1A Central	B359	B359-3-S15	99	4.00	14.6				4.50	16.5		
BSLB66	1A Central	B359	B359-3-S16	50	1.50	2.8	131.8	20.9		2.00	3.7	23.4	
BSBK15	1A Central	B359	B359-3-S16	82	6.00	18.1				6.50	19.6		
BSLB64	1A Central	B359	B359-3-S17	273	10.00	101.3	273.4	101.3		10.50	106.3	106.3	
BSLS28	1A Central	B359	B359-3-S18	338	1.33	16.7	338.4	16.7		1.83	22.9	22.9	

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BSBS1018	1A Central	B359	B359-3-S19	438	7.00	113.7	541.4	140.4		7.50	121.8	150.4	
BSBS1074	1A Central	B359	B359-3-S19	103	7.00	26.7				7.50	28.6		
AFBS1106	1A Central	B359	B359-3-S21b	1265	16.00	749.7	1265.2	749.7		16.50	773.2	773.2	
AFBS1048	1A Central	B359	B359-3-S22b	117	6.00	26.1	2892.8	622.9		6.50	28.3	676.4	
AFBS1044	1A Central	B359	B359-3-S22b	575	7.00	149.0				7.50	159.7		
BSBK11	1A Central	B359	B359-3-S22b	332	8.50	104.4				9.00	110.5		
AFBS19	1A Central	B359	B359-3-S22b	55	2.00	4.1				2.50	5.1		
AFBS18S03	1A Central	B359	B359-3-S22b	299	2.00	22.2				2.50	27.7		
AFBS1045	1A Central	B359	B359-3-S22b	278	7.00	72.0				7.50	77.1		
AFBS56	1A Central	B359	B359-3-S22b	39	1.50	2.2				2.00	2.9		
AFBS19S04	1A Central	B359	B359-3-S22b	286	2.00	21.2				2.50	26.5		
AFBS19S03	1A Central	B359	B359-3-S22b	79	2.00	5.9				2.50	7.3		
BSBS1055	1A Central	B359	B359-3-S22b	833	7.00	215.9				7.50	231.3		
AFBS1076	1A Central	B359	B359-3-S23	172	5.50	35.0	3450.1	258.7		6.00	38.2	322.6	
AFBS19S01	1A Central	B359	B359-3-S23	145	2.00	10.8				2.50	13.5		
AFBS19S02	1A Central	B359	B359-3-S23	737	2.00	54.6				2.50	68.2		
AFBS30	1A Central	B359	B359-3-S23	745	2.00	55.2				2.50	69.0		
AFBS29	1A Central	B359	B359-3-S23	315	1.50	17.5				2.00	23.3		
AFBS0145	1A Central	B359	B359-3-S23	302	2.00	22.3				2.50	27.9		
AFBS57	1A Central	B359	B359-3-S23	69	1.50	3.8				2.00	5.1		
AFBS18S05	1A Central	B359	B359-3-S23	319	2.00	23.6				2.50	29.5		
AFBS1051	1A Central	B359	B359-3-S23	647	1.50	36.0				2.00	47.9		
AFBS1050	1A Central	B359	B359-3-S24	209	7.00	54.1	1433.4	315.8		7.50	58.0	342.3	
BSBK12	1A Central	B359	B359-3-S24	629	2.00	46.6				2.50	58.2		
BSTC19S01	1A Central	B359	B359-3-S24	88	2.50	8.1				3.00	9.8		
BSBS1010	1A Central	B359	B359-3-S24	508	11.00	206.9				11.50	216.3		
BSBS1063	1A Central	B359	B359-3-S25a	309	2.50	28.7	1077.1	99.7		3.00	34.4	119.7	
BSBS1058	1A Central	B359	B359-3-S25a	768	2.50	71.1				3.00	85.3		
BSLR47	1A Central	B359	B359-3-S25b	1011	4.00	149.8	1011.4	149.8		4.50	168.6	168.6	
AFBS0064	1A Central	B359	B359-3-S26	816	1.90	57.4	4817.6	1226.5		2.40	72.5	1,315.7	
AFBS1021	1A Central	B359	B359-3-S26	1169	11.00	476.2				11.50	497.8		
AFBS1081	1A Central	B359	B359-3-S26	1457	11.00	593.4				11.50	620.4		
AFBS0115	1A Central	B359	B359-3-S26	375	2.00	27.8				2.50	34.7		
AFBS33	1A Central	B359	B359-3-S26	132	1.50	7.4				2.00	9.8		
AFBS0116	1A Central	B359	B359-3-S26	709	2.00	52.5				2.50	65.6		
AFBS0117	1A Central	B359	B359-3-S26	160	2.00	11.9				2.50	14.8		
BSLR52	1A Central	B359	B359-3-S27	296	10.00	109.6	1985.2	392.2		10.50	115.1	428.9	
BSBS0143S001	1A Central	B359	B359-3-S27	62	2.00	4.6				2.50	5.7		
BSLS43	1A Central	B359	B359-3-S27	189	1.50	10.5				2.00	14.0		
BSLS72	1A Central	B359	B359-3-S27	117	1.50	6.5				2.00	8.7		
BSBS0143S070	1A Central	B359	B359-3-S27	50	2.00	3.7				2.50	4.6		
BSBR06	1A Central	B359	B359-3-S27	124	10.50	48.2				11.00	50.4		
BSBS05	1A Central	B359	B359-3-S27	573	4.00	84.8				4.50	95.5		
BSLX21	1A Central	B359	B359-3-S27	244	9.00	81.4				9.50	86.0		
BSTC19S04	1A Central	B359	B359-3-S27	330	3.50	42.8				4.00	48.9		

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BSBS27	1A Central	B359	B359-3-S28	226	10.00	83.6				10.50	87.8		
BSLR50	1A Central	B359	B359-3-S28	383	10.00	142.0				10.50	149.1		
BSBS08	1A Central	B359	B359-3-S28	30	14.50	16.1				15.00	16.6		
BSBK0054	1A Central	B359	B359-3-S28	43	10.00	15.8				10.50	16.5		
BSLC19S03	1A Central	B359	B359-3-S28	111	1.40	5.8				1.90	7.8		
BSLC19S07	1A Central	B359	B359-3-S28	365	2.50	33.8	2116.4	571.5		3.00	40.6	610.7	
BSBR08	1A Central	B359	B359-3-S28	152	9.00	50.7				9.50	53.6		
BSBS1006	1A Central	B359	B359-3-S28	386	7.00	100.1				7.50	107.3		
BSTC19S14	1A Central	B359	B359-3-S28	65	5.00	12.1				5.50	13.3		
BSLC19S05	1A Central	B359	B359-3-S28	57	2.50	5.3				3.00	6.4		
BSLC19S17	1A Central	B359	B359-3-S28	27	6.00	6.1				6.50	6.6		
BSBS1007	1A Central	B359	B359-3-S28	271	10.00	100.2				10.50	105.2		
BSBS23	1A Central	B359	B359-3-S29	309	16.00	183.2	309.2	183.2		16.50	189.0	189.0	
ILBS1124	1A Central	B359	B359-3-S2a	941	11.00	383.5	1640.9	668.5		11.50	400.9	698.9	
BSBS1040	1A Central	B359	B359-3-S2a	700	11.00	285.0				11.50	298.0		
BSTS31S01	1A Central	B359	B359-3-S2b	408	7.00	105.9				7.50	113.5		
BSBS0161	1A Central	B359	B359-3-S2b	409	10.00	151.5	1492.9	294.9		10.50	159.1	322.6	
BSBS1042	1A Central	B359	B359-3-S2b	675	1.50	37.5				2.00	50.0		
BSBS1000	1A Central	B359	B359-3-S3	1555	1.50	86.4				2.00	115.2		
BSBS1037	1A Central	B359	B359-3-S3	811	1.50	45.0				2.00	60.0		
BSTC25S11	1A Central	B359	B359-3-S3	742	3.50	96.2				4.00	110.0		
BSTS07S01	1A Central	B359	B359-3-S3	104	2.50	9.7	5037.3	355.5		3.00	11.6	448.8	
BSBS1038	1A Central	B359	B359-3-S3	745	1.50	41.4				2.00	55.2		
BSBK13	1A Central	B359	B359-3-S3	749	1.00	27.7				1.50	41.6		
BSTC25S08	1A Central	B359	B359-3-S3	99	4.00	14.7				4.50	16.5		
BSTC25S10	1A Central	B359	B359-3-S3	232	4.00	34.4				4.50	38.7		
BSBS1004	1A Central	B359	B359-3-S30	347	5.00	64.3				5.50	70.7		
BSLC19S08	1A Central	B359	B359-3-S30	104	2.50	9.7	805.1	139.4		3.00	11.6	154.3	
BSBK01	1A Central	B359	B359-3-S30	354	5.00	65.5				5.50	72.0		
BSLB62	1A Central	B359	B359-3-S31	915	9.00	304.8	914.5	304.8		9.50	321.8	321.8	
BSBS24	1A Central	B359	B359-3-S32	574	1.50	31.9	573.7	31.9		2.00	42.5	42.5	
BSBS37	1A Central	B359	B359-3-S33	326	10.00	120.6	625.9	220.7		10.50	126.7	232.3	
BSTS28	1A Central	B359	B359-3-S33	300	9.00	100.1				9.50	105.6		
BSBK04	1A Central	B359	B359-3-S34	386	2.00	28.6	386.4	28.6		2.50	35.8	35.8	
BSBS1045	1A Central	B359	B359-3-S37	948	1.50	52.7				2.00	70.2		
BSLS33	1A Central	B359	B359-3-S37	614	1.50	34.1				2.00	45.5		
BSLS21	1A Central	B359	B359-3-S37	1280	1.04	49.3	5694.8	850.7		1.54	73.0	956.2	
BSBS0104	1A Central	B359	B359-3-S37	723	5.50	147.2				6.00	160.6		
BSBK48	1A Central	B359	B359-3-S37	1117	11.00	454.9				11.50	475.5		
BSLS11	1A Central	B359	B359-3-S37	1013	3.00	112.5				3.50	131.3		
BSBR12	1A Central	B359	B359-3-S38	285	4.50	47.4				5.00	52.7		
BSTS0034B	1A Central	B359	B359-3-S38	1065	11.00	433.7	3595.4	632.9		11.50	453.5	699.4	
BSBS1031	1A Central	B359	B359-3-S38	1520	1.50	84.4				2.00	112.6		
BSBS1027	1A Central	B359	B359-3-S38	726	2.50	67.2				3.00	80.7		
BSBS0139	1A Central	B359	B359-3-S4	713	2.00	52.8	712.8	52.8		2.50	66.0	66.0	

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BSTC25S07	1A Central	B359	B359-3-S40	512	3.50	66.3	511.5	66.3		4.00	75.8	75.8	
BSBS1034	1A Central	B359	B359-3-S41	760	5.00	140.8	760.2	140.8		5.50	154.9	154.9	
BSBS0160	1A Central	B359	B359-3-S42	154	2.50	14.3				3.00	17.1		
BSLR75	1A Central	B359	B359-3-S42	273	1.50	15.2				2.00	20.2		
BSLR76	1A Central	B359	B359-3-S42	159	1.50	8.8	1215.0	95.0		2.00	11.8	117.5	
BSLS18	1A Central	B359	B359-3-S42	333	1.04	12.8				1.54	19.0		
BSLR55	1A Central	B359	B359-3-S42	296	4.00	43.9				4.50	49.4		
BSBR07	1A Central	B359	B359-3-S43	657	4.50	109.5				5.00	121.7		
BSLR88	1A Central	B359	B359-3-S43	523	1.00	19.4				1.50	29.0		
BSLS23	1A Central	B359	B359-3-S43	634	1.35	31.7	4207.1	885.3		1.85	43.4	963.2	
BSBK0055	1A Central	B359	B359-3-S43	922	11.00	375.5				11.50	392.5		
BSLS89	1A Central	B359	B359-3-S43	591	1.04	22.8				1.54	33.7		
BSLR53	1A Central	B359	B359-3-S43	882	10.00	326.5				10.50	342.8		
BSTS20	1A Central	B359	B359-3-S44	395	5.00	73.2	793.3	95.3		5.50	80.6	110.0	
BSBS06	1A Central	B359	B359-3-S44	398	1.50	22.1				2.00	29.5		
BSTS24	1A Central	B359	B359-3-S45	664	9.00	221.4				9.50	233.7		
BSLR51	1A Central	B359	B359-3-S45	1049	10.00	388.4	1933.2	662.9		10.50	407.8	698.7	
BSBR18	1A Central	B359	B359-3-S45	220	6.50	53.1				7.00	57.1		
BSLC19S13	1A Central	B359	B359-3-S46b	41	6.00	9.1				6.50	9.8		
BSBS35	1A Central	B359	B359-3-S46b	126	10.00	46.5				10.50	48.9		
BSLS08	1A Central	B359	B359-3-S46b	103	10.00	38.0				10.50	39.9		
BSLS78	1A Central	B359	B359-3-S46b	834	1.50	46.3				2.00	61.8		
BSBK52	1A Central	B359	B359-3-S46b	308	11.00	125.4				11.50	131.1		
BSLS54	1A Central	B359	B359-3-S46b	459	1.50	25.5				2.00	34.0		
BSLS16	1A Central	B359	B359-3-S46b	165	1.33	8.1				1.83	11.2		
BSLR80	1A Central	B359	B359-3-S46b	292	1.50	16.2				2.00	21.6		
BSLS42	1A Central	B359	B359-3-S46b	137	1.50	7.6				2.00	10.1		
BSLS53	1A Central	B359	B359-3-S46b	404	1.50	22.5				2.00	30.0		
BSLS27	1A Central	B359	B359-3-S46b	334	1.33	16.4				1.83	22.6		
BSBT02	1A Central	B359	B359-3-S46b	257	1.04	9.9	6733.4	774.1		1.54	14.7	898.8	
BSBR19	1A Central	B359	B359-3-S46b	496	6.50	119.4				7.00	128.6		
BSBS45	1A Central	B359	B359-3-S46b	92	2.00	6.8				2.50	8.5		
BSBS1013	1A Central	B359	B359-3-S46b	162	2.50	15.0				3.00	18.0		
BSLS52	1A Central	B359	B359-3-S46b	370	1.50	20.6				2.00	27.4		
BSLR61	1A Central	B359	B359-3-S46b	517	7.00	134.1			18,260.6	7.50	143.7		20,343.5
BSBS1008	1A Central	B359	B359-3-S46b	38	4.00	5.7				4.50	6.4		
BSBS0144S003	1A Central	B359	B359-3-S46b	102	2.00	7.5				2.50	9.4		
BSBS0144S070	1A Central	B359	B359-3-S46b	139	2.00	10.3				2.50	12.8		
BSLR89	1A Central	B359	B359-3-S46b	339	1.00	12.5				1.50	18.8		
BSBS46	1A Central	B359	B359-3-S46b	481	2.00	35.6				2.50	44.5		
BSBS1009	1A Central	B359	B359-3-S46b	486	1.50	27.0				2.00	36.0		
BSLC19S11	1A Central	B359	B359-3-S46b	53	4.00	7.9				4.50	8.9		
BSBS1061	1A Central	B359	B359-3-S46a	270	10.00	100.1				10.50	105.1		
BSLS13	1A Central	B359	B359-3-S46a	172	10.00	63.9				10.50	67.1		
BSLR49	1A Central	B359	B359-3-S46a	448	10.00	166.1				10.50	174.4		

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BSBS1005	1A Central	B359	B359-3-S46a	38	10.00	14.2				10.50	14.9		
BSBK02	1A Central	B359	B359-3-S46a	495	13.00	238.1				13.50	247.3		
BSBK03	1A Central	B359	B359-3-S46a	236	12.00	105.0				12.50	109.4		
BSLX29S01	1A Central	B359	B359-3-S46a	178	2.50	16.5				3.00	19.7		
BSLS83	1A Central	B359	B359-3-S46a	289	1.50	16.0	3286.3	938.5		2.00	21.4	999.3	
BSTS33S01	1A Central	B359	B359-3-S46a	154	6.00	34.2				6.50	37.1		
BSLR78	1A Central	B359	B359-3-S46a	185	1.50	10.3				2.00	13.7		
BSLX29S02	1A Central	B359	B359-3-S46a	46	2.50	4.3				3.00	5.1		
BSLC19S02	1A Central	B359	B359-3-S46a	103	3.50	13.4				4.00	15.3		
BSLS70	1A Central	B359	B359-3-S46a	145	1.50	8.1				2.00	10.7		
BSBS07	1A Central	B359	B359-3-S46a	162	4.50	27.1				5.00	30.1		
BSLX22	1A Central	B359	B359-3-S46a	268	9.00	89.3				9.50	94.3		
BSLX23	1A Central	B359	B359-3-S46a	96	9.00	32.0				9.50	33.8		
BSBS1059	1A Central	B359	B359-3-S47a	324	10.00	120.0				10.50	126.0		
BSLS07	1A Central	B359	B359-3-S47a	124	10.00	46.1				10.50	48.4		
BSBS34	1A Central	B359	B359-3-S47a	102	10.00	37.9				10.50	39.8		
BSLS49	1A Central	B359	B359-3-S47a	658	1.50	36.6				2.00	48.8		
BSLS48	1A Central	B359	B359-3-S47a	330	1.50	18.3				2.00	24.4		
BSLS32	1A Central	B359	B359-3-S47a	2	1.33	0.1	2785.1	500.7		1.83	0.2	552.2	
BSBS1012	1A Central	B359	B359-3-S47a	423	11.00	172.3				11.50	180.1		
BSLR82	1A Central	B359	B359-3-S47a	305	1.50	17.0				2.00	22.6		
BSBS1011	1A Central	B359	B359-3-S47a	324	2.50	30.0				3.00	36.0		
BSBS1014	1A Central	B359	B359-3-S47a	62	7.00	16.0				7.50	17.2		
BSBT04	1A Central	B359	B359-3-S47a	130	1.33	6.4				1.83	8.8		
BSLS46	1A Central	B359	B359-3-S47b	497	1.50	27.6				2.00	36.8		
BSBK10	1A Central	B359	B359-3-S47b	213	6.00	47.4	824.6	113.0		6.50	51.4	128.3	
BSBK0057	1A Central	B359	B359-3-S47b	114	9.00	38.0				9.50	40.1		
AFBS0156	1A Central	B359	B359-3-S48	227	2.50	21.0	226.7	21.0		3.00	25.2	25.2	
BSBS0137	1A Central	B359	B359-3-S49	106	2.00	7.9	235.0	19.8		2.50	9.8	24.1	
AFBS0157	1A Central	B359	B359-3-S49	129	2.50	11.9				3.00	14.3		
BSTS10	1A Central	B359	B359-3-S5	32	2.50	3.0	32.0	3.0		3.00	3.6	3.6	
BSBS20	1A Central	B359	B359-3-S50	1049	11.00	427.5	1490.9	525.7		11.50	447.0	553.3	
BSBS0138	1A Central	B359	B359-3-S50	441	6.00	98.1				6.50	106.3		
BSBS1093	1A Central	B359	B359-3-S51	707	1.50	39.3	706.9	39.3		2.00	52.4	52.4	
AFBS0159	1A Central	B359	B359-3-S52	253	2.50	23.4				3.00	28.1		
BSLS04	1A Central	B359	B359-3-S52	381	3.50	49.4				4.00	56.5		
BSLR45	1A Central	B359	B359-3-S52	150	3.00	16.7				3.50	19.4		
BSLS14	1A Central	B359	B359-3-S52	457	1.50	25.4				2.00	33.8		
BSBR23	1A Central	B359	B359-3-S52	648	2.50	60.0				3.00	72.0		
BSBS73	1A Central	B359	B359-3-S52	972	6.00	216.0				6.50	234.0		
BSLR46	1A Central	B359	B359-3-S52	123	2.00	9.1	4589.2	513.6		2.50	11.4	598.6	
BSBS10	1A Central	B359	B359-3-S52	292	1.50	16.2				2.00	21.7		
BSLS26	1A Central	B359	B359-3-S52	19	1.33	0.9				1.83	1.3		
BSBT01	1A Central	B359	B359-3-S52	87	1.33	4.3				1.83	5.9		
BSBS42	1A Central	B359	B359-3-S52	286	1.50	15.9				2.00	21.2		

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BSBS41	1A Central	B359	B359-3-S52	140	3.00	15.6				3.50	18.1		
BSLR29	1A Central	B359	B359-3-S52	269	4.00	39.9				4.50	44.9		
BSBS53	1A Central	B359	B359-3-S52	513	1.10	20.9				1.60	30.4		
BSBS75	1A Central	B359	B359-3-S53	1375	10.00	509.2				10.50	534.6		
BSLR44	1A Central	B359	B359-3-S53	290	4.00	43.0				4.50	48.4		
BSBS49	1A Central	B359	B359-3-S53	668	2.00	49.5				2.50	61.8		
BSBS0150	1A Central	B359	B359-3-S53	1059	2.00	78.4				2.50	98.1		
BSLR01	1A Central	B359	B359-3-S53	324	4.00	48.0				4.50	54.0		
BSLS30	1A Central	B359	B359-3-S53	750	1.04	28.9				1.54	42.8		
BSBS1047	1A Central	B359	B359-3-S53	233	2.50	21.6	7766.1	982.3		3.00	25.9	1,126.1	
BSLS65	1A Central	B359	B359-3-S53	140	1.50	7.8				2.00	10.4		
BSBS43	1A Central	B359	B359-3-S53	292	3.50	37.9				4.00	43.3		
BSLS02	1A Central	B359	B359-3-S53	351	1.50	19.5				2.00	26.0		
BSBS51	1A Central	B359	B359-3-S53	422	1.25	19.6				1.75	27.4		
BSBS50	1A Central	B359	B359-3-S53	671	1.25	31.0				1.75	43.5		
BSBS1043	1A Central	B359	B359-3-S53	590	2.50	54.7				3.00	65.6		
BSLS82	1A Central	B359	B359-3-S53	600	1.50	33.3				2.00	44.4		
BSBK0056	1A Central	B359	B359-3-S54	792	10.00	293.4				10.50	308.1		
BSLR90	1A Central	B359	B359-3-S54	661	6.00	146.9				6.50	159.2		
BSBS61	1A Central	B359	B359-3-S54	352	4.00	52.1				4.50	58.7		
BSLX09	1A Central	B359	B359-3-S54	663	1.50	36.9				2.00	49.1		
BSBS1069	1A Central	B359	B359-3-S54	546	1.50	30.4				2.00	40.5		
BSBS1083	1A Central	B359	B359-3-S54	273	1.50	15.1				2.00	20.2		
BSBR04	1A Central	B359	B359-3-S54	511	3.00	56.8				3.50	66.3		
BSBS0102	1A Central	B359	B359-3-S54	244	5.50	49.6				6.00	54.1		
BSLS34	1A Central	B359	B359-3-S54	340	1.50	18.9				2.00	25.2		
BSBS1021	1A Central	B359	B359-3-S54	196	7.00	50.7				7.50	54.3		
BSLS75	1A Central	B359	B359-3-S54	355	1.50	19.7				2.00	26.3		
BSLC30S02	1A Central	B359	B359-3-S54	132	1.50	7.3				2.00	9.8		
BSLC30S01	1A Central	B359	B359-3-S54	313	2.50	29.0				3.00	34.8		
BSLX15	1A Central	B359	B359-3-S54	543	2.00	40.2	11508.4	1297.9		2.50	50.3	1,511.0	
BSBR11	1A Central	B359	B359-3-S54	290	2.50	26.9				3.00	32.2		
BSBS21	1A Central	B359	B359-3-S54	216	7.50	59.9				8.00	63.9		
BSLS90	1A Central	B359	B359-3-S54	1161	1.04	44.7				1.54	66.2		
BSLS36	1A Central	B359	B359-3-S54	838	1.50	46.5				2.00	62.1		
BSBK06	1A Central	B359	B359-3-S54	545	1.50	30.3				2.00	40.3		
BSLB65	1A Central	B359	B359-3-S54	337	1.50	18.7				2.00	25.0		
BSLB63	1A Central	B359	B359-3-S54	177	1.50	9.8				2.00	13.1		
BSLC26S05	1A Central	B359	B359-3-S54	217	3.50	28.2				4.00	32.2		
BSLS91	1A Central	B359	B359-3-S54	391	1.50	21.7				2.00	29.0		
BSBK49	1A Central	B359	B359-3-S54	212	5.00	39.2				5.50	43.1		
BSLS88	1A Central	B359	B359-3-S54	118	1.04	4.5				1.54	6.7		
BSLS80	1A Central	B359	B359-3-S54	571	1.50	31.7				2.00	42.3		
BSBS0103	1A Central	B359	B359-3-S54	162	11.50	68.9				12.00	71.9		
BSLS81	1A Central	B359	B359-3-S54	353	1.50	19.6				2.00	26.1		

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BSLS60	1A Central	B359	B359-3-S55	324	1.50	18.0				2.00	24.0		
BSLS20	1A Central	B359	B359-3-S55	741	1.04	28.6				1.54	42.3		
BSLS35	1A Central	B359	B359-3-S55	585	1.50	32.5				2.00	43.3		
BSLS62	1A Central	B359	B359-3-S55	185	1.50	10.3				2.00	13.7		
BSLB67	1A Central	B359	B359-3-S55	237	1.50	13.2				2.00	17.5		
BSLS37	1A Central	B359	B359-3-S55	316	1.50	17.6				2.00	23.4		
BSBS44	1A Central	B359	B359-3-S55	371	2.00	27.5				2.50	34.3		
BSLR63	1A Central	B359	B359-3-S55	213	7.00	55.1				7.50	59.1		
BSBS36	1A Central	B359	B359-3-S55	377	3.00	41.8				3.50	48.8		
BSBS0129	1A Central	B359	B359-3-S55	140	4.00	20.7				4.50	23.3		
BSBS68	1A Central	B359	B359-3-S55	58	1.50	3.2				2.00	4.3		
BSTC27S03	1A Central	B359	B359-3-S55	202	3.50	26.2				4.00	29.9		
BSBS0119S02	1A Central	B359	B359-3-S55	336	3.75	46.7	7485.5	653.3		4.25	52.9	792.0	
BSLS85	1A Central	B359	B359-3-S55	251	1.04	9.7				1.54	14.3		
BSLS61	1A Central	B359	B359-3-S55	375	1.50	20.8				2.00	27.8		
BSBS1019	1A Central	B359	B359-3-S55	226	7.00	58.6				7.50	62.8		
BSLS64	1A Central	B359	B359-3-S55	138	1.50	7.7				2.00	10.2		
BSLS63	1A Central	B359	B359-3-S55	206	1.50	11.4				2.00	15.2		
BSLS57	1A Central	B359	B359-3-S55	371	1.50	20.6				2.00	27.4		
BSLS56	1A Central	B359	B359-3-S55	314	1.50	17.5				2.00	23.3		
BSLS55	1A Central	B359	B359-3-S55	472	1.50	26.2				2.00	34.9		
BSBR05	1A Central	B359	B359-3-S55	154	5.00	28.5				5.50	31.3		
BSLS59	1A Central	B359	B359-3-S55	329	1.50	18.3				2.00	24.4		
BSLS58	1A Central	B359	B359-3-S55	199	1.50	11.1				2.00	14.8		
BSLR91	1A Central	B359	B359-3-S55	368	6.00	81.8				6.50	88.6		
BSBS1030	1A Central	B359	B359-3-S56	1375	2.50	127.3	3207.1	602.3		3.00	152.8	661.7	
BSBS1070	1A Central	B359	B359-3-S56	1832	7.00	474.9				7.50	508.9		
	1A Central	B359	B359-3-S58	493	2.00	36.5	493.3	36.5		2.50	45.7	45.7	
	1A Central	B359	B359-3-S59	553	2.00	41.0	553.1	41.0		2.50	51.2	51.2	
BSBS1033	1A Central	B359	B359-3-S6	82	1.50	4.5				2.00	6.1		
BSBK43	1A Central	B359	B359-3-S6	85	4.50	14.2				5.00	15.8		
BSBK40	1A Central	B359	B359-3-S6	119	4.50	19.8				5.00	22.0		
BSBK41	1A Central	B359	B359-3-S6	95	2.00	7.1	617.7	61.3		2.50	8.8	72.8	
BSBK42	1A Central	B359	B359-3-S6	70	2.00	5.2				2.50	6.5		
BSBS70	1A Central	B359	B359-3-S6	96	1.50	5.4				2.00	7.1		
BSBK45	1A Central	B359	B359-3-S6	70	2.00	5.2				2.50	6.5		
BSBK46	1A Central	B359	B359-3-S7	272	2.50	25.2				3.00	30.3		
BSBK44	1A Central	B359	B359-3-S7	272	5.00	50.4				5.50	55.5		
BSTS09	1A Central	B359	B359-3-S7	262	2.50	24.3	1223.6	137.5		3.00	29.1	160.2	
BSBK47	1A Central	B359	B359-3-S7	260	3.00	28.8				3.50	33.6		
BSBS69	1A Central	B359	B359-3-S7	157	1.50	8.7				2.00	11.6		
BSBS1048	1A Central	B359	B359-3-S9	307	11.00	125.2	307.3	125.2		11.50	130.9	130.9	
HNBS0112	1A Central	HVN	HVN-3-S10	401	6.00	89.1	401.1	89.1		6.50	96.6	96.6	
HNBS0103	1A Central	HVN	HVN-3-S11	401	16.00	237.7	401.1	237.7		16.50	245.1	245.1	
HNBS0124	1A Central	HVN	HVN-3-S12	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	

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HNBS0011	1A Central	HVN	HVN-3-S13	193	7.00	50.2	949.4	344.1		7.50	53.7	361.7	
HNBS0034	1A Central	HVN	HVN-3-S13	756	10.50	294.0				11.00	308.0		
HNBS0003	1A Central	HVN	HVN-3-S14	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
HNBS0009	1A Central	HVN	HVN-3-S16	846	6.50	203.7	846.0	203.7		7.00	219.3	219.3	
HNBS0001	1A Central	HVN	HVN-3-S17	293	2.00	21.7	293.4	21.7		2.50	27.2	27.2	
HVBS19	1A Central	HVN	HVN-3-S18	550	1.50	30.6	623.0	37.3		2.00	40.7	48.9	
HNBS0111	1A Central	HVN	HVN-3-S18	73	2.50	6.8				3.00	8.1		
HVBS11	1A Central	HVN	HVN-3-S19	484	7.00	125.6	910.9	157.2		7.50	134.5	174.0	
HVBS38	1A Central	HVN	HVN-3-S19	427	2.00	31.6				2.50	39.5		
HNBS0002	1A Central	HVN	HVN-3-S2	600	2.00	44.4	1250.9	80.6		2.50	55.5	103.8	
HVBS18	1A Central	HVN	HVN-3-S2	651	1.50	36.2				2.00	48.2		
HNBS0113	1A Central	HVN	HVN-3-S20	497	1.50	27.6	497.2	27.6		2.00	36.8	36.8	
HVLX35	1A Central	HVN	HVN-3-S21	507	1.50	28.2	507.4	28.2		2.00	37.6	37.6	
HVLC09S33	1A Central	HVN	HVN-3-S22	74	1.50	4.1				2.00	5.5		
BSLR85	1A Central	HVN	HVN-3-S22	113	1.50	6.3	295.5	16.4		2.00	8.3	21.9	
BSLR86	1A Central	HVN	HVN-3-S22	109	1.50	6.0				2.00	8.0		
HNBS0100	1A Central	HVN	HVN-3-S4	401	11.00	163.4	401.2	163.4		11.50	170.9	170.9	
HVBS0100	1A Central	HVN	HVN-3-S6	240	14.00	124.4				14.50	128.8		
HVTC09S42	1A Central	HVN	HVN-3-S6	237	3.50	30.7				4.00	35.1		
HVTC09S41	1A Central	HVN	HVN-3-S6	337	3.00	37.4				3.50	43.7		
HVBD79	1A Central	HVN	HVN-3-S6	475	1.50	26.4				2.00	35.2		
HVTC09S07	1A Central	HVN	HVN-3-S6	570	3.00	63.4				3.50	73.9		
HVTC09S21	1A Central	HVN	HVN-3-S6	344	3.00	38.2				3.50	44.5		
HVLC09S10	1A Central	HVN	HVN-3-S6	156	3.00	17.4				3.50	20.3		
HVLC09S43	1A Central	HVN	HVN-3-S6	66	3.50	8.5				4.00	9.7		
HVLS24	1A Central	HVN	HVN-3-S6	110	3.50	14.3				4.00	16.3		
HVTC09S08	1A Central	HVN	HVN-3-S6	293	3.00	32.5	4838.4	645.8		3.50	37.9	735.4	
HVBD78	1A Central	HVN	HVN-3-S6	446	1.50	24.8				2.00	33.0		
HVBD75	1A Central	HVN	HVN-3-S6	341	3.50	44.1				4.00	50.4		
HVTC09S44	1A Central	HVN	HVN-3-S6	106	3.50	13.7				4.00	15.7		
HVTC09S12	1A Central	HVN	HVN-3-S6	219	3.50	28.4				4.00	32.4		
BSLR84	1A Central	HVN	HVN-3-S6	83	1.50	4.6				2.00	6.1		
BSLR83	1A Central	HVN	HVN-3-S6	165	1.50	9.2				2.00	12.2		
BSLR35	1A Central	HVN	HVN-3-S6	324	2.00	24.0				2.50	30.0		
BSLR03	1A Central	HVN	HVN-3-S6	162	8.00	47.9				8.50	50.9		
HVBS36	1A Central	HVN	HVN-3-S6	168	9.00	56.1				9.50	59.2		
HVBS50	1A Central	HVN	HVN-3-S7	589	10.00	218.1				10.50	229.1		
HVBF15	1A Central	HVN	HVN-3-S7	952	10.00	352.6				10.50	370.2		
HNBS0122	1A Central	HVN	HVN-3-S7	914	10.00	338.5			9,518.0	10.50	355.4		10,131.1
HNBS0012	1A Central	HVN	HVN-3-S7	619	10.00	229.2				10.50	240.7		
HVBS35	1A Central	HVN	HVN-3-S7	256	10.00	94.9				10.50	99.6		
HVBS09	1A Central	HVN	HVN-3-S7	293	10.00	108.4				10.50	113.9		
HVBD86	1A Central	HVN	HVN-3-S7	901	10.00	333.7				10.50	350.4		
HNBS0006	1A Central	HVN	HVN-3-S7	2188	10.00	810.2				10.50	850.7		
HVBD88	1A Central	HVN	HVN-3-S7	1040	10.00	385.2				10.50	404.5		

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HVBD83	1A Central	HVN	HVN-3-S7	1003	10.00	371.5				10.50	390.1		
HVBD87	1A Central	HVN	HVN-3-S7	1772	10.00	656.4				10.50	689.3		
HVBD82	1A Central	HVN	HVN-3-S7	480	10.00	177.7				10.50	186.6		
BSLR87	1A Central	HVN	HVN-3-S7	42	10.00	15.7				10.50	16.5		
HVTC09S37	1A Central	HVN	HVN-3-S7	332	10.00	123.1				10.50	129.2		
HVTC09S03	1A Central	HVN	HVN-3-S7	422	10.00	156.2				10.50	164.0		
HVTC09S22	1A Central	HVN	HVN-3-S7	147	10.00	54.5				10.50	57.2		
HNBS0021	1A Central	HVN	HVN-3-S7	331	10.00	122.5				10.50	128.7		
HVBF14	1A Central	HVN	HVN-3-S7	519	10.00	192.3				10.50	201.9		
HVBD81	1A Central	HVN	HVN-3-S7	411	10.00	152.3				10.50	159.9		
HVTC09S40	1A Central	HVN	HVN-3-S7	175	10.00	64.7				10.50	68.0		
HVSS06	1A Central	HVN	HVN-3-S7	273	10.00	101.3				10.50	106.3		
HVBD90	1A Central	HVN	HVN-3-S7	569	10.00	210.9				10.50	221.4		
HVBF42	1A Central	HVN	HVN-3-S7	113	10.00	41.7	20089.1	7413.1		10.50	43.8	7,785.1	
HVLB12	1A Central	HVN	HVN-3-S7	269	10.00	99.5				10.50	104.5		
HVBK93	1A Central	HVN	HVN-3-S7	346	10.00	128.0				10.50	134.4		
HVTC09S39	1A Central	HVN	HVN-3-S7	78	10.00	28.8				10.50	30.2		
HVTC09S25	1A Central	HVN	HVN-3-S7	233	10.00	86.2				10.50	90.6		
HVTC09S17	1A Central	HVN	HVN-3-S7	304	10.00	112.6				10.50	118.2		
BSLR39	1A Central	HVN	HVN-3-S7	198	10.00	73.4				10.50	77.1		
HVLB03	1A Central	HVN	HVN-3-S7	422	10.00	156.2				10.50	164.0		
HVTC09S27	1A Central	HVN	HVN-3-S7	180	10.00	66.8				10.50	70.1		
BSBR02	1A Central	HVN	HVN-3-S7	180	10.00	66.6				10.50	69.9		
HNBS0105	1A Central	HVN	HVN-3-S7	675	10.00	250.0				10.50	262.5		
HVTC09S35	1A Central	HVN	HVN-3-S7	420	10.00	155.5				10.50	163.2		
HVTC09S36	1A Central	HVN	HVN-3-S7	227	10.00	84.0				10.50	88.2		
HVTC09S26	1A Central	HVN	HVN-3-S7	134	10.00	49.5				10.50	52.0		
HVTC09S24	1A Central	HVN	HVN-3-S7	304	10.00	112.6				10.50	118.3		
HVTC09S38	1A Central	HVN	HVN-3-S7	307	10.00	113.9				10.50	119.6		
HVBS71	1A Central	HVN	HVN-3-S7	343	10.00	127.1				10.50	133.5		
HVLK94	1A Central	HVN	HVN-3-S7	497	10.00	184.2				10.50	193.4		
HVBS12	1A Central	HVN	HVN-3-S7	127	10.00	47.0				10.50	49.3		
HVBS13	1A Central	HVN	HVN-3-S7	96	10.00	35.4				10.50	37.2		
HNBS0018	1A Central	HVN	HVN-3-S7	48	2.00	3.6				2.50	4.5		
HNBS0015	1A Central	HVN	HVN-3-S7	44	2.00	3.3				2.50	4.1		
HVBS03	1A Central	HVN	HVN-3-S7	316	10.00	117.1				10.50	122.9		
BABS1155	1B North	Bowl	BOWL-3-S1	66	1.50	3.7	66.0	3.7		2.00	4.9	4.9	
BABS2061	1B North	Bowl	BOWL-3-S10	1573	1.50	87.4				2.00	116.5		
BABS06	1B North	Bowl	BOWL-3-S10	2116	6.00	470.3				6.50	509.5		
B-4-03	1B North	Bowl	BOWL-3-S10	895	1.50	49.7				2.00	66.3		
BABS09	1B North	Bowl	BOWL-3-S10	1915	1.50	106.4	10042.4	1067.2		2.00	141.9	1,253.2	
BABS2058	1B North	Bowl	BOWL-3-S10	1616	1.50	89.8				2.00	119.7		
B-4-02	1B North	Bowl	BOWL-3-S10	870	1.50	48.3				2.00	64.4		
BABS1019	1B North	Bowl	BOWL-3-S10	1057	5.50	215.3				6.00	234.9		
BABS60S02	1B North	Bowl	BOWL-3-S100	253	1.50	14.0				2.00	18.7		

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BABS60S03	1B North	Bowl	BOWL-3-S100	288	1.50	16.0	1008.8	56.0		2.00	21.4	74.7	
BABS60S70	1B North	Bowl	BOWL-3-S100	116	1.50	6.4				2.00	8.6		
BABS60S01	1B North	Bowl	BOWL-3-S100	352	1.50	19.5				2.00	26.0		
BABS1169	1B North	Bowl	BOWL-3-S102	281	10.00	104.1	794.6	227.7		10.50	109.3	242.5	
BABS1174	1B North	Bowl	BOWL-3-S102	513	6.50	123.6				7.00	133.1		
BABS1172	1B North	Bowl	BOWL-3-S103	314	10.50	122.2	314.2	122.2		11.00	128.0	128.0	
BABS2032	1B North	Bowl	BOWL-3-S105	314	2.50	29.1	314.1	29.1		3.00	34.9	34.9	
BABS1108	1B North	Bowl	BOWL-3-S106	1021	11.00	416.0	3456.6	775.7		11.50	434.9	839.7	
BABS1109	1B North	Bowl	BOWL-3-S106	955	6.00	212.2				6.50	229.9		
BABS1007	1B North	Bowl	BOWL-3-S106	1141	2.00	84.5				2.50	105.6		
BABS1168	1B North	Bowl	BOWL-3-S106	340	5.00	62.9				5.50	69.2		
B-4-05	1B North	Bowl	BOWL-3-S107	1085	1.00	40.2	3887.9	488.6		1.50	60.3	560.6	
BABS1121	1B North	Bowl	BOWL-3-S107	1457	6.00	323.8				6.50	350.7		
BABS2096	1B North	Bowl	BOWL-3-S107	1346	2.50	124.6				3.00	149.5		
BABS2095	1B North	Bowl	BOWL-3-S108	654	1.50	36.3	654.1	36.3		2.00	48.5	48.5	
BABS3019	1B North	Bowl	BOWL-3-S109	442	1.50	24.6	442.0	24.6		2.00	32.7	32.7	
BABS2132	1B North	Bowl	BOWL-3-S11	489	3.50	63.3	1457.7	192.8		4.00	72.4	219.8	
BABS2023	1B North	Bowl	BOWL-3-S11	98	2.50	9.1				3.00	10.9		
BABS3021	1B North	Bowl	BOWL-3-S11	565	2.50	52.3				3.00	62.7		
BATS15	1B North	Bowl	BOWL-3-S11	306	6.00	68.1				6.50	73.7		
BABS3012	1B North	Bowl	BOWL-3-S110	524	1.50	29.1	980.4	147.4		2.00	38.8	165.5	
BABS1009	1B North	Bowl	BOWL-3-S110	456	7.00	118.2				7.50	126.7		
BABS1113	1B North	Bowl	BOWL-3-S111	390	1.80	26.0	389.9	26.0		2.30	33.2	33.2	
BABS2116	1B North	Bowl	BOWL-3-S113	489	2.00	36.2	489.0	36.2		2.50	45.3	45.3	
BABS51	1B North	Bowl	BOWL-3-S114	314	1.50	17.5	314.2	17.5		2.00	23.3	23.3	
BABS53	1B North	Bowl	BOWL-3-S118	679	6.00	150.9	1248.5	361.8		6.50	163.5	384.9	
BABS2014	1B North	Bowl	BOWL-3-S118	569	10.00	210.9				10.50	221.4		
BABS1011	1B North	Bowl	BOWL-3-S12	208	2.00	15.4	346.7	23.1		2.50	19.3	29.5	
BABS2000	1B North	Bowl	BOWL-3-S12	138	1.50	7.7				2.00	10.3		
BABS2010	1B North	Bowl	BOWL-3-S122	384	2.50	35.6	384.1	35.6		3.00	42.7	42.7	
BABS2133	1B North	Bowl	BOWL-3-S124	452	1.50	25.1	452.4	25.1		2.00	33.5	33.5	
BABS2033	1B North	Bowl	BOWL-3-S125	452	11.00	184.3	452.4	184.3		11.50	192.7	192.7	
BABS1027	1B North	Bowl	BOWL-3-S126	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
BABS2129	1B North	Bowl	BOWL-3-S127	463	1.50	25.7	463.1	25.7		2.00	34.3	34.3	
BABS0001	1B North	Bowl	BOWL-3-S129	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
BABS1010	1B North	Bowl	BOWL-3-S13	395	2.00	29.2	943.9	118.6		2.50	36.5	136.1	
BABS2001	1B North	Bowl	BOWL-3-S13	260	1.50	14.5				2.00	19.3		
BABS1029	1B North	Bowl	BOWL-3-S13	289	7.00	74.9				7.50	80.3		
BABS3006	1B North	Bowl	BOWL-3-S130	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
BABX1002	1B North	Bowl	BOWL-3-S131	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
BABS2037	1B North	Bowl	BOWL-3-S132	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
BABS1104	1B North	Bowl	BOWL-3-S137	452	1.50	25.1	452.4	25.1		2.00	33.5	33.5	
BABS1101	1B North	Bowl	BOWL-3-S139	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
BABS52	1B North	Bowl	BOWL-3-S14	647	17.00	407.5	2115.5	737.0	8,645.2	17.50	419.5	776.2	9,768.1
BATS05	1B North	Bowl	BOWL-3-S14	920	5.50	187.4				6.00	204.4		

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BABS2067	1B North	Bowl	BOWL-3-S14	548	7.00	142.2				7.50	152.3		
BABS2080	1B North	Bowl	BOWL-3-S142	256	1.50	14.2	255.9	14.2		2.00	19.0	19.0	
BABS2097	1B North	Bowl	BOWL-3-S143	452	4.00	67.0	452.4	67.0		4.50	75.4	75.4	
BABS2134	1B North	Bowl	BOWL-3-S144	731	1.50	40.6	730.8	40.6		2.00	54.1	54.1	
BABS2140	1B North	Bowl	BOWL-3-S145	452	2.50	41.9	452.4	41.9		3.00	50.3	50.3	
BABS2084	1B North	Bowl	BOWL-3-S146	452	1.50	25.1	452.4	25.1		2.00	33.5	33.5	
BABS1118	1B North	Bowl	BOWL-3-S15	230	1.50	12.8				2.00	17.1		
BABS2019	1B North	Bowl	BOWL-3-S15	203	2.50	18.8	770.0	118.9		3.00	22.6	133.1	
BABS1090B	1B North	Bowl	BOWL-3-S15	337	7.00	87.3				7.50	93.5		
BABS1030	1B North	Bowl	BOWL-3-S16	368	7.00	95.3	609.1	113.2		7.50	102.2	124.5	
BABS2085	1B North	Bowl	BOWL-3-S16	241	2.00	17.9				2.50	22.3		
BABS1001B	1B North	Bowl	BOWL-3-S17	269	7.00	69.6	591.3	153.3		7.50	74.6	164.2	
BABS1087	1B North	Bowl	BOWL-3-S17	323	7.00	83.7				7.50	89.6		
BABS1100	1B North	Bowl	BOWL-3-S2	186	2.00	13.8	185.9	13.8		2.50	17.2	17.2	
BABS2054	1B North	Bowl	BOWL-3-S21	365	2.50	33.8	364.9	33.8		3.00	40.5	40.5	
BABS1033	1B North	Bowl	BOWL-3-S22	591	1.50	32.8	1244.4	81.2		2.00	43.8	104.3	
BABS1075	1B North	Bowl	BOWL-3-S22	653	2.00	48.4				2.50	60.5		
BABS2041	1B North	Bowl	BOWL-3-S26	395	1.50	22.0	395.4	22.0		2.00	29.3	29.3	
BABS1038	1B North	Bowl	BOWL-3-S27	438	2.00	32.4	437.9	32.4		2.50	40.5	40.5	
BABS1117	1B North	Bowl	BOWL-3-S29	556	1.50	30.9	1001.6	55.6		2.00	41.2	74.2	
BABS1015	1B North	Bowl	BOWL-3-S29	445	1.50	24.7				2.00	33.0		
BABS1154	1B North	Bowl	BOWL-3-S3	180	2.50	16.7	180.1	16.7		3.00	20.0	20.0	
BABS3047	1B North	Bowl	BOWL-3-S31	294	1.50	16.3	293.9	16.3		2.00	21.8	21.8	
BABS1081	1B North	Bowl	BOWL-3-S33	528	2.00	39.1	527.8	39.1		2.50	48.9	48.9	
BABS1054	1B North	Bowl	BOWL-3-S34	397	1.50	22.1	397.4	22.1		2.00	29.4	29.4	
BATS03	1B North	Bowl	BOWL-3-S36	747	4.50	124.6	747.4	124.6		5.00	138.4	138.4	
BABS3017	1B North	Bowl	BOWL-3-S37	858	4.00	127.1	857.9	127.1		4.50	143.0	143.0	
BABS2059	1B North	Bowl	BOWL-3-S38	372	18.00	248.1	372.2	248.1		18.50	255.0	255.0	
BABS2050	1B North	Bowl	BOWL-3-S4	281	2.50	26.0	281.1	26.0		3.00	31.2	31.2	
BABS1003	1B North	Bowl	BOWL-3-S40	540	7.00	140.0	539.8	140.0		7.50	149.9	149.9	
BABS1025	1B North	Bowl	BOWL-3-S42	469	2.00	34.7	468.9	34.7		2.50	43.4	43.4	
BABS1125	1B North	Bowl	BOWL-3-S43	432	1.50	24.0	432.0	24.0		2.00	32.0	32.0	
BABS1062	1B North	Bowl	BOWL-3-S44	363	2.00	26.9	710.3	46.2		2.50	33.6	59.3	
BABS49	1B North	Bowl	BOWL-3-S44	347	1.50	19.3				2.00	25.7		
BABS2057	1B North	Bowl	BOWL-3-S46	378	1.50	21.0	377.6	21.0		2.00	28.0	28.0	
B-4-07	1B North	Bowl	BOWL-3-S5	113	1.00	4.2				1.50	6.3		
BABS1170	1B North	Bowl	BOWL-3-S5	412	9.50	144.9	1538.4	450.3		10.00	152.5	478.7	
BABS1173	1B North	Bowl	BOWL-3-S5	939	8.50	295.7				9.00	313.1		
BASS02	1B North	Bowl	BOWL-3-S5	74	2.00	5.5				2.50	6.9		
BABS2103	1B North	Bowl	BOWL-3-S500	2753	2.50	254.9	2752.7	254.9		3.00	305.9	305.9	
BABS1171	1B North	Bowl	BOWL-3-S6	70	10.50	27.2	69.8	27.2		11.00	28.4	28.4	
BABS1023	1B North	Bowl	BOWL-3-S7	760	2.00	56.3	1052.6	72.6		2.50	70.4	92.1	
BABS1085	1B North	Bowl	BOWL-3-S7	292	1.50	16.2				2.00	21.7		
BABS1132	1B North	Bowl	BOWL-3-S8	487	1.50	27.0				2.00	36.1		
BABS1163	1B North	Bowl	BOWL-3-S8	584	1.50	32.5				2.00	43.3		

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BABS2073	1B North	Bowl	BOWL-3-S8	870	5.00	161.1	4595.4	537.6		5.50	177.3	622.7	
BABS1140	1B North	Bowl	BOWL-3-S8	1046	1.25	48.4				1.75	67.8		
BABS1055	1B North	Bowl	BOWL-3-S8	600	2.00	44.4				2.50	55.6		
BABS1139	1B North	Bowl	BOWL-3-S8	1009	6.00	224.1				6.50	242.8		
BABS1131	1B North	Bowl	BOWL-3-S9	846	4.00	125.4	1990.7	591.6		4.50	141.1	628.5	
BABS1031	1B North	Bowl	BOWL-3-S9	1144	11.00	466.2				11.50	487.4		
BABS2070	1B North	Bowl	BOWL-3-S99	321	2.00	23.8	321.2	23.8		2.50	29.7	29.7	
R1BS1011	1B North	R-1 Pond	R1-3-S13	56	7.00	14.6	56.4	14.6		7.50	15.7	15.7	
R1BS3001	1B North	R-1 Pond	R1-3-S14	150	6.00	33.2	149.5	33.2		6.50	36.0	36.0	
R1BS3000	1B North	R-1 Pond	R1-3-S15	269	1.50	15.0	269.5	15.0		2.00	20.0	20.0	
R1BS2099	1B North	R-1 Pond	R1-3-S16	383	2.50	35.5	383.3	35.5		3.00	42.6	42.6	
R1ST1000	1B North	R-1 Pond	R1-3-S18	492	2.00	36.5	492.4	36.5		2.50	45.6	45.6	
R1BS2093	1B North	R-1 Pond	R1-3-S19	296	2.50	27.5	296.5	27.5		3.00	32.9	32.9	
R1BS2095	1B North	R-1 Pond	R1-3-S20	348	1.40	18.1	545.8	27.6		1.90	24.5	37.7	
R1BS2096	1B North	R-1 Pond	R1-3-S20	198	1.30	9.5				1.80	13.2		
UBBS2010	1B North	R-1 Pond	R1-3-S21	452	2.50	41.9	452.4	41.9		3.00	50.3	50.3	
R1BX1002	1B North	R-1 Pond	R1-3-S22	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
R1BS2070	1B North	R-1 Pond	R1-3-S23	308	1.50	17.1	308.2	17.1		2.00	22.8	22.8	
GMBS2000	1B North	R-1 Pond	R1-3-S24	452	2.20	36.9	452.4	36.9		2.70	45.2	45.2	
R1BS1053	1B North	R-1 Pond	R1-3-S25	287	2.00	21.3	287.0	21.3		2.50	26.6	26.6	
R1BS1054	1B North	R-1 Pond	R1-3-S26	452	2.00	33.5	452.4	33.5		2.50	41.9	41.9	
R1BS2092	1B North	R-1 Pond	R1-3-S27	512	1.50	28.4	511.8	28.4		2.00	37.9	37.9	
R1BS1006	1B North	R-1 Pond	R1-3-S28	610	7.00	158.2	3595.6	514.4		7.50	169.5	581.0	
R1BS1009	1B North	R-1 Pond	R1-3-S28	1344	2.00	99.5				2.50	124.4		
R1BS2073	1B North	R-1 Pond	R1-3-S28	143	12.00	63.6				12.50	66.2		
R1BS1007	1B North	R-1 Pond	R1-3-S28	223	7.00	57.8				7.50	61.9		
R1BS2062	1B North	R-1 Pond	R1-3-S28	345	2.50	32.0				3.00	38.3		
R1BS2063	1B North	R-1 Pond	R1-3-S28	931	3.00	103.4				3.50	120.7		
R1BS2311	1B North	R-1 Pond	R1-3-S29	165	1.50	9.2	362.3	20.1		2.00	12.3	26.8	
R1BS2312	1B North	R-1 Pond	R1-3-S29	197	1.50	10.9				2.00	14.6		
R1BS1043	1B North	R-1 Pond	R1-3-S30	228	2.00	16.9	1109.8	94.0		2.50	21.1	114.6	
R1BS1072	1B North	R-1 Pond	R1-3-S30	384	2.00	28.4				2.50	35.5		
R1BS2039	1B North	R-1 Pond	R1-3-S30	309	1.50	17.2				2.00	22.9		
R1BS2041	1B North	R-1 Pond	R1-3-S30	189	4.50	31.5				5.00	35.0		
R1BS2008	1B North	R-1 Pond	R1-3-S31	309	3.00	34.4	309.4	34.4		3.50	40.1	40.1	
1579	1B North	R-1 Pond	R1-3-S17	403	1.00	14.92	402.7	14.9		1.50	22.4	22.4	
R1BS2045	1B North	R-1 Pond	R1-3-S32	314	2.50	29.1	314.2	29.1		3.00	34.9	34.9	
R1BS2031	1B North	R-1 Pond	R1-3-S33	452	2.50	41.9	452.4	41.9		3.00	50.3	50.3	
UBBS3022	1B North	R-1 Pond	R1-3-S34	865	1.50	48.1	865.3	48.1	11,718.0	2.00	64.1	64.1	12,733.8
R1BS01	1B North	R-1 Pond	R1-3-S1	1798	3.00	199.8	12838.2	2238.4		3.50	233.1	2,476.1	
R1BS1018	1B North	R-1 Pond	R1-3-S1	1867	7.00	484.0				7.50	518.6		
R1BS18	1B North	R-1 Pond	R1-3-S1	3161	2.00	234.2				2.50	292.7		
R1BS2052	1B North	R-1 Pond	R1-3-S1	524	2.50	48.5				3.00	58.2		
R1BS1028	1B North	R-1 Pond	R1-3-S1	1681	2.00	124.5				2.50	155.6		
R1BS03	1B North	R-1 Pond	R1-3-S1	886	2.00	65.6				2.50	82.0		

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R1BS0022	1B North	R-1 Pond	R1-3-S1	2921	10.00	1,081.7				10.50	1,135.8		
R1BS1050	1B North	R-1 Pond	R1-3-S10	178	7.00	46.3	178.4	46.3		7.50	49.6	49.6	
R1BS1059	1B North	R-1 Pond	R1-3-S100	520	2.00	38.5	519.9	38.5		2.50	48.1	48.1	
R1BS1052	1B North	R-1 Pond	R1-3-S101	685	11.00	278.9	684.7	278.9		11.50	291.6	291.6	
R1BS09	1B North	R-1 Pond	R1-3-S11	344	3.00	38.2	568.2	79.8		3.50	44.6	90.3	
R1TS01S01	1B North	R-1 Pond	R1-3-S11	224	5.00	41.5				5.50	45.7		
R1BS2059	1B North	R-1 Pond	R1-3-S12	1237	2.00	91.7	1237.5	91.7		2.50	114.6	114.6	
R1BS2091	1B North	R-1 Pond	R1-3-S112	452	5.00	83.8	452.4	83.8		5.50	92.2	92.2	
R1BS17	1B North	R-1 Pond	R1-3-S113	452	4.00	67.0	452.4	67.0		4.50	75.4	75.4	
R1BS06	1B North	R-1 Pond	R1-3-S2	1677	5.00	310.6	11358.5	2207.3		5.50	341.6	2,417.6	
R1BS0021	1B North	R-1 Pond	R1-3-S2	5838	3.00	648.7				3.50	756.8		
R1BS1031	1B North	R-1 Pond	R1-3-S2	1560	5.50	317.7				6.00	346.6		
R1BS1023	1B North	R-1 Pond	R1-3-S2	2283	11.00	930.3				11.50	972.6		
R1BS3007	1B North	R-1 Pond	R1-3-S3	3346	23.00	2,850.2	7965.4	4054.6		23.50	2,912.1	4,202.1	
R1BS2067	1B North	R-1 Pond	R1-3-S3	794	13.00	382.4				13.50	397.1		
R1BS1021	1B North	R-1 Pond	R1-3-S3	2680	7.00	694.8				7.50	744.4		
R1BS19	1B North	R-1 Pond	R1-3-S3	1145	3.00	127.3				3.50	148.5		
R1BS1029	1B North	R-1 Pond	R1-3-S5	1985	8.50	625.0	2157.0	634.5		9.00	661.8	674.5	
B-5-01	1B North	R-1 Pond	R1-3-S5	172	1.50	9.5				2.00	12.7		
R1BS1061	1B North	R-1 Pond	R1-3-S6	1740	2.00	128.9	3569.9	564.7		2.50	161.1	630.8	
R1BS2018	1B North	R-1 Pond	R1-3-S6	1305	6.20	299.8				6.70	324.0		
R1BS1030	1B North	R-1 Pond	R1-3-S6	525	7.00	136.0				7.50	145.7		
R1BS1016	1B North	R-1 Pond	R1-3-S7	268	11.00	109.0	267.6	109.0		11.50	114.0	114.0	
R1BS2000	1B North	R-1 Pond	R1-3-S9	19	12.00	8.5	80.3	24.4		12.50	8.9	25.9	
R1BS1000	1B North	R-1 Pond	R1-3-S9	61	7.00	15.8				7.50	17.0		
CFBS1006	5/9 South	Compound A	CompoundA-3-S1	478	2.00	35.4	1226.6	84.1		2.50	44.3	106.8	
CFBS06	5/9 South	Compound A	CompoundA-3-S1	363	1.50	20.2				2.00	26.9		
CFTS01	5/9 South	Compound A	CompoundA-3-S1	385	2.00	28.5				2.50	35.6		
CFBS1017	5/9 South	Compound A	CompoundA-3-S10	308	2.00	22.8	1745.5	114.3		2.50	28.5	146.6	
CFBS10	5/9 South	Compound A	CompoundA-3-S10	222	1.50	12.3				2.00	16.5		
CFBS2001	5/9 South	Compound A	CompoundA-3-S10	186	2.50	17.2				3.00	20.7		
CFBS2018	5/9 South	Compound A	CompoundA-3-S10	322	1.50	17.9				2.00	23.8		
D-1-03	5/9 South	Compound A	CompoundA-3-S10	73	2.00	5.4				2.50	6.8		
CFSS01	5/9 South	Compound A	CompoundA-3-S10	128	1.50	7.1				2.00	9.5		
CFBS12	5/9 South	Compound A	CompoundA-3-S10	305	1.50	17.0				2.00	22.6		
CFBS11	5/9 South	Compound A	CompoundA-3-S10	111	1.50	6.2				2.00	8.2		
D-1-02	5/9 South	Compound A	CompoundA-3-S10	91	2.50	8.4				3.00	10.1		
793	5/9 South	Compound A	CompoundA-3-S11	1340	3.00	148.90	1340.1	148.9		3.50	173.7	173.7	
D-1-01	5/9 South	Compound A	CompoundA-3-S12/SV1	816	3.00	90.6	1633.0	332.8		3.50	105.7	363.1	
CFTS02	5/9 South	Compound A	CompoundA-3-S12/SV1	817	8.00	242.2				8.50	257.3		
CFBS3059	5/9 South	Compound A	CompoundA-3-S13	827	1.50	45.9	2368.5	131.6		2.00	61.2	175.4	
CFBS3058	5/9 South	Compound A	CompoundA-3-S13	373	1.50	20.7				2.00	27.6		
CFBS3029	5/9 South	Compound A	CompoundA-3-S13	1169	1.50	64.9				2.00	86.6		
P2TS48	5/9 South	Compound A	CompoundA-3-S14	875	3.00	97.3	875.5	97.3		3.50	113.5	113.5	
CFBS3041	5/9 South	Compound A	CompoundA-3-S15	933	1.50	51.8	932.7	51.8		2.00	69.1	69.1	

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CFBS1001	5/9 South	Compound A	CompoundA-3-S16	690	5.00	127.7				5.50	140.5		
CFBS1002	5/9 South	Compound A	CompoundA-3-S16	1251	2.00	92.6	2818.5	448.1		2.50	115.8	500.3	
CFBS1401	5/9 South	Compound A	CompoundA-3-S16	878	7.00	227.7				7.50	244.0		
CFBS2048	5/9 South	Compound A	CompoundA-3-S17	804	7.00	208.4				7.50	223.3		
CFBS1415	5/9 South	Compound A	CompoundA-3-S17	530	2.00	39.2	1514.0	307.8		2.50	49.0	335.8	
CFBS1032	5/9 South	Compound A	CompoundA-3-S17	180	9.00	60.1				9.50	63.4		
CFBS2072	5/9 South	Compound A	CompoundA-3-S18	404	1.50	22.5	404.4	22.5		2.00	30.0	30.0	
CFBS2012	5/9 South	Compound A	CompoundA-3-S19	395	1.50	21.9	395.1	21.9		2.00	29.3	29.3	
CFBS1013	5/9 South	Compound A	CompoundA-3-S2	2403	2.00	178.0				2.50	222.5		
CFBS3009	5/9 South	Compound A	CompoundA-3-S2	2651	1.50	147.3				2.00	196.4		
CFBS3033	5/9 South	Compound A	CompoundA-3-S2	6627	1.50	368.2				2.00	490.9		
CFBS1012	5/9 South	Compound A	CompoundA-3-S2	2233	2.00	165.4	22091.2	1514.8	8,010.5	2.50	206.8	1,923.9	9,558.9
CFBS2003	5/9 South	Compound A	CompoundA-3-S2	2523	2.50	233.6				3.00	280.3		
CFBS2014	5/9 South	Compound A	CompoundA-3-S2	2922	2.50	270.6				3.00	324.7		
CFBS3010	5/9 South	STP-3	CompoundA-3-S2	2732	1.50	151.8				2.00	202.4		
CFBS09	5/9 South	Compound A	CompoundA-3-S20	296	1.50	16.4	295.5	16.4		2.00	21.9	21.9	
SLBS2006	5/9 South	Compound A	CompoundA-3-S21	335	2.50	31.0	1149.2	121.5		3.00	37.2	142.8	
SLBS30	5/9 South	Compound A	CompoundA-3-S21	815	3.00	90.5				3.50	105.6		
CFBS3054	5/9 South	Compound A	CompoundA-3-S22	958	1.50	53.2	1170.6	65.0		2.00	70.9	86.7	
CFBS2071	5/9 South	Compound A	CompoundA-3-S22	213	1.50	11.8				2.00	15.8		
P2TS45	5/9 South	Compound A	CompoundA-3-S23	394	3.00	43.7	393.7	43.7		3.50	51.0	51.0	
CFBS2026	5/9 South	Compound A	CompoundA-3-S24	404	6.00	89.7	403.6	89.7		6.50	97.2	97.2	
CFBS2005	5/9 South	Compound A	CompoundA-3-S3	1121	1.50	62.3	1120.8	62.3		2.00	83.0	83.0	
SLBS2002	5/9 South	Compound A	CompoundA-3-S4	606	7.00	157.1	605.8	157.1		7.50	168.3	168.3	
CFBS3053	5/9 South	Compound A	CompoundA-3-S5	671	1.50	37.3	671.0	37.3		2.00	49.7	49.7	
P2TS26	5/9 South	Compound A	CompoundA-3-S6	938	1.50	52.1				2.00	69.5		
CFBS2020	5/9 South	Compound A	CompoundA-3-S6	3666	2.00	271.6				2.50	339.5		
CFBS2038	5/9 South	Compound A	CompoundA-3-S6	3028	5.00	560.8				5.50	616.9		
CFBS3013	5/9 South	Compound A	CompoundA-3-S6	1424	5.00	263.8				5.50	290.1		
P2TS11	5/9 South	Compound A	CompoundA-3-S6	3328	2.50	308.1				3.00	369.7		
P2TS02	5/9 South	Compound A	CompoundA-3-S6	4107	2.50	380.3	33860.8	3611.6		3.00	456.4	4,238.6	
CFBS2040	5/9 South	Compound A	CompoundA-3-S6	1796	1.50	99.8				2.00	133.0		
CFBS2019	5/9 South	Compound A	CompoundA-3-S6	1357	3.00	150.8				3.50	176.0		
P2TS07	5/9 South	Compound A	CompoundA-3-S6	4642	2.00	343.9				2.50	429.8		
CFBS2021	5/9 South	Compound A	CompoundA-3-S6	3153	4.00	467.1				4.50	525.5		
P2TS04	5/9 South	Compound A	CompoundA-3-S6	3913	3.00	434.8				3.50	507.3		
P2TS09	5/9 South	Compound A	CompoundA-3-S6	2507	3.00	278.5				3.50	325.0		
CFBS2010	5/9 South	Compound A	CompoundA-3-S7	296	1.50	16.4	295.9	16.4		2.00	21.9	21.9	
CFBS3003	5/9 South	Compound A	CompoundA-3-S8	1074	1.50	59.7				2.00	79.6		
CFBS1018	5/9 South	Compound A	CompoundA-3-S8	745	2.50	69.0	2691.6	193.3		3.00	82.8	243.1	
CFBS1020	5/9 South	Compound A	CompoundA-3-S8	872	2.00	64.6				2.50	80.8		
CFBS1004	5/9 South	Compound A	CompoundA-3-S9	611	2.00	45.2	1144.4	183.6		2.50	56.6	204.8	
CFBS1404	5/9 South	Compound A	CompoundA-3-S9	534	7.00	138.3				7.50	148.2		
CFBS2070	5/9 South	Compound A	CompoundA-3-SV2	2462	1.50	136.8	2461.9	136.8		2.00	182.4	182.4	
ELBS3005	5/9 South	EEL	EEL-3-S1	4549	2.50	421.2				3.00	505.4		

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ELBS3023	5/9 South	EEL	EEL-3-S1	3874	1.50	215.2				2.00	287.0		
ELBS2008	5/9 South	EEL	EEL-3-S1	2334	11.00	950.7				11.50	993.9		
ELBS3000	5/9 South	EEL	EEL-3-S1	10636	1.50	590.9	34414.9	2901.5		2.00	787.9	3,538.8	
ELBS3016	5/9 South	EEL	EEL-3-S1	949	1.50	52.7				2.00	70.3		
ELBS3024	5/9 South	EEL	EEL-3-S1	543	1.50	30.1				2.00	40.2		
ELBS2000	5/9 South	EEL	EEL-3-S1	7775	1.50	431.9				2.00	575.9		
ELBS3003	5/9 South	EEL	EEL-3-S1	3755	1.50	208.6				2.00	278.1		
ELBS2007	5/9 South	EEL	EEL-3-S2	741	2.50	68.6	741.0	68.6		3.00	82.3	82.3	
ELBS1014	5/9 South	EEL	EEL-3-S3	454	6.00	100.9	453.9	100.9		6.50	109.3	109.3	
ELBS2024	5/9 South	EEL	EEL-3-S4	732	7.00	189.8				7.50	203.4		
ELBS3007	5/9 South	EEL	EEL-3-S4	654	7.00	169.7	1619.0	376.7		7.50	181.8	406.7	
ELBS1018	5/9 South	EEL	EEL-3-S4	232	2.00	17.2				2.50	21.5		
ELBS3012	5/9 South	EEL	EEL-3-S5/SV2	6529	1.50	362.7				2.00	483.6		
ELBS2012	5/9 South	EEL	EEL-3-S5/SV2	3249	7.00	842.4			8,469.6	7.50	902.6		9,831.2
ELBS2010	5/9 South	EEL	EEL-3-S5/SV2	1479	1.50	82.2				2.00	109.6		
ELBS3010	5/9 South	EEL	EEL-3-S5/SV2	3363	1.50	186.8				2.00	249.1		
ELBS2009	5/9 South	EEL	EEL-3-S5/SV2	899	7.00	233.0				7.50	249.6		
ELBS1027	5/9 South	EEL	EEL-3-S5/SV2	3582	2.00	265.3	26343.8	2984.5		2.50	331.6	3,472.4	
ELBS2028	5/9 South	EEL	EEL-3-S5/SV2	1844	10.00	682.9				10.50	717.1		
ELBS2002	5/9 South	EEL	EEL-3-S5/SV2	788	2.50	73.0				3.00	87.6		
ELSS01	5/9 South	EEL	EEL-3-S5/SV2	590	1.50	32.8				2.00	43.7		
ELBS05	5/9 South	EEL	EEL-3-S5/SV2	2211	1.50	122.8				2.00	163.8		
ELBS02	5/9 South	EEL	EEL-3-S5/SV2	1811	1.50	100.6				2.00	134.1		
ELBS3015	5/9 South	EEL	EEL-3-S6	1011	1.50	56.2				2.00	74.9		
ELBS2020	5/9 South	EEL	EEL-3-S6	912	7.00	236.4	3267.1	377.7		7.50	253.3	438.2	
ELBS2005	5/9 South	EEL	EEL-3-S6	780	1.50	43.3				2.00	57.8		
ELBS1012	5/9 South	EEL	EEL-3-S6	564	2.00	41.8				2.50	52.2		
ELBS2001	5/9 South	EEL	EEL-3-S7/SV1	6324	7.00	1,639.7	6324.4	1639.7		7.50	1,756.8	1,756.8	
ELBS2022	5/9 South	EEL	EEL-3-S8	361	1.50	20.1	361.0	20.1		2.00	26.7	26.7	
SLBS2137	5/9 South	STL-IV	STL-IV-3-S1	1576	2.50	145.9				3.00	175.1		
SLBS3070	5/9 South	STL-IV	STL-IV-3-S1	2965	5.50	604.0				6.00	658.9		
SLBS2037	5/9 South	STL-IV	STL-IV-3-S1	850	2.50	78.7	9217.5	1297.2		3.00	94.5	1,467.9	
SLBS2136	5/9 South	STL-IV	STL-IV-3-S1	470	2.50	43.5				3.00	52.2		
SLBS2163	5/9 South	STL-IV	STL-IV-3-S1	1300	2.50	120.4				3.00	144.4		
SLBS3008	5/9 South	STL-IV	STL-IV-3-S1	2057	4.00	304.7				4.50	342.8		
SLBS3066	5/9 South	STL-IV	STL-IV-3-S10	1704	1.50	94.7	1704.4	94.7		2.00	126.3	126.3	
SLBS11	5/9 South	STL-IV	STL-IV-3-S11	375	1.50	20.8	515.0	28.6		2.00	27.8	38.1	
SLBS1006	5/9 South	STL-IV	STL-IV-3-S11	140	1.50	7.8				2.00	10.4		
SLBS2045	5/9 South	STL-IV	STL-IV-3-S12	6119	1.50	340.0				2.00	453.3		
SLBS2148	5/9 South	STL-IV	STL-IV-3-S12	3811	1.50	211.7	15884.9	2448.3		2.00	282.3	2,742.5	
SLBS2043	5/9 South	STL-IV	STL-IV-3-S12	1682	2.50	155.7				3.00	186.9		
SLBS2041	5/9 South	STL-IV	STL-IV-3-S12	4273	11.00	1,740.9				11.50	1,820.1		
SLBS2036	5/9 South	STL-IV	STL-IV-3-S13	1179	7.00	305.8	1179.5	305.8		7.50	327.6	327.6	
SLBS3142	5/9 South	STL-IV	STL-IV-3-S14	417	1.50	23.2	417.1	23.2		2.00	30.9	30.9	

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SLBS06	5/9 South	STL-IV	STL-IV-3-S15	1538	2.50	142.4	3701.0	302.6		3.00	170.9	371.2	
SLBS1014	5/9 South	STL-IV	STL-IV-3-S15	2163	2.00	160.2				2.50	200.3		
SLBS2018	5/9 South	STL-IV	STL-IV-3-S16	911	1.50	50.6	911.2	50.6		2.00	67.5	67.5	
SLBS1001	5/9 South	STL-IV	STL-IV-3-S17	344	2.00	25.5	1493.1	116.6		2.50	31.9	144.3	
SLBS2066	5/9 South	STL-IV	STL-IV-3-S17	412	1.50	22.9				2.00	30.5		
SLBS2176	5/9 South	STL-IV	STL-IV-3-S17	737	2.50	68.2				3.00	81.9		
SLBS27	5/9 South	STL-IV	STL-IV-3-S18	354	1.50	19.7	734.7	54.9		2.00	26.2	68.5	
SLBS3109	5/9 South	STL-IV	STL-IV-3-S18	381	2.50	35.3				3.00	42.3		
SLBS1040	5/9 South	STL-IV	STL-IV-3-S19	723	2.00	53.5	1816.5	128.5		2.50	66.9	162.2	
SLBS1041	5/9 South	STL-IV	STL-IV-3-S19	325	1.50	18.0				2.00	24.0		
SLBS1410	5/9 South	STL-IV	STL-IV-3-S19	769	2.00	57.0				2.50	71.2		
SLBS1023	5/9 South	STL-IV	STL-IV-3-S2	256	7.00	66.4	929.5	251.8		7.50	71.2	269.0	
SLBS1406	5/9 South	STL-IV	STL-IV-3-S2	202	11.00	82.3				11.50	86.1		
STL-IV-2-73	5/9 South	STL-IV	STL-IV-3-S2	60	2.00	4.4				2.50	5.5		
STL-IV-2-15	5/9 South	STL-IV	STL-IV-3-S2	217	6.00	48.3				6.50	52.3		
SLBS2064	5/9 South	STL-IV	STL-IV-3-S2	194	7.00	50.3				7.50	53.9		
SLSS08	5/9 South	STL-IV	STL-IV-3-S20	169	1.00	6.3	169.0	6.3		1.50	9.4	9.4	
SLBS3034	5/9 South	STL-IV	STL-IV-3-S21	3082	1.50	171.2	7051.3	391.7		2.00	228.3	522.3	
SLBS3127	5/9 South	STL-IV	STL-IV-3-S21	1131	1.50	62.9				2.00	83.8		
SLBS2155	5/9 South	STL-IV	STL-IV-3-S21	2837	1.50	157.6				2.00	210.2		
SLBS1004	5/9 South	STL-IV	STL-IV-3-S22	675	7.00	175.0	4558.8	602.0		7.50	187.5	686.4	
SLBS2033	5/9 South	STL-IV	STL-IV-3-S22	781	7.00	202.6				7.50	217.1		
SLBS2032	5/9 South	STL-IV	STL-IV-3-S22	292	1.50	16.2				2.00	21.6		
SLBS1005	5/9 South	STL-IV	STL-IV-3-S22	1366	2.00	101.2				2.50	126.5		
SLBS1423	5/9 South	STL-IV	STL-IV-3-S22	906	2.00	67.1				2.50	83.9		
SLBS1002	5/9 South	STL-IV	STL-IV-3-S22	539	2.00	39.9				2.50	49.9		
SLBS1054	5/9 South	STL-IV	STL-IV-3-S23/SV3	1107	2.00	82.0	9624.8	1411.1		2.50	102.5	1,589.4	
SLBS2030	5/9 South	STL-IV	STL-IV-3-S23/SV3	1936	4.50	322.6				5.00	358.5		
SLBS2131	5/9 South	STL-IV	STL-IV-3-S23/SV3	2018	2.50	186.9				3.00	224.2		
SLBS2093	5/9 South	STL-IV	STL-IV-3-S23/SV3	1394	7.00	361.3				7.50	387.2		
SLBS16	5/9 South	STL-IV	STL-IV-3-S23/SV3	474	1.50	26.4				2.00	35.1		
SLBS2056	5/9 South	STL-IV	STL-IV-3-S23/SV3	307	5.75	65.4				6.25	71.1		
SLBS2035	5/9 South	STL-IV	STL-IV-3-S23/SV3	1123	7.00	291.3				7.50	312.1		
SLBS2083	5/9 South	STL-IV	STL-IV-3-S23/SV3	996	1.50	55.3				2.00	73.7		
SLBS1059	5/9 South	STL-IV	STL-IV-3-S23/SV3	270	2.00	20.0				2.50	25.0		
SLBS2073	5/9 South	STL-IV	STL-IV-3-S24	322	6.50	77.4	5321.1	533.8		7.00	83.4	632.3	
SLBS1039	5/9 South	STL-IV	STL-IV-3-S24	804	2.00	59.6				2.50	74.5		
SLBS1067	5/9 South	STL-IV	STL-IV-3-S24	1187	2.00	87.9				2.50	109.9		
SLBS1035	5/9 South	STL-IV	STL-IV-3-S24	474	6.00	105.3				6.50	114.1		
SLBS1600	5/9 South	STL-IV	STL-IV-3-S24	415	1.50	23.1				2.00	30.8		
SLBS1038	5/9 South	STL-IV	STL-IV-3-S24	849	2.00	62.9				2.50	78.6		
SLBS2161	5/9 South	STL-IV	STL-IV-3-S24	846	2.50	78.3				3.00	94.0		
SLBS2107	5/9 South	STL-IV	STL-IV-3-S24	425	2.50	39.4				3.00	47.2		
SLTS1504	5/9 South	STL-IV	STL-IV-3-S25	435	3.00	48.4				3.50	56.4		
SLBS2097	5/9 South	STL-IV	STL-IV-3-S25	621	7.00	161.0				7.50	172.5		

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SLBS2085	5/9 South	STL-IV	STL-IV-3-S25	1284	1.50	71.4				2.00	95.1		
SLBS1056	5/9 South	STL-IV	STL-IV-3-S25	1903	7.00	493.4	8737.2	1411.1		7.50	528.7	1,572.9	
SLTS1500	5/9 South	STL-IV	STL-IV-3-S25	679	3.00	75.5				3.50	88.1		
SLTS1501	5/9 South	STL-IV	STL-IV-3-S25	665	3.00	73.9				3.50	86.2		
SLBS01	5/9 South	STL-IV	STL-IV-3-S25	860	2.00	63.7				2.50	79.7		
SLBS2084	5/9 South	STL-IV	STL-IV-3-S25	2289	5.00	423.8				5.50	466.2		
SLBS2071	5/9 South	STL-IV	STL-IV-3-S26	448	2.00	33.2				2.50	41.5		
SLBS2070	5/9 South	STL-IV	STL-IV-3-S26	536	2.00	39.7	1569.3	116.2		2.50	49.6	145.3	
SLBS2069	5/9 South	STL-IV	STL-IV-3-S26	586	2.00	43.4				2.50	54.2		
SLBS2129	5/9 South	STL-IV	STL-IV-3-S27	1002	2.00	74.2				2.50	92.8		
SLBS1032	5/9 South	STL-IV	STL-IV-3-S27	826	2.00	61.2				2.50	76.5		
SLBS2106	5/9 South	STL-IV	STL-IV-3-S27	771	8.00	228.6				8.50	242.8		
SLBS2127	5/9 South	STL-IV	STL-IV-3-S27	1130	1.50	62.8	4894.8	664.2		2.00	83.7	754.8	
SLBS3121	5/9 South	STL-IV	STL-IV-3-S27	531	3.50	68.9				4.00	78.7		
SLBS2123	5/9 South	STL-IV	STL-IV-3-S27	261	6.00	58.0			21,651.0	6.50	62.8		25,033.7
SLBS2133	5/9 South	STL-IV	STL-IV-3-S27	373	8.00	110.6				8.50	117.5		
SLBS1015	5/9 South	STL-IV	STL-IV-3-S28	478	2.00	35.4	478.0	35.4		2.50	44.3	44.3	
SLBS1020	5/9 South	STL-IV	STL-IV-3-S29	890	6.50	214.2	889.7	214.2		7.00	230.7	230.7	
SLBS2156	5/9 South	STL-IV	STL-IV-3-S3	3032	1.50	168.4	3031.6	168.4		2.00	224.6	224.6	
SLBS1063	5/9 South	STL-IV	STL-IV-3-S30	416	2.00	30.8	415.9	30.8		2.50	38.5	38.5	
SLBS1601	5/9 South	STL-IV	STL-IV-3-S31	406	1.50	22.5				2.00	30.1		
STL-IV-TM2-5	5/9 South	STL-IV	STL-IV-3-S31	407	2.00	30.2	1028.1	68.6		2.50	37.7	87.7	
STL-IV-TM2-4	5/9 South	STL-IV	STL-IV-3-S31	215	2.00	15.9				2.50	19.9		
SLBS2042	5/9 South	STL-IV	STL-IV-3-S32	801	1.50	44.5				2.00	59.3		
SLBS2164	5/9 South	STL-IV	STL-IV-3-S32	1016	3.50	131.7				4.00	150.5		
SLBS1028	5/9 South	STL-IV	STL-IV-3-S32	829	2.00	61.4				2.50	76.7		
SLBS1011	5/9 South	STL-IV	STL-IV-3-S32	846	2.00	62.7				2.50	78.4		
SLBS2011	5/9 South	STL-IV	STL-IV-3-S32	835	1.50	46.4	7068.5	563.8		2.00	61.9	694.7	
SLBS1012	5/9 South	STL-IV	STL-IV-3-S32	848	2.00	62.8				2.50	78.5		
SLBS1062	5/9 South	STL-IV	STL-IV-3-S32	439	2.00	32.6				2.50	40.7		
SLBS1404	5/9 South	STL-IV	STL-IV-3-S32	430	2.00	31.8				2.50	39.8		
SLBS1060	5/9 South	STL-IV	STL-IV-3-S32	264	2.00	19.5				2.50	24.4		
SLBS2111	5/9 South	STL-IV	STL-IV-3-S32	761	2.50	70.5				3.00	84.6		
SLBS2089	5/9 South	STL-IV	STL-IV-3-S33	419	2.50	38.8				3.00	46.5		
SLBS2146	5/9 South	STL-IV	STL-IV-3-S33	500	2.50	46.3	1333.7	115.8		3.00	55.6	140.5	
SLBS2048	5/9 South	STL-IV	STL-IV-3-S33	415	2.00	30.7				2.50	38.4		
SLBS1036	5/9 South	STL-IV	STL-IV-3-S34	973	2.00	72.1	1544.9	114.4		2.50	90.1	143.0	
GMBS2013	5/9 South	STL-IV	STL-IV-3-S34	572	2.00	42.4				2.50	53.0		
SLBS2143	5/9 South	STL-IV	STL-IV-3-S35	395	2.50	36.6	395.5	36.6		3.00	43.9	43.9	
SLBS2028	5/9 South	STL-IV	STL-IV-3-S36	203	1.50	11.3	307.7	17.1		2.00	15.0	22.8	
SLBS2149	5/9 South	STL-IV	STL-IV-3-S36	105	1.50	5.8				2.00	7.8		
SB_STL-IV2-1	5/9 South	STL-IV	STL-IV-3-S37	427	2.00	31.6				2.50	39.6		
STL-IV-2-59	5/9 South	STL-IV	STL-IV-3-S37	235	8.00	69.7	917.3	176.9		8.50	74.1	193.9	
STL-IV-2-42	5/9 South	STL-IV	STL-IV-3-S37	255	8.00	75.5				8.50	80.3		

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SLBS1009	5/9 South	STL-IV	STL-IV-3-S38	1052	7.50	292.2				8.00	311.7		
STL-IV-1-70	5/9 South	STL-IV	STL-IV-3-S38	594	2.00	44.0	3459.3	529.1		2.50	55.0	593.2	
STL-IV-1-16	5/9 South	STL-IV	STL-IV-3-S38	1022	2.00	75.7				2.50	94.7		
STL-IV-1-59	5/9 South	STL-IV	STL-IV-3-S38	791	4.00	117.2				4.50	131.8		
STL-IV-TC37-10	5/9 South	STL-IV	STL-IV-3-S39	345	1.50	19.2	590.2	32.8		2.00	25.5	43.7	
STL-IV-TC37-8	5/9 South	STL-IV	STL-IV-3-S39	245	1.50	13.6				2.00	18.2		
SLBS1008	5/9 South	STL-IV	STL-IV-3-S4	1943	2.00	143.9				2.50	179.9		
SLBS2075	5/9 South	STL-IV	STL-IV-3-S4	959	2.50	88.8				3.00	106.6		
SLBS2031	5/9 South	STL-IV	STL-IV-3-S4	524	1.50	29.1	6219.1	659.0		2.00	38.8	774.1	
SLBS2025	5/9 South	STL-IV	STL-IV-3-S4	1962	2.50	181.7				3.00	218.0		
SLBS1003	5/9 South	STL-IV	STL-IV-3-S4	831	7.00	215.5				7.50	230.9		
SLBS2080	5/9 South	STL-IV	STL-IV-3-S40	406	2.50	37.6	406.4	37.6		3.00	45.2	45.2	
SLBS2054	5/9 South	STL-IV	STL-IV-3-S41	397	1.50	22.1	397.2	22.1		2.00	29.4	29.4	
SLBS2118	5/9 South	STL-IV	STL-IV-3-S42	391	2.25	32.6	391.2	32.6		2.75	39.8	39.8	
SLBS2039	5/9 South	STL-IV	STL-IV-3-S43	326	1.50	18.1				2.00	24.1		
SLBS2144	5/9 South	STL-IV	STL-IV-3-S43	199	2.50	18.5	1537.3	130.3		3.00	22.2	158.7	
SLBS2145	5/9 South	STL-IV	STL-IV-3-S43	381	2.50	35.3				3.00	42.4		
SLBS2034	5/9 South	STL-IV	STL-IV-3-S43	631	2.50	58.4				3.00	70.1		
1576	5/9 South	STL-IV	STL-IV-3-S44	404	1.00	14.95	403.7	15.0		1.50	22.4	22.4	
SLBS2139	5/9 South	STL-IV	STL-IV-3-S5	741	2.50	68.6	740.9	68.6		3.00	82.3	82.3	
SLBS2112	5/9 South	STL-IV	STL-IV-3-S6	1461	11.00	595.4				11.50	622.4		
SLBS3130	5/9 South	STL-IV	STL-IV-3-S6	1640	1.50	91.1				2.00	121.5		
SLBS3001	5/9 South	STL-IV	STL-IV-3-S6	3449	7.00	894.2				7.50	958.0		
SLBS3133	5/9 South	STL-IV	STL-IV-3-S6	7633	1.50	424.0				2.00	565.4		
SLBS3004	5/9 South	STL-IV	STL-IV-3-S6	3023	1.50	168.0				2.00	224.0		
SLBS2101	5/9 South	STL-IV	STL-IV-3-S6	5933	2.50	549.4				3.00	659.3		
SLBS2114	5/9 South	STL-IV	STL-IV-3-S6	3093	3.50	401.0				4.00	458.2		
SLBS3022	5/9 South	STL-IV	STL-IV-3-S6	3529	2.50	326.7	59138.0	6957.5		3.00	392.1	8,052.6	
SLTS1507	5/9 South	STL-IV	STL-IV-3-S6	2965	3.00	329.4				3.50	384.3		
SLTS1506	5/9 South	STL-IV	STL-IV-3-S6	823	3.00	91.4				3.50	106.7		
SLBS2049	5/9 South	STL-IV	STL-IV-3-S6	2716	2.50	251.4				3.00	301.7		
SLBS3003	5/9 South	STL-IV	STL-IV-3-S6	5966	1.50	331.4				2.00	441.9		
SLBS3002	5/9 South	STL-IV	STL-IV-3-S6	3831	1.50	212.8				2.00	283.8		
SLBS2102	5/9 South	STL-IV	STL-IV-3-S6	5616	2.50	520.0				3.00	624.0		
SLBS2046	5/9 South	STL-IV	STL-IV-3-S6	2932	5.50	597.3				6.00	651.6		
SLBS2100	5/9 South	STL-IV	STL-IV-3-S6	4528	7.00	1,173.9				7.50	1,257.7		
SLBS2061	5/9 South	STL-IV	STL-IV-3-S7	394	6.00	87.5	393.7	87.5		6.50	94.8	94.8	
SLBS2184	5/9 South	STL-IV	STL-IV-3-S8	1411	2.50	130.6	1410.9	130.6		3.00	156.8	156.8	
SLBS2010	5/9 South	STL-IV	STL-IV-3-S9	1150	2.50	106.5				3.00	127.7		
SLBS2090	5/9 South	STL-IV	STL-IV-3-S9	1951	1.50	108.4				2.00	144.5		
SLBS34	5/9 South	STL-IV	STL-IV-3-S9	870	2.00	64.4	6894.2	514.5		2.50	80.6	642.2	
SLBS2153	5/9 South	STL-IV	STL-IV-3-S9	1010	2.50	93.5				3.00	112.2		
SLBS2154	5/9 South	STL-IV	STL-IV-3-S9	1913	2.00	141.7				2.50	177.2		
768	5/9 South	STL-IV	STL-IV-3-SV1	2260	6.00	502.32	2260.5	502.3		6.50	544.2	544.2	
771	5/9 South	STL-IV	STL-IV-3-SV2	579	7.00	150.01	578.6	150.0		7.50	160.7	160.7	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
STBS3006	5/9 South	STP-3	STP3-3-S1	585	2.50	54.2				3.00	65.0		
STBS2005	5/9 South	STP-3	STP3-3-S1	1325	7.00	343.6				7.50	368.2		
STBS2063	5/9 South	STP-3	STP3-3-S1	715	7.00	185.4	3516.1	946.7		7.50	198.6	1,011.9	
STBS3014	5/9 South	STP-3	STP3-3-S1	145	6.00	32.3				6.50	35.0		
STBS1018	5/9 South	STP-3	STP3-3-S1	745	12.00	331.3				12.50	345.1		
STBS1400	5/9 South	STP-3	STP3-3-S10	405	2.00	30.0	405.0	30.0		2.50	37.5	37.5	
STBS2065	5/9 South	STP-3	STP3-3-S2	1580	5.50	321.9				6.00	351.2		
STBS1007	5/9 South	STP-3	STP3-3-S2	812	2.00	60.2				2.50	75.2		
STBS2043	5/9 South	STP-3	STP3-3-S2	3081	1.50	171.2				2.00	228.2		
STBS3012	5/9 South	STP-3	STP3-3-S2	7946	1.50	441.5				2.00	588.6		
CFBS3056	5/9 South	STP-3	STP3-3-S2	3001	1.50	166.7				2.00	222.3		
STBS2047	5/9 South	STP-3	STP3-3-S2	865	4.00	128.1	20839.3	1806.8		4.50	144.1	2,192.7	
STBS2049	5/9 South	STP-3	STP3-3-S2	946	1.50	52.5				2.00	70.1		
STBS1010	5/9 South	STP-3	STP3-3-S2	1308	6.00	290.6				6.50	314.8		
STBS2058	5/9 South	STP-3	STP3-3-S2	478	2.50	44.3			3,042.5	3.00	53.2		3,565.6
STBS02	5/9 South	STP-3	STP3-3-S2	487	6.00	108.2				6.50	117.2		
STBS1006	5/9 South	STP-3	STP3-3-S2	163	2.00	12.1				2.50	15.1		
STBS01	5/9 South	STP-3	STP3-3-S2	173	1.50	9.6				2.00	12.8		
STBS1005	5/9 South	STP-3	STP3-3-S3	393	1.50	21.8	393.1	21.8		2.00	29.1	29.1	
STBS2006	5/9 South	STP-3	STP3-3-S4	639	1.50	35.5	1071.6	59.5		2.00	47.4	79.4	
STBS2011	5/9 South	STP-3	STP3-3-S4	432	1.50	24.0				2.00	32.0		
CFBS2008	5/9 South	STP-3	STP3-3-S5	436	1.50	24.2	436.1	24.2		2.00	32.3	32.3	
STBS1014	5/9 South	STP-3	STP3-3-S6	271	2.00	20.1	662.1	41.8		2.50	25.1	54.1	
STBS2052	5/9 South	STP-3	STP3-3-S6	391	1.50	21.7				2.00	29.0		
STBS1002	5/9 South	STP-3	STP3-3-S7	401	2.00	29.7	401.5	29.7		2.50	37.2	37.2	
STBS03	5/9 South	STP-3	STP3-3-S8	185	5.00	34.3	390.2	72.3		5.50	37.7	79.5	
STBS2054	5/9 South	STP-3	STP3-3-S8	205	5.00	38.0				5.50	41.8		
STTS01	5/9 South	STP-3	STP3-3-S9	130	2.00	9.6	130.1	9.6		2.50	12.0	12.0	
CLBS2065	1B SE	CTL-III	CTL-III-3-S1	316	1.50	17.5				2.00	23.4		
CLBS19	1B SE	CTL-III	CTL-III-3-S1	276	1.50	15.4	714.2	39.7		2.00	20.5	52.9	
CLBS49	1B SE	CTL-III	CTL-III-3-S1	122	1.50	6.8				2.00	9.0		
CLBS2176	1B SE	CTL-III	CTL-III-3-S10	1014	1.50	56.3				2.00	75.1		
CLBS2130	1B SE	CTL-III	CTL-III-3-S10	2243	6.00	498.5				6.50	540.0		
CLBS2137	1B SE	CTL-III	CTL-III-3-S10	2284	2.50	211.5				3.00	253.7		
CLBS2035	1B SE	CTL-III	CTL-III-3-S10	1475	1.50	81.9				2.00	109.2		
CLBS2104	1B SE	CTL-III	CTL-III-3-S10	3116	1.50	173.1				2.00	230.8		
CLBS3054	1B SE	CTL-III	CTL-III-3-S10	1802	5.00	333.7	20493.7	2015.8		5.50	367.1	2,395.3	
CLBS2106	1B SE	CTL-III	CTL-III-3-S10	1555	2.50	144.0				3.00	172.8		
CLBS2034	1B SE	CTL-III	CTL-III-3-S10	1378	2.50	127.6				3.00	153.1		
CLST1001	1B SE	CTL-III	CTL-III-3-S10	1276	2.00	94.5				2.50	118.2		
CLST1002	1B SE	CTL-III	CTL-III-3-S10	2856	2.00	211.6				2.50	264.4		
CLBS2120	1B SE	CTL-III	CTL-III-3-S10	1495	1.50	83.0				2.00	110.7		
CLBS1045	1B SE	CTL-III	CTL-III-3-S11	665	7.00	172.4	664.8	172.4		7.50	184.7	184.7	
CLBS3047	1B SE	CTL-III	CTL-III-3-S13	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
CLBS3000	1B SE	CTL-III	CTL-III-3-S15a	58	1.50	3.2	58.1	3.2		2.00	4.3	4.3	

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CLBS35	1B SE	CTL-III	CTL-III-3-S16	113	1.50	6.3	215.1	47.8		2.00	8.4	51.7	
CLBS2031	1B SE	CTL-III	CTL-III-3-S16	102	11.00	41.5				11.50	43.3		
CLBS1017	1B SE	CTL-III	CTL-III-3-S17a	1321	2.00	97.8	2862.1	183.5		2.50	122.3	236.5	
CLBS2076	1B SE	CTL-III	CTL-III-3-S17a	411	1.50	22.8				2.00	30.4		
CLBS2038	1B SE	CTL-III	CTL-III-3-S17a	1131	1.50	62.8				2.00	83.8		
CLBS62	1B SE	CTL-III	CTL-III-3-S18	464	2.50	43.0	1001.9	112.7		3.00	51.6	131.2	
CLTS1100	1B SE	CTL-III	CTL-III-3-S18	537	3.50	69.7				4.00	79.6		
CLBS2143	1B SE	CTL-III	CTL-III-3-S19	1398	1.50	77.6	1397.6	77.6		2.00	103.5	103.5	
CLBS2162	1B SE	CTL-III	CTL-III-3-S2	46	1.50	2.6	46.5	2.6		2.00	3.4	3.4	
CLBS2037	1B SE	CTL-III	CTL-III-3-S20	374	1.50	20.8	680.0	43.4		2.00	27.7	56.0	
CLST1003	1B SE	CTL-III	CTL-III-3-S20	306	2.00	22.6				2.50	28.3		
CLBS1104	1B SE	CTL-III	CTL-III-3-S21	401	7.00	104.0	401.2	104.0		7.50	111.4	111.4	
GMBS2001	1B SE	CTL-III	CTL-III-3-S22	2057	2.10	160.0	6176.1	425.5		2.60	198.1	539.9	
CLBS1100	1B SE	CTL-III	CTL-III-3-S22	1979	2.00	146.6				2.50	183.2		
CLBS1177	1B SE	CTL-III	CTL-III-3-S22	546	1.50	30.3				2.00	40.4		
CLBS1176	1B SE	CTL-III	CTL-III-3-S22	1186	1.50	65.9				2.00	87.9		
CLBS2045	1B SE	CTL-III	CTL-III-3-S22	408	1.50	22.7				2.00	30.2		
CLBS2125	1B SE	CTL-III	CTL-III-3-S23a	432	1.50	24.0	1490.9	298.6		2.00	32.0	326.2	
CLBS1046	1B SE	CTL-III	CTL-III-3-S23a	1059	7.00	274.6				7.50	294.2		
CLBS1191	1B SE	CTL-III	CTL-III-3-S24	167	1.00	6.2	240.2	9.6		1.50	9.3	14.0	
CLBS1192	1B SE	CTL-III	CTL-III-3-S24	73	1.25	3.4				1.75	4.7		
CLBS2109	1B SE	CTL-III	CTL-III-3-S25	517	5.00	95.7	6349.0	635.4		5.50	105.3	752.9	
CLBS1179	1B SE	CTL-III	CTL-III-3-S25	982	1.50	54.6				2.00	72.8		
CLBS2148	1B SE	CTL-III	CTL-III-3-S25	1311	1.50	72.9				2.00	97.1		
CLBS3003	1B SE	CTL-III	CTL-III-3-S25	1219	1.50	67.7				2.00	90.3		
CLBS2149	1B SE	CTL-III	CTL-III-3-S25	1541	2.50	142.7				3.00	171.2		
CLBS1101	1B SE	CTL-III	CTL-III-3-S25	778	7.00	201.8				7.50	216.2		
CLBS1220	1B SE	CTL-III	CTL-III-3-S26	987	2.50	91.4	3006.5	624.1		3.00	109.6	679.8	
CLBS1048	1B SE	CTL-III	CTL-III-3-S26	1245	10.00	460.9				10.50	484.0		
CLBS1219	1B SE	CTL-III	CTL-III-3-S26	775	2.50	71.8				3.00	86.2		
CLBS2018	1B SE	CTL-III	CTL-III-3-S27	323	1.50	17.9	635.5	41.1		2.00	23.9	52.9	
CLBS1023	1B SE	CTL-III	CTL-III-3-S27	312	2.00	23.1				2.50	28.9		
CLBS2150	1B SE	CTL-III	CTL-III-3-S28	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
CLBS2087	1B SE	CTL-III	CTL-III-3-S29	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
CLBS59	1B SE	CTL-III	CTL-III-3-S3	300	1.50	16.6	529.9	33.7		2.00	22.2	43.5	
CLBS2121	1B SE	CTL-III	CTL-III-3-S3	230	2.00	17.1				2.50	21.3		
CLSS07	1B SE	CTL-III	CTL-III-3-S32	480	1.50	26.7	715.2	39.7		2.00	35.6	53.0	
CLBS28	1B SE	CTL-III	CTL-III-3-S32	235	1.50	13.0				2.00	17.4		
CLBS2080	1B SE	CTL-III	CTL-III-3-S33	79	1.50	4.4	78.5	4.4		2.00	5.8	5.8	
CLBS2102	1B SE	CTL-III	CTL-III-3-S34	188	1.50	10.4	187.8	10.4		2.00	13.9	13.9	
CLBS1035	1B SE	CTL-III	CTL-III-3-S35	401	6.00	89.1	401.1	89.1		6.50	96.6	96.6	
CLBS2036	1B SE	CTL-III	CTL-III-3-S36	198	2.50	18.3	737.8	63.9		3.00	21.9	77.5	
CLBS2151	1B SE	CTL-III	CTL-III-3-S36	300	2.50	27.8				3.00	33.4		
CLST1000	1B SE	CTL-III	CTL-III-3-S36	240	2.00	17.8				2.50	22.2		
SWBS1008	1B SE	CTL-III	CTL-III-3-S37	872	1.25	40.4				1.75	56.5		

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CLBS80S01	1B SE	CTL-III	CTL-III-3-S37	529	1.50	29.4				2.00	39.2		
CLTS02S05	1B SE	CTL-III	CTL-III-3-S37	676	10.00	250.4				10.50	262.9		
CLBS1012	1B SE	CTL-III	CTL-III-3-S37	661	2.00	49.0				2.50	61.2		
CLBS1194	1B SE	CTL-III	CTL-III-3-S37	1737	1.00	64.3				1.50	96.5		
CLBS2088	1B SE	CTL-III	CTL-III-3-S37	1546	3.30	188.9				3.80	217.5		
CLBS1102	1B SE	CTL-III	CTL-III-3-S37	615	2.00	45.6				2.50	57.0		
CLBS80S70	1B SE	CTL-III	CTL-III-3-S37	34	1.50	1.9				2.00	2.5		
CLBS80S03	1B SE	CTL-III	CTL-III-3-S37	425	1.50	23.6	15402.6	2669.4		2.00	31.5	2,954.7	
CLBS80S02	1B SE	CTL-III	CTL-III-3-S37	313	1.50	17.4				2.00	23.2		
CLTS02S02	1B SE	CTL-III	CTL-III-3-S37	1002	4.00	148.4				4.50	167.0		
CLBS2016	1B SE	CTL-III	CTL-III-3-S37	682	7.00	176.8				7.50	189.5		
CLBS1188	1B SE	CTL-III	CTL-III-3-S37	404	2.00	29.9				2.50	37.4		
CLBS1193	1B SE	CTL-III	CTL-III-3-S37	1520	3.00	168.8				3.50	197.0		
CLBS2017	1B SE	CTL-III	CTL-III-3-S37	1119	2.50	103.6				3.00	124.4		
CLBS2095	1B SE	CTL-III	CTL-III-3-S37	1983	11.00	807.9				11.50	844.6		
CLBS2049	1B SE	CTL-III	CTL-III-3-S37	1284	11.00	523.0				11.50	546.8		
CLBS2025	1B SE	CTL-III	CTL-III-3-S38	441	1.50	24.5	440.9	24.5		2.00	32.7	32.7	
CLBS1126	1B SE	CTL-III	CTL-III-3-S4	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
CLBS2075	1B SE	CTL-III	CTL-III-3-S5	808	11.00	329.3				11.50	344.3		
CLBS1127	1B SE	CTL-III	CTL-III-3-S5	504	1.50	28.0	2169.3	509.0	33,777.3	2.00	37.4	549.2	38,506.6
CLBS1016	1B SE	CTL-III	CTL-III-3-S5	511	7.00	132.5				7.50	142.0		
CLBS2081	1B SE	CTL-III	CTL-III-3-S5	345	1.50	19.2				2.00	25.6		
CLBS2063	1B SE	CTL-III	CTL-III-3-S8	2036	5.00	377.1				5.50	414.8		
CLBS1235	1B SE	CTL-III	CTL-III-3-S8	1797	3.00	199.6				3.50	232.9		
CLBS2136	1B SE	CTL-III	CTL-III-3-S8	760	4.00	112.6	11882.5	1300.4		4.50	126.6	1,520.5	
CLBS2103	1B SE	CTL-III	CTL-III-3-S8	3579	1.50	198.8				2.00	265.1		
CLBS1238	1B SE	CTL-III	CTL-III-3-S8	1798	3.00	199.7				3.50	233.0		
CLBS1236	1B SE	CTL-III	CTL-III-3-S8	1913	3.00	212.6				3.50	248.0		
524	1B SE	CTL-III	CTL-III-3-SV1	2174	6.00	483.13	2174.1	483.1		6.50	523.4	523.4	
CLBS2129	1B SE	CTL-III	CTL-III-3-SV2	4362	2.00	323.1				2.50	403.9		
CLBS1215	1B SE	CTL-III	CTL-III-3-SV2	5417	3.00	601.9				3.50	702.2		
CLBS2020	1B SE	CTL-III	CTL-III-3-SV2	8224	2.50	761.5	32196.4	3222.6		3.00	913.8	3,818.8	
CLBS1054	1B SE	CTL-III	CTL-III-3-SV2	6817	2.00	505.0				2.50	631.2		
CLBS1038	1B SE	CTL-III	CTL-III-3-SV2	4759	2.00	352.5				2.50	440.6		
CLBS2071	1B SE	CTL-III	CTL-III-3-SV2	2618	7.00	678.7				7.50	727.1		
CLBS1229	1B SE	CTL-III	CTL-III-3-SV3/S6	2494	17.50	1,616.3				18.00	1,662.4		
CLBS1228	1B SE	CTL-III	CTL-III-3-SV3/S6	2195	17.50	1,422.8				18.00	1,463.4		
CLBS1227	1B SE	CTL-III	CTL-III-3-SV3/S6	2147	14.50	1,152.9				15.00	1,192.7		
CLBS1039	1B SE	CTL-III	CTL-III-3-SV3/S6	1467	2.00	108.6				2.50	135.8		
CLBS1026	1B SE	CTL-III	CTL-III-3-SV3/S6	3296	2.00	244.2				2.50	305.2		
CLBS1224	1B SE	CTL-III	CTL-III-3-SV3/S6	946	4.00	140.1				4.50	157.6		
CLBS1222	1B SE	CTL-III	CTL-III-3-SV3/S6	1237	4.00	183.2	21813.6	6423.1		4.50	206.1	6,827.1	
CLBS1226	1B SE	CTL-III	CTL-III-3-SV3/S6	598	12.50	276.8				13.00	287.9		
CLBS1051	1B SE	CTL-III	CTL-III-3-SV3/S6	807	5.00	149.5				5.50	164.5		
CLBS2141	1B SE	CTL-III	CTL-III-3-SV3/S6	188	7.00	48.8				7.50	52.3		

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
CLBS1225	1B SE	CTL-III	CTL-III-3-SV3/S6	1269	4.00	188.1				4.50	211.6		
CLBS1223	1B SE	CTL-III	CTL-III-3-SV3/S6	711	4.00	105.3				4.50	118.4		
CLBS1049	1B SE	CTL-III	CTL-III-3-SV3/S6	1379	2.00	102.1				2.50	127.7		
CLBS1050	1B SE	CTL-III	CTL-III-3-SV3/S6	3080	6.00	684.4				6.50	741.5		
CLBS2060	1B SE	CTL-III	CTL-III-3-SV4/S7	2036	2.00	150.8				2.50	188.6		
CLBS2033	1B SE	CTL-III	CTL-III-3-SV4/S7	2307	1.50	128.1				2.00	170.9		
CLBS1217	1B SE	CTL-III	CTL-III-3-SV4/S7	2413	2.50	223.4				3.00	268.1		
CLBS09	1B SE	CTL-III	CTL-III-3-SV4/S7	3253	1.50	180.7				2.00	241.0		
CLBS2058	1B SE	CTL-III	CTL-III-3-SV4/S7	2993	1.50	166.3				2.00	221.7		
CLBS2061	1B SE	CTL-III	CTL-III-3-SV4/S7	2618	2.00	193.9				2.50	242.4		
CLBS06	1B SE	CTL-III	CTL-III-3-SV4/S7	2443	2.00	180.9	27918.7	2919.7		2.50	226.2	3,436.7	
CLBS1022	1B SE	CTL-III	CTL-III-3-SV4/S7	1918	2.00	142.1				2.50	177.6		
CLBS1057	1B SE	CTL-III	CTL-III-3-SV4/S7	2011	2.00	149.0				2.50	186.2		
CLBS3032	1B SE	CTL-III	CTL-III-3-SV4/S7	212	1.50	11.8				2.00	15.7		
CLBS1058	1B SE	CTL-III	CTL-III-3-SV4/S7	945	2.00	70.0				2.50	87.5		
CLBS1150	1B SE	CTL-III	CTL-III-3-SV4/S7	3310	7.70	944.0				8.20	1,005.3		
CLBS1021	1B SE	CTL-III	CTL-III-3-SV4/S7	1461	7.00	378.7				7.50	405.7		
CLBS2057	1B SE	CTL-III	CTL-III-3-SV5/S9	1157	2.50	107.1	2046.3	311.4		3.00	128.5	349.3	
CLBS1142	1B SE	CTL-III	CTL-III-3-SV5/S9	889	6.20	204.2				6.70	220.7		
CLBS1043	1B SE	CTL-III	CTL-III-3-SV6/S12	2873	2.00	212.8				2.50	266.0		
CLBS1209	1B SE	CTL-III	CTL-III-3-SV6/S12	772	2.50	71.5	6423.8	438.7		3.00	85.8	557.6	
CLBS2028	1B SE	CTL-III	CTL-III-3-SV6/S12	2779	1.50	154.4				2.00	205.8		
CLBS38	1B SE	CTL-III	CTL-III-3-SV7/S14	627	7.00	162.5				7.50	174.1		
CLBS85	1B SE	CTL-III	CTL-III-3-SV7/S14	497	7.00	128.8				7.50	138.0		
CLBS2134	1B SE	CTL-III	CTL-III-3-SV7/S14	2792	2.50	258.5				3.00	310.2		
CLBS05	1B SE	CTL-III	CTL-III-3-SV7/S14	837	6.00	186.0				6.50	201.4		
CLBS1213	1B SE	CTL-III	CTL-III-3-SV7/S14	6726	2.50	622.8				3.00	747.4		
CLBS2133	1B SE	CTL-III	CTL-III-3-SV7/S14	1307	10.00	484.0				10.50	508.2		
CLBS1234	1B SE	CTL-III	CTL-III-3-SV7/S14	3560	3.00	395.6				3.50	461.5		
CLBS1233	1B SE	CTL-III	CTL-III-3-SV7/S14	1917	3.00	213.1				3.50	248.6		
CLBS1232	1B SE	CTL-III	CTL-III-3-SV7/S14	8508	3.00	945.4				3.50	1,102.9		
CLBS2019	1B SE	CTL-III	CTL-III-3-SV7/S14	4309	1.50	239.4				2.00	319.2		
CLBS2115	1B SE	CTL-III	CTL-III-3-SV7/S14	2937	1.50	163.2				2.00	217.6		
CLBS2012	1B SE	CTL-III	CTL-III-3-SV7/S14	3587	2.50	332.2				3.00	398.6		
CLBS2113	1B SE	CTL-III	CTL-III-3-SV7/S14	3504	2.50	324.5				3.00	389.3		
GMBS2007	1B SE	CTL-III	CTL-III-3-SV7/S14	2622	1.50	145.7				2.00	194.2		
CLBS1237	1B SE	CTL-III	CTL-III-3-SV7/S14	3324	7.00	861.8				7.50	923.4		
CLBS22	1B SE	CTL-III	CTL-III-3-SV7/S14	2929	2.50	271.2				3.00	325.4		
CLBS2132	1B SE	CTL-III	CTL-III-3-SV7/S14	2456	1.50	136.5				2.00	182.0		
CLBS2015	1B SE	CTL-III	CTL-III-3-SV7/S14	4011	7.00	1,039.8	82228.1	10300.7		7.50	1,114.1	11,823.5	
CLBS46	1B SE	CTL-III	CTL-III-3-SV7/S14	1037	1.50	57.6				2.00	76.8		
CLBS1125	1B SE	CTL-III	CTL-III-3-SV7/S14	2137	2.00	158.3				2.50	197.8		
CLBS1123	1B SE	CTL-III	CTL-III-3-SV7/S14	1072	9.00	357.2				9.50	377.1		
CLSS05	1B SE	CTL-III	CTL-III-3-SV7/S14	893	1.50	49.6				2.00	66.1		
CLSS06	1B SE	CTL-III	CTL-III-3-SV7/S14	984	1.50	54.7				2.00	72.9		

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CLBS04	1B SE	CTL-III	CTL-III-3-SV7/S14	280	1.50	15.5				2.00	20.7		
CLBS03	1B SE	CTL-III	CTL-III-3-SV7/S14	1758	1.50	97.7				2.00	130.2		
CLBS01	1B SE	CTL-III	CTL-III-3-SV7/S14	1162	1.50	64.6				2.00	86.1		
CLBS1124	1B SE	CTL-III	CTL-III-3-SV7/S14	1777	1.50	98.7				2.00	131.6		
CLBS2013	1B SE	CTL-III	CTL-III-3-SV7/S14	4852	5.00	898.5				5.50	988.3		
CLBS2011	1B SE	CTL-III	CTL-III-3-SV7/S14	1312	1.50	72.9				2.00	97.2		
CLBS2114	1B SE	CTL-III	CTL-III-3-SV7/S14	1683	2.50	155.8				3.00	186.9		
CLBS2032	1B SE	CTL-III	CTL-III-3-SV7/S14	2458	7.00	637.3				7.50	682.9		
CLBS1212	1B SE	CTL-III	CTL-III-3-SV7/S14	864	2.50	80.0				3.00	96.0		
CLBS2007	1B SE	CTL-III	CTL-III-3-SV7/S14	1778	3.00	197.5				3.50	230.5		
CLBS32	1B SE	CTL-III	CTL-III-3-SV7/S14	1473	6.00	327.3				6.50	354.6		
CLBS1015	1B SE	CTL-III	CTL-III-3-SV7/S14	257	7.00	66.7				7.50	71.5		
PPBS1033	1B SE	Perim Pond	PP-3-S1	3999	2.00	296.2				2.50	370.3		
PPBS03	1B SE	Perim Pond	PP-3-S1	3468	3.00	385.4				3.50	449.6		
PPBS1010	1B SE	Perim Pond	PP-3-S1	1232	7.00	319.3				7.50	342.1		
PPBS0005	1B SE	Perim Pond	PP-3-S1	1516	6.00	336.8				6.50	364.9		
PPBS1049	1B SE	Perim Pond	PP-3-S1	1429	1.50	79.4				2.00	105.9		
PPBS2030	1B SE	Perim Pond	PP-3-S1	2262	3.00	251.3				3.50	293.2		
PS-9	1B SE	Perim Pond	PP-3-S1	849	2.50	78.7				3.00	94.4		
PPBS1004	1B SE	Perim Pond	PP-3-S1	4152	7.00	1,076.4				7.50	1,153.3		
PPSS03	1B SE	Perim Pond	PP-3-S1	654	1.50	36.3				2.00	48.4		
PPBS1024	1B SE	Perim Pond	PP-3-S1	699	2.00	51.8	34658.9	4499.6		2.50	64.7	5,141.4	
PPBS1012	1B SE	Perim Pond	PP-3-S1	1983	2.00	146.9				2.50	183.6		
PPBS1000	1B SE	Perim Pond	PP-3-S1	1033	2.00	76.5				2.50	95.7		
PPSS01	1B SE	Perim Pond	PP-3-S1	1933	1.50	107.4				2.00	143.2		
PPBS2004	1B SE	Perim Pond	PP-3-S1	1130	1.50	62.8				2.00	83.7		
PPBS2031	1B SE	Perim Pond	PP-3-S1	697	1.50	38.7				2.00	51.6		
PPBS0004	1B SE	Perim Pond	PP-3-S1	1117	4.00	165.4			5,012.7	4.50	186.1		5,737.8
PPBS02	1B SE	Perim Pond	PP-3-S1	1292	3.00	143.5				3.50	167.5		
PPBS1002	1B SE	Perim Pond	PP-3-S1	2727	2.00	202.0				2.50	252.5		
PPBS1037	1B SE	Perim Pond	PP-3-S1	2487	7.00	644.7				7.50	690.7		
PPBS1014	1B SE	Perim Pond	PP-3-S2	838	2.00	62.1				2.50	77.6		
PPBS1017	1B SE	Perim Pond	PP-3-S2	584	4.00	86.6				4.50	97.4		
PPTS07	1B SE	Perim Pond	PP-3-S2	620	4.00	91.9				4.50	103.3		
PPBS3001	1B SE	Perim Pond	PP-3-S2	1124	2.00	83.3	4044.1	487.0		2.50	104.1	561.9	
PPBS1015	1B SE	Perim Pond	PP-3-S2	234	2.00	17.3				2.50	21.7		
PPTS03	1B SE	Perim Pond	PP-3-S2	282	5.00	52.3				5.50	57.5		
PPBS1016	1B SE	Perim Pond	PP-3-S2	361	7.00	93.6				7.50	100.2		
PPBS3003	1B SE	Perim Pond	PP-3-S3	120	1.50	6.7	119.8	6.7		2.00	8.9	8.9	
PPBS2012	1B SE	Perim Pond	PP-3-S4	136	1.50	7.6	136.1	7.6		2.00	10.1	10.1	
PPBS2003	1B SE	Perim Pond	PP-3-S5	124	1.50	6.9	124.1	6.9		2.00	9.2	9.2	
PPBS1009	1B SE	Perim Pond	PP-3-S6	68	2.00	5.0	68.0	5.0		2.50	6.3	6.3	
ECBS1009	5/9 North	ECL	ECL-3-S7	1842	2.00	136.5	1842.3	136.5		2.50	170.6	170.6	
ECTS02S04	5/9 North	ECL	ECL-3-S1	758	3.00	84.2				3.50	98.2		
ECTS03S01	5/9 North	ECL	ECL-3-S1	1335	4.50	222.6				5.00	247.3		

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ECBS13	5/9 North	ECL	ECL-3-S1	2259	2.50	209.1				3.00	251.0		
ECBS2025	5/9 North	ECL	ECL-3-S1	666	1.50	37.0				2.00	49.3		
ECBS1030	5/9 North	ECL	ECL-3-S1	315	1.50	17.5				2.00	23.4		
ECBS04	5/9 North	ECL	ECL-3-S1	943	1.50	52.4				2.00	69.9		
ECTS06S01	5/9 North	ECL	ECL-3-S1	2459	2.50	227.7				3.00	273.2		
ECBS11	5/9 North	ECL	ECL-3-S1	513	6.00	114.1				6.50	123.6		
ECBS2022	5/9 North	ECL	ECL-3-S1	243	2.50	22.5				3.00	27.0		
ECTS02S02	5/9 North	ECL	ECL-3-S1	565	4.00	83.7				4.50	94.1		
ECTS02S01	5/9 North	ECL	ECL-3-S1	278	2.50	25.7	20583.5	2195.8		3.00	30.9	2,577.0	
ECBS1003	5/9 North	ECL	ECL-3-S1	1459	6.50	351.3				7.00	378.3		
ECBS2056	5/9 North	ECL	ECL-3-S1	1823	1.50	101.3				2.00	135.1		
ECBS1006	5/9 North	ECL	ECL-3-S1	624	2.00	46.3				2.50	57.8		
ECBS2026	5/9 North	ECL	ECL-3-S1	567	1.50	31.5				2.00	42.0		
ECBS1027	5/9 North	ECL	ECL-3-S1	821	2.00	60.8				2.50	76.0		
ECSS01	5/9 North	ECL	ECL-3-S1	496	2.00	36.7				2.50	45.9		
D-5-05	5/9 North	ECL	ECL-3-S1	558	2.00	41.3				2.50	51.6		
D-5-04	5/9 North	ECL	ECL-3-S1	454	2.00	33.7				2.50	42.1		
ECBS18	5/9 North	ECL	ECL-3-S1	1791	2.00	132.6				2.50	165.8		
ECBS1001	5/9 North	ECL	ECL-3-S1	1194	5.00	221.0				5.50	243.1		
ECTS01	5/9 North	ECL	ECL-3-S1	461	2.50	42.7				3.00	51.2		
ECBS2057	5/9 North	ECL	ECL-3-S2	1517	1.50	84.3				2.00	112.4		
ECBS21	5/9 North	ECL	ECL-3-S2	1807	1.50	100.4				2.00	133.8		
ECBS2036	5/9 North	ECL	ECL-3-S2	1019	5.00	188.6				5.50	207.5		
SB_STS-I3	5/9 North	ECL	ECL-3-S2	662	3.50	85.8				4.00	98.0		
ECBS16	5/9 North	ECL	ECL-3-S2	1495	11.00	609.2				11.50	636.8		
ECBS1032	5/9 North	ECL	ECL-3-S2	1578	2.00	116.9			7,885.9	2.50	146.1		9,248.0
ECBS1007	5/9 North	ECL	ECL-3-S2	1170	2.00	86.7				2.50	108.4		
ECBS3019	5/9 North	ECL	ECL-3-S2	1343	7.50	373.1				8.00	398.0		
SB_STE-01	5/9 North	ECL	ECL-3-S2	1520	1.50	84.5				2.00	112.6		
ECBS15	5/9 North	ECL	ECL-3-S2	1213	2.50	112.3				3.00	134.8		
ECBS08	5/9 North	ECL	ECL-3-S2	1416	1.50	78.7				2.00	104.9		
ECBS1024	5/9 North	ECL	ECL-3-S2	378	2.00	28.0	25518.3	3092.7		2.50	35.0	3,565.2	
ECSS02	5/9 North	ECL	ECL-3-S2	131	2.00	9.7				2.50	12.2		
D-5-03	5/9 North	ECL	ECL-3-S2	877	2.00	64.9				2.50	81.2		
ECL-78	5/9 North	ECL	ECL-3-S2	1376	2.00	101.9				2.50	127.4		
ECL-66	5/9 North	ECL	ECL-3-S2	444	2.00	32.9				2.50	41.1		
D-5-02	5/9 North	ECL	ECL-3-S2	977	2.00	72.3				2.50	90.4		
ECBS1013	5/9 North	ECL	ECL-3-S2	456	2.00	33.8				2.50	42.2		
ECBS17	5/9 North	ECL	ECL-3-S2	1457	7.50	404.8				8.00	431.8		
SB_STW-IL	5/9 North	ECL	ECL-3-S2	1705	3.00	189.5				3.50	221.0		
ECBS1008	5/9 North	ECL	ECL-3-S2	513	2.00	38.0				2.50	47.5		
ECTS04	5/9 North	ECL	ECL-3-S2	1711	2.00	126.8				2.50	158.4		
SB_STE-IL	5/9 North	ECL	ECL-3-S2	752	2.50	69.7				3.00	83.6		
ECBS2043	5/9 North	ECL	ECL-3-S3	1121	4.00	166.0				4.50	186.8		
ECBS3027	5/9 North	ECL	ECL-3-S3	2269	1.50	126.0				2.00	168.0		

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ECBS22	5/9 North	ECL	ECL-3-S3	1044	1.50	58.0	11427.4	1150.5		2.00	77.4	1,362.1	
ECBS2044	5/9 North	ECL	ECL-3-S3	917	7.00	237.8				7.50	254.8		
ECBS2042	5/9 North	ECL	ECL-3-S3	6077	2.50	562.7				3.00	675.2		
ECBS3038	5/9 North	ECL	ECL-3-S4	165	1.50	9.1	164.6	9.1		2.00	12.2	12.2	
ECBS01	5/9 North	ECL	ECL-3-S5	3993	2.00	295.8	3992.6	295.8		2.50	369.7	369.7	
ECBS3003	5/9 North	ECL	ECL-3-S6	4002	3.00	444.7				3.50	518.8		
ECBS1031	5/9 North	ECL	ECL-3-S6	2176	2.00	161.2				2.50	201.5		
ECBS1035	5/9 North	ECL	ECL-3-S6	1326	2.00	98.2	10028.6	1005.5		2.50	122.8	1,191.2	
ECBS3022	5/9 North	ECL	ECL-3-S6	1281	1.50	71.2				2.00	94.9		
ECBS2053	5/9 North	ECL	ECL-3-S6	1243	5.00	230.3				5.50	253.3		
UNBS1016	5/9 North	UA of 5/9 N	59N-UA-3-S1	4488	5.00	831.1				5.50	914.2		
UNBS1012	5/9 North	UA of 5/9 N	59N-UA-3-S1	3122	5.00	578.2				5.50	636.0		
UNBS1011	5/9 North	UA of 5/9 N	59N-UA-3-S1	2389	5.00	442.5	13245.3	2452.8	2,452.8	5.50	486.7	2,698.1	2,698.1
UNBS1010	5/9 North	UA of 5/9 N	59N-UA-3-S1	2105	5.00	389.7				5.50	428.7		
UNBS1009	5/9 North	UA of 5/9 N	59N-UA-3-S1	1141	5.00	211.3				5.50	232.5		
D-2-02	5/9 North	Silvernale	SN-3-S1	2912	1.50	161.8				2.00	215.7		
SNFS3000	5/9 North	Silvernale	SN-3-S1	2438	2.00	180.6				2.50	225.7		
SNBS1009	5/9 North	Silvernale	SN-3-S1	6241	2.00	462.3				2.50	577.9		
D-2-01	5/9 North	Silvernale	SN-3-S1	2502	1.50	139.0				2.00	185.3		
SNFS01	5/9 North	Silvernale	SN-3-S1	3112	1.50	172.9				2.00	230.5		
SNFS02	5/9 North	Silvernale	SN-3-S1	2691	1.50	149.5				2.00	199.3		
D-2-03	5/9 North	Silvernale	SN-3-S1	3252	1.50	180.7				2.00	240.9		
SNBS1006	5/9 North	Silvernale	SN-3-S1	5457	2.00	404.2				2.50	505.2		
SNBS1010	5/9 North	Silvernale	SN-3-S1	5703	2.00	422.5				2.50	528.1		
SNBS1004	5/9 North	Silvernale	SN-3-S1	4256	2.00	315.3				2.50	394.1		
SNBS1002	5/9 North	Silvernale	SN-3-S1	4851	2.00	359.3				2.50	449.2		
SNBS1001	5/9 North	Silvernale	SN-3-S1	4052	2.00	300.2	80429.6	7699.5		2.50	375.2	9,188.9	
SNSS01	5/9 North	Silvernale	SN-3-S1	1327	1.50	73.7				2.00	98.3		
SNBS1005	5/9 North	Silvernale	SN-3-S1	6214	2.00	460.3				2.50	575.3		
SNFS04	5/9 North	Silvernale	SN-3-S1	1938	1.50	107.7				2.00	143.6		
SNFS03	5/9 North	Silvernale	SN-3-S1	676	1.50	37.5				2.00	50.1		
SNBS1003	5/9 North	Silvernale	SN-3-S1	3161	2.00	234.1				2.50	292.6		
SNBS20	5/9 North	Silvernale	SN-3-S1	2192	3.00	243.6				3.50	284.2		
SNBS21	5/9 North	Silvernale	SN-3-S1	2348	3.00	260.8				3.50	304.3		
SNBS2045	5/9 North	Silvernale	SN-3-S1	2376	4.50	396.1				5.00	440.1		
SNBS1007	5/9 North	Silvernale	SN-3-S1	2408	3.50	312.1				4.00	356.7		
SNBS1011	5/9 North	Silvernale	SN-3-S1	4741	5.00	877.9				5.50	965.7		
SNBS1008	5/9 North	Silvernale	SN-3-S1	4395	7.00	1,139.4				7.50	1,220.8		
SNBS1000	5/9 North	Silvernale	SN-3-S1	1188	7.00	308.1				7.50	330.1		
SNBS09	5/9 North	Silvernale	SN-3-S2	1476	1.50	82.0				2.00	109.3		
SNBS2039	5/9 North	Silvernale	SN-3-S2	5575	7.00	1,445.2				7.50	1,548.5		
SNBS1022	5/9 North	Silvernale	SN-3-S2	1589	2.00	117.7				2.50	147.2		
SNBS1020	5/9 North	Silvernale	SN-3-S2	3017	2.00	223.5				2.50	279.4		
SNBS2040	5/9 North	Silvernale	SN-3-S2	1633	1.50	90.7				2.00	121.0		
SNBS18	5/9 North	Silvernale	SN-3-S2	2255	2.00	167.1				2.50	208.8		

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SNBS10	5/9 North	Silvernale	SN-3-S2	3434	1.50	190.8	38342.1	4392.2		2.00	254.3	5,102.2	
SNBS1025	5/9 North	Silvernale	SN-3-S2	4926	2.00	364.9				2.50	456.1		
SNBS03	5/9 North	Silvernale	SN-3-S2	2921	1.50	162.3				2.00	216.4		
SNBS1032	5/9 North	Silvernale	SN-3-S2	3616	2.00	267.9				2.50	334.9		
SNBS1023	5/9 North	Silvernale	SN-3-S2	1728	1.50	96.0				2.00	128.0		
SNBS11	5/9 North	Silvernale	SN-3-S2	2424	5.00	448.9			18,514.0	5.50	493.7		21,629.9
SNBS17	5/9 North	Silvernale	SN-3-S2	2128	4.00	315.2				4.50	354.6		
SNBS2049	5/9 North	Silvernale	SN-3-S2	1620	7.00	420.1				7.50	450.1		
SNBS3029	5/9 North	Silvernale	SN-3-S3	949	1.50	52.7				2.00	70.3		
SNBS2038	5/9 North	Silvernale	SN-3-S3	396	1.50	22.0				2.00	29.4		
SNBS1036	5/9 North	Silvernale	SN-3-S3	395	1.50	21.9				2.00	29.3		
SNBS2010	5/9 North	Silvernale	SN-3-S3	203	5.00	37.6	2505.1	221.0		5.50	41.3	267.4	
SNBS3028	5/9 North	Silvernale	SN-3-S3	250	7.50	69.5				8.00	74.1		
SNBS2015	5/9 North	Silvernale	SN-3-S3	160	1.50	8.9				2.00	11.8		
SNBS3030	5/9 North	Silvernale	SN-3-S3	153	1.50	8.5				2.00	11.3		
SNBS1015	5/9 North	Silvernale	SN-3-S4	4266	1.67	263.9				2.17	342.9		
SNBS2006	5/9 North	Silvernale	SN-3-S4	1203	5.00	222.8				5.50	245.1		
SNBS2028	5/9 North	Silvernale	SN-3-S4	2205	7.00	571.7				7.50	612.6		
SNBS3051	5/9 North	Silvernale	SN-3-S4	972	1.50	54.0				2.00	72.0		
SNBS1014	5/9 North	Silvernale	SN-3-S4	1540	1.50	85.6				2.00	114.1		
SNBS1040	5/9 North	Silvernale	SN-3-S4	1778	2.00	131.7	22750.7	3925.2		2.50	164.6	4,346.5	
SNBS1039	5/9 North	Silvernale	SN-3-S4	371	2.00	27.5				2.50	34.4		
SNBS3050	5/9 North	Silvernale	SN-3-S4	1426	4.50	237.7				5.00	264.1		
SNBS3055	5/9 North	Silvernale	SN-3-S4	3720	7.00	964.4				7.50	1,033.3		
SNBS3052	5/9 North	Silvernale	SN-3-S4	2151	7.00	557.8				7.50	597.6		
SNBS3004	5/9 North	Silvernale	SN-3-S4	3117	7.00	808.2				7.50	865.9		
SNBS3046	5/9 North	Silvernale	SN-3-S5	1141	1.50	63.4				2.00	84.5		
SNBS2012	5/9 North	Silvernale	SN-3-S5	1303	1.50	72.4	4232.6	235.1		2.00	96.6	313.5	
SNBS2007	5/9 North	Silvernale	SN-3-S5	1000	1.50	55.6				2.00	74.1		
SNBS1035	5/9 North	Silvernale	SN-3-S5	788	1.50	43.8				2.00	58.3		
SNBS2008	5/9 North	Silvernale	SN-3-S6	101	1.50	5.6				2.00	7.5		
SNBS3015	5/9 North	Silvernale	SN-3-S6	78	1.50	4.3	242.1	13.4		2.00	5.8	17.9	
SNBS3016	5/9 North	Silvernale	SN-3-S6	63	1.50	3.5				2.00	4.6		
SNBS1042	5/9 North	Silvernale	SN-3-S7	1488	6.50	358.3				7.00	385.8		
SNBS2029	5/9 North	Silvernale	SN-3-S7	5067	1.50	281.5				2.00	375.3		
SNBS2016	5/9 North	Silvernale	SN-3-S7	4257	1.50	236.5				2.00	315.3		
SNBS3006	5/9 North	Silvernale	SN-3-S7	3116	1.50	173.1	19754.2	2027.5		2.00	230.8	2,393.3	
SNBS1043	5/9 North	Silvernale	SN-3-S7	607	6.50	146.2				7.00	157.4		
SNBS2027	5/9 North	Silvernale	SN-3-S7	2185	1.50	121.4				2.00	161.8		
SNBS3005	5/9 North	Silvernale	SN-3-S7	1026	5.00	190.0				5.50	209.0		
SNBS2025	5/9 North	Silvernale	SN-3-S7	2008	7.00	520.6				7.50	557.8		
CNBS0110	1A South	Canyon	CYN-3-S1	708	1.50	39.4	1426.3	92.5		2.00	52.5	118.9	
CNBS1013	1A South	Canyon	CYN-3-S1	718	2.00	53.2				2.50	66.5		
CNBS1106	1A South	Canyon	CYN-3-S10	2862	1.50	159.0	5640.6	313.4		2.00	212.0	417.8	
CNBS1094	1A South	Canyon	CYN-3-S10	2779	1.50	154.4				2.00	205.9		

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CNBS51S70	1A South	Canyon	CYN-3-S11	802	1.00	29.7	1732.0	81.4		1.50	44.6	113.4	
CNBS1051	1A South	Canyon	CYN-3-S11	930	1.50	51.6				2.00	68.9		
CNBS1090	1A South	Canyon	CYN-3-S12	1282	1.50	71.2	4304.1	257.2		2.00	95.0	336.9	
CNBS1104	1A South	Canyon	CYN-3-S12	1723	1.50	95.7				2.00	127.6		
CNBS1030	1A South	Canyon	CYN-3-S12	323	1.50	17.9				2.00	23.9		
CNBS1032	1A South	Canyon	CYN-3-S12	976	2.00	72.3				2.50	90.4		
CNBS0162	1A South	Canyon	CYN-3-S13	457	2.00	33.8	1607.5	102.9		2.50	42.3	132.7	
CNBS1074	1A South	Canyon	CYN-3-S13	444	1.50	24.7				2.00	32.9		
CNBS1016	1A South	Canyon	CYN-3-S13	430	1.50	23.9				2.00	31.9		
CNBS0164	1A South	Canyon	CYN-3-S13	276	2.00	20.5				2.50	25.6		
1477	1A South	Canyon	CYN-3-S14	897	1.10	36.54	896.9	36.5		1.60	53.2	53.2	
CNBS1029	1A South	Canyon	CYN-3-S15	846	1.50	47.0	6028.1	391.4		2.00	62.6	503.1	
CNBS0124	1A South	Canyon	CYN-3-S15	532	2.00	39.4				2.50	49.3		
CNBS1052	1A South	Canyon	CYN-3-S15	2521	2.00	186.8				2.50	233.5		
CNBS1091	1A South	Canyon	CYN-3-S15	2129	1.50	118.3				2.00	157.7		
CNBS43	1A South	Canyon	CYN-3-S16	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
CNBS1059	1A South	Canyon	CYN-3-S17	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
CNBS0096	1A South	Canyon	CYN-3-S18	294	6.00	65.4	294.2	65.4		6.50	70.8	70.8	
CNBS58	1A South	Canyon	CYN-3-S19	414	2.00	30.7	413.9	30.7		2.50	38.3	38.3	
CNBS1009	1A South	Canyon	CYN-3-S2	387	7.00	100.4	1422.6	186.5		7.50	107.6	212.8	
CNBS0102	1A South	Canyon	CYN-3-S2	649	1.20	28.9				1.70	40.9		
CNBS1010	1A South	Canyon	CYN-3-S2	386	4.00	57.2				4.50	64.3		
CNBS1011	1A South	Canyon	CYN-3-S3	2077	4.00	307.7	24282.4	4380.3		4.50	346.1	4,829.9	
CNBS1014	1A South	Canyon	CYN-3-S3	6602	7.00	1,711.8				7.50	1,834.0		
CNBS1100	1A South	Canyon	CYN-3-S3	5579	7.00	1,446.3				7.50	1,549.7		
CNBS1021	1A South	Canyon	CYN-3-S3	2395	5.00	443.6				5.50	487.9		
CNBS1019	1A South	Canyon	CYN-3-S3	1324	1.50	73.5				2.00	98.1		
CNBS0126	1A South	Canyon	CYN-3-S3	2542	2.00	188.3				2.50	235.3		
CNBS1088	1A South	Canyon	CYN-3-S3	3764	1.50	209.1				2.00	278.8		
CNBS1003	1A South	Canyon	CYN-3-S4	426	2.50	39.5	426.1	39.5		3.00	47.3	47.3	
CNBS34	1A South	Canyon	CYN-3-S5	4383	2.00	324.7	36392.0	2395.1	14,931.7	2.50	405.8	3,069.1	18,037.0
CNBS0094	1A South	Canyon	CYN-3-S5	1992	2.00	147.5				2.50	184.4		
CNBS1097	1A South	Canyon	CYN-3-S5	1553	1.50	86.3				2.00	115.0		
CNBS1027	1A South	Canyon	CYN-3-S5	3232	1.50	179.6				2.00	239.4		
CNBS1023	1A South	Canyon	CYN-3-S5	1400	1.50	77.8				2.00	103.7		
CNBS0101	1A South	Canyon	CYN-3-S5	935	2.00	69.3				2.50	86.6		
CNBS1068	1A South	Canyon	CYN-3-S5	2603	1.50	144.6				2.00	192.8		
CNBS1066	1A South	Canyon	CYN-3-S5	1438	1.50	79.9				2.00	106.5		
CNBS1064	1A South	Canyon	CYN-3-S5	2236	2.00	165.6				2.50	207.0		
CNBS35	1A South	Canyon	CYN-3-S5	3733	2.00	276.5				2.50	345.7		
CNBS66	1A South	Canyon	CYN-3-S5	1296	2.00	96.0				2.50	120.0		
CNBS1078	1A South	Canyon	CYN-3-S5	5665	1.50	314.7				2.00	419.6		
B-8-04	1A South	Canyon	CYN-3-S5	1985	1.50	110.3				2.00	147.0		
CNBS0081	1A South	Canyon	CYN-3-S5	1419	2.00	105.1				2.50	131.4		
CNBS45	1A South	Canyon	CYN-3-S5	411	4.00	60.9				4.50	68.5		

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CNBS43	1A South	Canyon	CYN-3-S5	2111	2.00	156.4				2.50	195.5		
CNBS0140	1A South	Canyon	CYN-3-S6	1864	3.25	224.4				3.75	258.9		
CNBS0145	1A South	Canyon	CYN-3-S6	1008	4.50	168.1				5.00	186.7		
CNBS0139	1A South	Canyon	CYN-3-S6	2852	2.50	264.1	9706.9	1251.3		3.00	316.9	1,431.1	
CNBS0150	1A South	Canyon	CYN-3-S6	712	7.50	197.8				8.00	210.9		
CNBS0149	1A South	Canyon	CYN-3-S6	1671	4.50	278.6				5.00	309.5		
CNBS0083	1A South	Canyon	CYN-3-S6	1599	2.00	118.4				2.50	148.0		
CNBS0147	1A South	Canyon	CYN-3-S7	863	5.50	175.8				6.00	191.8		
CNBS0088	1A South	Canyon	CYN-3-S7	833	2.00	61.7				2.50	77.1		
CNBS0086	1A South	Canyon	CYN-3-S7	3812	2.00	282.4				2.50	353.0		
CNBS72	1A South	Canyon	CYN-3-S7	3161	1.00	117.1				1.50	175.6		
CNBS0089	1A South	Canyon	CYN-3-S7	3028	2.00	224.3				2.50	280.4		
CNBS1037	1A South	Canyon	CYN-3-S7	2539	1.50	141.0				2.00	188.0		
CNBS37	1A South	Canyon	CYN-3-S7	3027	2.00	224.2				2.50	280.3		
CNBS0087	1A South	Canyon	CYN-3-S7	2713	1.50	150.7				2.00	201.0		
CNBS1098	1A South	Canyon	CYN-3-S7	3462	1.50	192.3				2.00	256.4		
CNBS0085	1A South	Canyon	CYN-3-S7	4890	2.00	362.2				2.50	452.7		
CNBS0121	1A South	Canyon	CYN-3-S7	3060	2.00	226.6				2.50	283.3		
CNBS1035	1A South	Canyon	CYN-3-S7	1336	1.50	74.2				2.00	99.0		
CNBS25	1A South	Canyon	CYN-3-S7	2984	2.50	276.3	63037.9	4508.2		3.00	331.6	5,675.6	
CNBS0155	1A South	Canyon	CYN-3-S7	1830	2.50	169.5				3.00	203.4		
CNBS0148	1A South	Canyon	CYN-3-S7	775	5.50	157.8				6.00	172.1		
CNBS1042	1A South	Canyon	CYN-3-S7	3875	1.75	251.2				2.25	322.9		
CNBS55	1A South	Canyon	CYN-3-S7	2062	2.00	152.7				2.50	190.9		
CNBS1047	1A South	Canyon	CYN-3-S7	1196	2.00	88.6				2.50	110.8		
CNBS1076	1A South	Canyon	CYN-3-S7	3472	1.50	192.9				2.00	257.2		
CNBS0159	1A South	Canyon	CYN-3-S7	2049	2.00	151.8				2.50	189.7		
CNBS1017	1A South	Canyon	CYN-3-S7	1630	1.50	90.5				2.00	120.7		
CNBS0090	1A South	Canyon	CYN-3-S7	3438	2.00	254.7				2.50	318.3		
CNBS1033	1A South	Canyon	CYN-3-S7	1732	2.00	128.3				2.50	160.4		
CNBS1071	1A South	Canyon	CYN-3-S7	1572	1.50	87.3				2.00	116.4		
CNBS1018	1A South	Canyon	CYN-3-S7	3700	2.00	274.0				2.50	342.5		
CNBS1036	1A South	Canyon	CYN-3-S8	401	4.50	66.9	401.2	66.9		5.00	74.3	74.3	
CNBS1020	1A South	Canyon	CYN-3-S9	1185	2.00	87.8				2.50	109.7		
CNBS0099	1A South	Canyon	CYN-3-S9	1177	2.00	87.2				2.50	109.0		
CNBS0091	1A South	Canyon	CYN-3-S9	2017	2.00	149.4				2.50	186.8		
CNBS1031	1A South	Canyon	CYN-3-S9	1252	2.00	92.7	8873.1	680.6		2.50	115.9	844.9	
CNBS73	1A South	Canyon	CYN-3-S9	1638	1.00	60.7				1.50	91.0		
CNBS0098	1A South	Canyon	CYN-3-S9	681	2.00	50.5				2.50	63.1		
CNBS0080	1A South	Canyon	CYN-3-S9	355	2.00	26.3				2.50	32.9		
CNBS26	1A South	Canyon	CYN-3-S9	567	6.00	126.0				6.50	136.5		
HZBS1047	1A South	HVS	HVS-3-S1	1812	1.50	100.7				2.00	134.2		
HZBS1006	1A South	HVS	HVS-3-S1	1697	1.50	94.3	4016.5	223.1		2.00	125.7	297.5	
HZBS1005	1A South	HVS	HVS-3-S1	508	1.50	28.2				2.00	37.6		
HVBS49	1A South	HVS	HVS-3-S10	771	1.50	42.9				2.00	57.1		

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HZBS1053	1A South	HVS	HVS-3-S10	1405	2.50	130.1	3099.0	343.8		3.00	156.1	401.2	
HVBS14	1A South	HVS	HVS-3-S10	923	5.00	170.9				5.50	187.9		
UABS1064	1A South	HVS	HVS-3-S11	1468	2.50	135.9	1467.6	135.9		3.00	163.1	163.1	
HVLC20S37	1A South	HVS	HVS-3-S12	4602	9.00	1,533.9				9.50	1,619.1		
HVLC11S67	1A South	HVS	HVS-3-S12	5697	4.00	844.0				4.50	949.5		
HVTC13S44	1A South	HVS	HVS-3-S12	795	1.50	44.1				2.00	58.9		
HVLC19S21	1A South	HVS	HVS-3-S12	4104	3.00	456.0				3.50	532.0		
HZBS1038	1A South	HVS	HVS-3-S12	836	1.50	46.5				2.00	62.0		
HVLK19	1A South	HVS	HVS-3-S12	719	1.04	27.7				1.54	41.0		
HVLK32	1A South	HVS	HVS-3-S12	823	1.04	31.7	23541.2	3580.8		1.54	46.9	4,016.8	
HVLC20S24	1A South	HVS	HVS-3-S12	817	1.50	45.4				2.00	60.5		
HVLC20S21	1A South	HVS	HVS-3-S12	385	3.00	42.8				3.50	49.9		
HVLK22	1A South	HVS	HVS-3-S12	1019	1.04	39.2				1.54	58.1		
HVLC13S83	1A South	HVS	HVS-3-S12	633	3.00	70.4				3.50	82.1		
HVTC13S39	1A South	HVS	HVS-3-S12	1650	3.00	183.3				3.50	213.9		
HVTC13S36	1A South	HVS	HVS-3-S12	801	1.50	44.5				2.00	59.4		
HVLC13S82	1A South	HVS	HVS-3-S12	661	7.00	171.4				7.50	183.7		
HZBS1013	1A South	HVS	HVS-3-S13	790	1.50	43.9	1370.3	97.6		2.00	58.5	123.0	
HZBS1014	1A South	HVS	HVS-3-S13	580	2.50	53.7				3.00	64.5		
HZET0731	1A South	HVS	HVS-3-S2	45	6.90	11.6			6,397.6	7.40	12.4		7,380.5
HZET0728	1A South	HVS	HVS-3-S2	113	7.10	29.7	401.0	117.1		7.60	31.8	124.5	
HZET0729	1A South	HVS	HVS-3-S2	123	6.70	30.5				7.20	32.8		
HZET0730	1A South	HVS	HVS-3-S2	120	10.20	45.3				10.70	47.5		
HVLK11	1A South	HVS	HVS-3-S3	313	1.04	12.1				1.54	17.9		
HVLK13	1A South	HVS	HVS-3-S3	420	1.04	16.2				1.54	23.9		
HVBS69	1A South	HVS	HVS-3-S3	467	1.50	26.0	2133.0	108.4		2.00	34.6	147.9	
HVBS51	1A South	HVS	HVS-3-S3	381	1.50	21.2				2.00	28.2		
HVLK12	1A South	HVS	HVS-3-S3	222	1.04	8.5				1.54	12.6		
HVTC16S05	1A South	HVS	HVS-3-S3	330	2.00	24.5				2.50	30.6		
HZBS0040	1A South	HVS	HVS-3-S4	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
HZBS0004	1A South	HVS	HVS-3-S5	1806	2.00	133.8	3934.1	370.2		2.50	167.3	443.1	
ILBS1322	1A South	HVS	HVS-3-S5	2128	3.00	236.4				3.50	275.8		
HZBS0161	1A South	HVS	HVS-3-S7	303	2.80	31.4				3.30	37.0		
HZBS1000	1A South	HVS	HVS-3-S7	454	1.50	25.2	1821.0	234.0		2.00	33.6	267.7	
HZBS1067	1A South	HVS	HVS-3-S7	1064	4.50	177.4				5.00	197.1		
HZBS1004	1A South	HVS	HVS-3-S8	2359	1.50	131.1				2.00	174.8		
HZBS0020S070	1A South	HVS	HVS-3-S8	1555	2.00	115.2				2.50	144.0		
HVBS72	1A South	HVS	HVS-3-S8	854	6.50	205.6				7.00	221.4		
HVLC20S62	1A South	HVS	HVS-3-S8	1715	6.00	381.1	10488.0	1134.7		6.50	412.9	1,328.9	
HVBS07	1A South	HVS	HVS-3-S8	856	4.00	126.8				4.50	142.6		
HZBS1224	1A South	HVS	HVS-3-S8	1325	1.50	73.6				2.00	98.1		
HZBS1031	1A South	HVS	HVS-3-S8	1651	1.50	91.7				2.00	122.3		
HVLX38	1A South	HVS	HVS-3-S8	173	1.50	9.6				2.00	12.8		
BGSS02	1A South	HVS	HVS-3-S9	401	2.00	29.7	401.1	29.7		2.50	37.1	37.1	
LFBS1149	1A South	LETF/CTL-I	LETF-3-S1	2379	1.50	132.2				2.00	176.3		

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LFBS0147	1A South	LETF/CTL-I	LETF-3-S1	1147	4.00	170.0				4.50	191.2		
LFBS0152	1A South	LETF/CTL-I	LETF-3-S1	1345	5.66	281.9				6.16	306.8		
LFBS1189	1A South	LETF/CTL-I	LETF-3-S1	3740	1.50	207.8	17007.6	1767.5		2.00	277.0	2,082.4	
LFBS1188	1A South	LETF/CTL-I	LETF-3-S1	3642	4.00	539.6				4.50	607.1		
LFBS1058	1A South	LETF/CTL-I	LETF-3-S1	1857	4.00	275.1				4.50	309.5		
LFBS1147	1A South	LETF/CTL-I	LETF-3-S1	2897	1.50	161.0				2.00	214.6		
LFBS0194	1A South	LETF/CTL-I	LETF-3-S10	322	6.50	77.5				7.00	83.4		
LFBS42	1A South	LETF/CTL-I	LETF-3-S10	248	1.50	13.8				2.00	18.4		
LFBS1068	1A South	LETF/CTL-I	LETF-3-S10	832	2.00	61.6				2.50	77.0		
LFBS0134	1A South	LETF/CTL-I	LETF-3-S10	317	2.00	23.5				2.50	29.4		
LFBS1066	1A South	LETF/CTL-I	LETF-3-S10	596	2.00	44.1				2.50	55.1		
LFBS1077	1A South	LETF/CTL-I	LETF-3-S10	204	2.00	15.1	4397.4	396.8		2.50	18.9	478.3	
LFBS1067	1A South	LETF/CTL-I	LETF-3-S10	584	2.00	43.2				2.50	54.0		
LFBS82	1A South	LETF/CTL-I	LETF-3-S10	248	2.00	18.4				2.50	23.0		
LFBS1226	1A South	LETF/CTL-I	LETF-3-S10	131	2.00	9.7				2.50	12.1		
LFBS81	1A South	LETF/CTL-I	LETF-3-S10	366	2.00	27.1				2.50	33.9		
LFBS0192	1A South	LETF/CTL-I	LETF-3-S10	312	2.00	23.1				2.50	28.9		
LFBS0229	1A South	LETF/CTL-I	LETF-3-S10	238	4.50	39.7				5.00	44.2		
LFBS52	1A South	LETF/CTL-I	LETF-3-S11	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
LFTS12	1A South	LETF/CTL-I	LETF-3-S12	522	8.00	154.6				8.50	164.3		
LFBS1018	1A South	LETF/CTL-I	LETF-3-S12	689	2.00	51.0	1702.0	242.0		2.50	63.8	273.6	
LFBS1001	1A South	LETF/CTL-I	LETF-3-S12	491	2.00	36.4				2.50	45.5		
LFBS1173	1A South	LETF/CTL-I	LETF-3-S13	2057	1.50	114.3				2.00	152.4		
LFBS1015	1A South	LETF/CTL-I	LETF-3-S13	2476	2.50	229.2	7250.4	813.5		3.00	275.1	947.8	
LFBS1003	1A South	LETF/CTL-I	LETF-3-S13	1267	2.00	93.8				2.50	117.3		
LFBS1005	1A South	LETF/CTL-I	LETF-3-S13	1451	7.00	376.2				7.50	403.1		
LFBS44	1A South	LETF/CTL-I	LETF-3-S14	275	1.50	15.3				2.00	20.4		
LFBS0172	1A South	LETF/CTL-I	LETF-3-S14	409	2.00	30.3				2.50	37.9		
LFBS1156	1A South	LETF/CTL-I	LETF-3-S14	329	1.50	18.3				2.00	24.4		
LFBS45	1A South	LETF/CTL-I	LETF-3-S14	277	1.50	15.4				2.00	20.5		
LFBS46	1A South	LETF/CTL-I	LETF-3-S14	328	2.00	24.3				2.50	30.4		
LFBS0215	1A South	LETF/CTL-I	LETF-3-S14	160	3.00	17.8	3146.6	228.7		3.50	20.8	287.0	
LFBS43	1A South	LETF/CTL-I	LETF-3-S14	245	2.00	18.2				2.50	22.7		
LFBS0174	1A South	LETF/CTL-I	LETF-3-S14	414	2.00	30.7				2.50	38.3		
LFBS0098S03	1A South	LETF/CTL-I	LETF-3-S14	243	2.00	18.0				2.50	22.5		
LFBS48	1A South	LETF/CTL-I	LETF-3-S14	302	2.00	22.4				2.50	28.0		
LFBS0216	1A South	LETF/CTL-I	LETF-3-S14	163	3.00	18.1				3.50	21.2		
LFBS24	1A South	LETF/CTL-I	LETF-3-S15	401	1.50	22.3	401.1	22.3		2.00	29.7	29.7	
LFBS79	1A South	LETF/CTL-I	LETF-3-S16	406	2.00	30.1				2.50	37.6		
LFBS0100	1A South	LETF/CTL-I	LETF-3-S16	623	1.50	34.6	1667.6	112.0		2.00	46.2	142.9	
LFBS1158	1A South	LETF/CTL-I	LETF-3-S16	638	2.00	47.3				2.50	59.1		
LFBS0103	1A South	LETF/CTL-I	LETF-3-S17	546	1.50	30.3	1104.2	154.4		2.00	40.4	174.8	
LFBS0162	1A South	LETF/CTL-I	LETF-3-S17	558	6.00	124.1				6.50	134.4		
LFBS04	1A South	LETF/CTL-I	LETF-3-S18	691	1.50	38.4	1405.3	91.3		2.00	51.2	117.3	
LFBS1029	1A South	LETF/CTL-I	LETF-3-S18	714	2.00	52.9				2.50	66.1		

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LFBS1185	1A South	LETF/CTL-I	LETF-3-S19	2301	1.50	127.8	5234.3	290.8		2.00	170.4	387.7	
LFBS1212	1A South	LETF/CTL-I	LETF-3-S19	2933	1.50	163.0				2.00	217.3		
LFBS1050	1A South	LETF/CTL-I	LETF-3-S2	470	2.50	43.5	3130.9	651.2		3.00	52.2	709.2	
LFBS0144	1A South	LETF/CTL-I	LETF-3-S2	1009	10.00	373.6				10.50	392.3		
LFBS59	1A South	LETF/CTL-I	LETF-3-S2	804	5.75	171.2				6.25	186.1		
LFBS58	1A South	LETF/CTL-I	LETF-3-S2	385	2.00	28.5				2.50	35.6		
LFBS1051	1A South	LETF/CTL-I	LETF-3-S2	463	2.00	34.3				2.50	42.9		
LFBS1042	1A South	LETF/CTL-I	LETF-3-S20	709	1.75	46.0	709.0	46.0		2.25	59.1	59.1	
LFBS1100	1A South	LETF/CTL-I	LETF-3-S21	401	6.00	89.1	401.2	89.1		6.50	96.6	96.6	
ENBS0094	1A South	LETF/CTL-I	LETF-3-S22	375	1.50	20.9	860.6	47.8		2.00	27.8	63.7	
ENBS0096	1A South	LETF/CTL-I	LETF-3-S22	230	1.50	12.8				2.00	17.0		
ENBS0084	1A South	LETF/CTL-I	LETF-3-S22	256	1.50	14.2				2.00	18.9		
LFBS1043	1A South	LETF/CTL-I	LETF-3-S23	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
LFBS0287	1A South	LETF/CTL-I	LETF-3-S24	1154	1.50	64.1				2.00	85.5		
LFET0200	1A South	LETF/CTL-I	LETF-3-S24	407	3.50	52.8				4.00	60.3		
LFBS0253	1A South	LETF/CTL-I	LETF-3-S24	942	1.10	38.4				1.60	55.8		
LFBS0266	1A South	LETF/CTL-I	LETF-3-S24	939	1.50	52.2				2.00	69.5		
LFBS0268	1A South	LETF/CTL-I	LETF-3-S24	626	1.50	34.8				2.00	46.4		
LFBS0277	1A South	LETF/CTL-I	LETF-3-S24	1723	2.40	153.1				2.90	185.0		
LFET0100	1A South	LETF/CTL-I	LETF-3-S24	1103	3.00	122.5				3.50	142.9		
LFET0107	1A South	LETF/CTL-I	LETF-3-S24	1424	3.50	184.6				4.00	211.0		
LFET0105	1A South	LETF/CTL-I	LETF-3-S24	548	2.40	48.7				2.90	58.9		
LFET0103	1A South	LETF/CTL-I	LETF-3-S24	890	2.90	95.6				3.40	112.1		
LFBS0340	1A South	LETF/CTL-I	LETF-3-S24	409	6.50	98.4	19078.4	1718.9		7.00	106.0	2,072.2	
LFET0118	1A South	LETF/CTL-I	LETF-3-S24	821	4.50	136.8				5.00	152.0		
LFBS0324	1A South	LETF/CTL-I	LETF-3-S24	627	1.50	34.8				2.00	46.4		
LFET0203	1A South	LETF/CTL-I	LETF-3-S24	1262	3.50	163.6				4.00	187.0		
LFBS0332	1A South	LETF/CTL-I	LETF-3-S24	705	1.50	39.2				2.00	52.3		
LFBS0335	1A South	LETF/CTL-I	LETF-3-S24	1117	1.50	62.1				2.00	82.8		
LFBS0327	1A South	LETF/CTL-I	LETF-3-S24	416	1.50	23.1				2.00	30.8		
LFET0201	1A South	LETF/CTL-I	LETF-3-S24	1854	1.50	103.0				2.00	137.3		
LFET0104	1A South	LETF/CTL-I	LETF-3-S24	716	2.70	71.6				3.20	84.8		
LFET0202	1A South	LETF/CTL-I	LETF-3-S24	655	2.70	65.5				3.20	77.7		
LFET0117	1A South	LETF/CTL-I	LETF-3-S24	739	2.70	73.9				3.20	87.6		
LFBS0211	1A South	LETF/CTL-I	LETF-3-S25	401	1.50	22.3	401.2	22.3		2.00	29.7	29.7	
LFBS0206	1A South	LETF/CTL-I	LETF-3-S26	678	6.00	150.8	678.4	150.8		6.50	163.3	163.3	
LFBS0212	1A South	LETF/CTL-I	LETF-3-S27	730	1.50	40.5	2167.3	303.4	13,871.5	2.00	54.0	343.6	16,386.3
LFBS1136	1A South	LETF/CTL-I	LETF-3-S27	742	3.00	82.4				3.50	96.1		
LFBS1137	1A South	LETF/CTL-I	LETF-3-S27	696	7.00	180.5				7.50	193.4		
ENBS0036	1A South	LETF/CTL-I	LETF-3-S28	100	1.25	4.6	245.3	17.1		1.75	6.5	21.6	
ENBS0133	1A South	LETF/CTL-I	LETF-3-S28	51	1.50	2.8				2.00	3.8		
LFBS1131	1A South	LETF/CTL-I	LETF-3-S28	94	2.75	9.6				3.25	11.3		
LFBS20	1A South	LETF/CTL-I	LETF-3-S29	917	1.50	50.9				2.00	67.9		
LFBS0171	1A South	LETF/CTL-I	LETF-3-S29	1168	11.00	475.8				11.50	497.4		
LFBS1026	1A South	LETF/CTL-I	LETF-3-S29	650	2.00	48.1				2.50	60.2		

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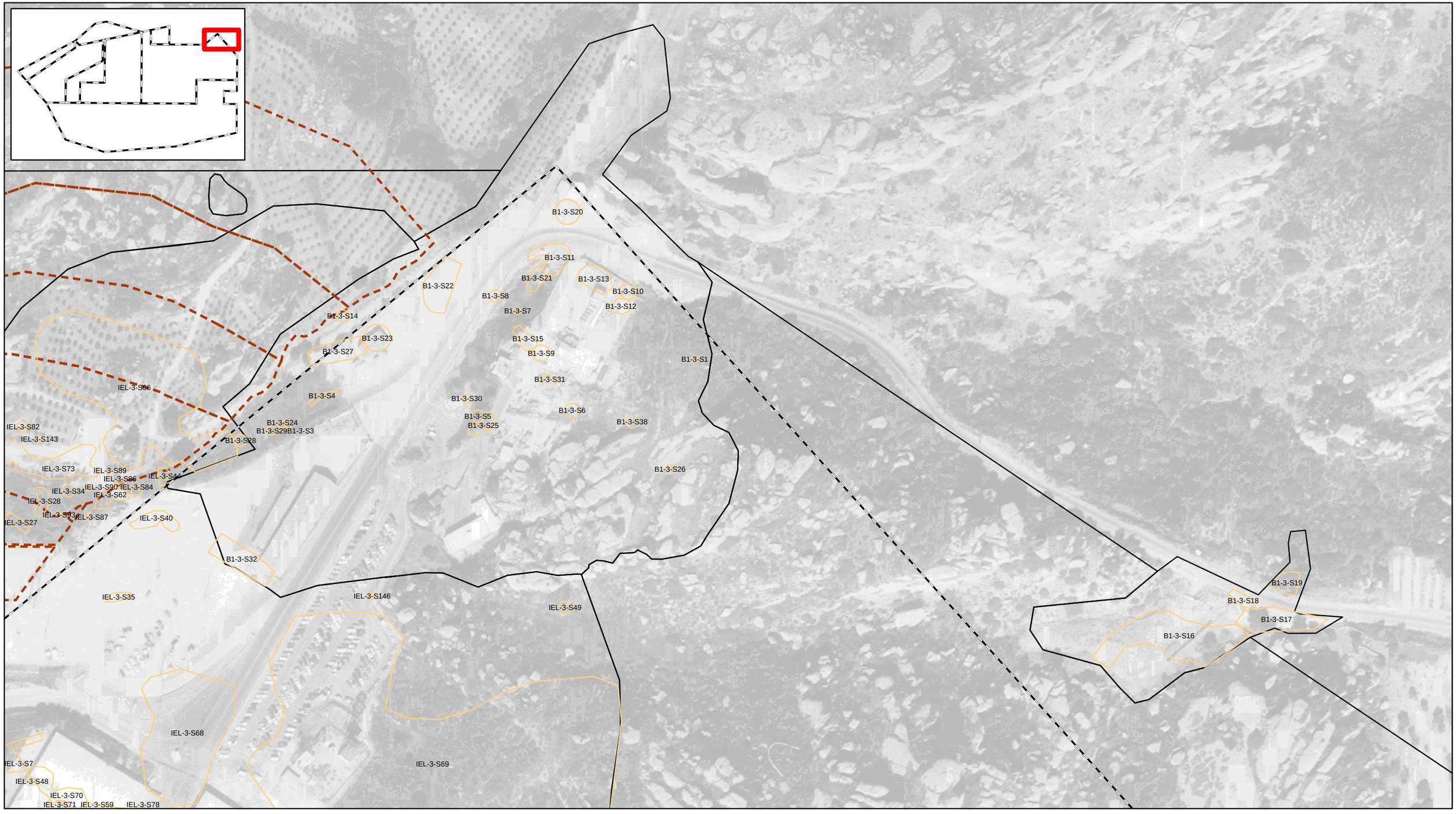
LFBS0195	1A South	LETF/CTL-I	LETF-3-S29	683	2.00	50.6				2.50	63.2		
LFR-3	1A South	LETF/CTL-I	LETF-3-S29	189	1.70	11.9				2.20	15.4		
B-12-02	1A South	LETF/CTL-I	LETF-3-S29	462	2.00	34.2	8413.5	1070.8		2.50	42.8	1,226.6	
LFBS0173	1A South	LETF/CTL-I	LETF-3-S29	1431	2.50	132.5				3.00	159.0		
LFBS0221	1A South	LETF/CTL-I	LETF-3-S29	844	2.50	78.2				3.00	93.8		
LFBS0220	1A South	LETF/CTL-I	LETF-3-S29	850	2.50	78.7				3.00	94.4		
LFSS02	1A South	LETF/CTL-I	LETF-3-S29	103	1.70	6.5				2.20	8.4		
LFBS1021	1A South	LETF/CTL-I	LETF-3-S29	1117	2.50	103.5				3.00	124.1		
LFBS1151	1A South	LETF/CTL-I	LETF-3-S3	217	14.00	112.3				14.50	116.3		
LFBS1191	1A South	LETF/CTL-I	LETF-3-S3	590	2.00	43.7	1963.0	295.9		2.50	54.6	332.3	
LFBS0191	1A South	LETF/CTL-I	LETF-3-S3	791	2.00	58.6				2.50	73.2		
LFBS1062	1A South	LETF/CTL-I	LETF-3-S3	366	6.00	81.3				6.50	88.1		
CNBS1110	1A South	LETF/CTL-I	LETF-3-S30	1516	1.50	84.2	1516.3	84.2		2.00	112.3	112.3	
LFBS1197	1A South	LETF/CTL-I	LETF-3-S31	1532	2.00	113.5				2.50	141.8		
LFBS1200	1A South	LETF/CTL-I	LETF-3-S31	1274	1.50	70.8				2.00	94.4		
LFBS0218	1A South	LETF/CTL-I	LETF-3-S31	1695	2.00	125.5	9268.2	763.5		2.50	156.9	935.1	
LFBS1111	1A South	LETF/CTL-I	LETF-3-S31	2053	2.00	152.1				2.50	190.1		
LFBS1099	1A South	LETF/CTL-I	LETF-3-S31	2715	3.00	301.6				3.50	351.9		
1545	1A South	LETF/CTL-I	LETF-3-S32	239	1.10	9.75	239.3	9.8		1.60	14.2	14.2	
LFBS1105S070	1A South	LETF/CTL-I	LETF-3-S33	294	1.50	16.4				2.00	21.8		
LFBS1103	1A South	LETF/CTL-I	LETF-3-S33	268	2.00	19.9				2.50	24.9		
LFBS0154S003	1A South	LETF/CTL-I	LETF-3-S33	318	2.00	23.6				2.50	29.4		
LFBS0154S001	1A South	LETF/CTL-I	LETF-3-S33	492	2.00	36.5	2207.0	153.7		2.50	45.6	194.5	
LFBS1105S003	1A South	LETF/CTL-I	LETF-3-S33	194	1.50	10.8				2.00	14.4		
LFBS1105S001	1A South	LETF/CTL-I	LETF-3-S33	42	1.50	2.4				2.00	3.1		
LFBS0155S003	1A South	LETF/CTL-I	LETF-3-S33	267	2.00	19.8				2.50	24.7		
LFBS0154S002	1A South	LETF/CTL-I	LETF-3-S33	330	2.00	24.5				2.50	30.6		
LFBS1123	1A South	LETF/CTL-I	LETF-3-S37	330	1.50	18.3				2.00	24.4		
ENBS0146	1A South	LETF/CTL-I	LETF-3-S37	231	1.50	12.8	902.8	50.2		2.00	17.1	66.9	
ENBS0144	1A South	LETF/CTL-I	LETF-3-S37	228	1.50	12.6				2.00	16.9		
ENBS0143	1A South	LETF/CTL-I	LETF-3-S37	115	1.50	6.4				2.00	8.5		
1567	1A South	LETF/CTL-I	LETF-3-S34	364	1.00	13.48	364.0	13.5		1.50	20.2	20.2	
LFBS0296	1A South	LETF/CTL-I	LETF-3-S35	401	1.10	16.3	401.2	16.3		1.60	23.8	23.8	
LFBS0307	1A South	LETF/CTL-I	LETF-3-S36	318	1.50	17.7	706.7	39.3		2.00	23.6	52.4	
LFBS0305	1A South	LETF/CTL-I	LETF-3-S36	388	1.50	21.6				2.00	28.8		
LFBS1153	1A South	LETF/CTL-I	LETF-3-S4	557	2.00	41.2				2.50	51.5		
LFBS1078	1A South	LETF/CTL-I	LETF-3-S4	474	4.00	70.2				4.50	79.0		
LFBS1075	1A South	LETF/CTL-I	LETF-3-S4	529	2.00	39.2				2.50	49.0		
LFBS1074	1A South	LETF/CTL-I	LETF-3-S4	922	2.00	68.3	5144.3	562.2		2.50	85.4	657.5	
LFBS0130	1A South	LETF/CTL-I	LETF-3-S4	1298	2.00	96.2				2.50	120.2		
LFBS1049	1A South	LETF/CTL-I	LETF-3-S4	860	6.00	191.0				6.50	206.9		
LFBS1045	1A South	LETF/CTL-I	LETF-3-S4	505	3.00	56.1				3.50	65.5		
LFBS88	1A South	LETF/CTL-I	LETF-3-S5	1093	2.00	81.0				2.50	101.2		
LFBS89	1A South	LETF/CTL-I	LETF-3-S5	1131	2.00	83.8	2944.6	204.8		2.50	104.7	259.3	
LFBS1148	1A South	LETF/CTL-I	LETF-3-S5	720	1.50	40.0				2.00	53.3		

Appendix C
Supporting Documentation for Scenario 3 Polygons

Boring ID (Object_Nam)	Subarea	RFI Site	Excavation Area (Identifier)	Veroni Polygon Shape Area (sq ft)	Depth (+1) (ft bgs)	Volume (+1) (cy)	GIS Calculated Area by Polygon (sq ft)	GIS Calculated Volume by Polygon for +1 (cy)	GIS Calculated Volume by Site for +1 (cy)	Depth (+1.5) (ft bgs)	Volume (+1.5) (cy)	GIS Calculated Volume by Polygon for +1.5 (cy)	GIS Calculated Volume by Site for +1.5 (cy)
LFST1000	1A South	LETF/CTL-I	LETF-3-S6	401	2.00	29.7	401.2	29.7		2.50	37.1	37.1	
LFBS1020	1A South	LETF/CTL-I	LETF-3-S7	2808	3.00	312.0				3.50	364.0		
LFBS1019	1A South	LETF/CTL-I	LETF-3-S7	2292	1.50	127.3				2.00	169.8		
LFBS1031	1A South	LETF/CTL-I	LETF-3-S7	2139	1.50	118.8				2.00	158.4		
LFBS1182	1A South	LETF/CTL-I	LETF-3-S7	2484	1.50	138.0	15858.7	1542.8		2.00	184.0	1,836.5	
CNBS44	1A South	LETF/CTL-I	LETF-3-S7	1889	2.00	139.9				2.50	174.9		
LFBS1179	1A South	LETF/CTL-I	LETF-3-S7	1935	1.50	107.5				2.00	143.4		
LFBS1181	1A South	LETF/CTL-I	LETF-3-S7	2311	7.00	599.2				7.50	642.0		
LFBS1098	1A South	LETF/CTL-I	LETF-3-S8	527	2.00	39.1				2.50	48.8		
LFBS62	1A South	LETF/CTL-I	LETF-3-S8	1220	2.00	90.4				2.50	113.0		
LFBS1160	1A South	LETF/CTL-I	LETF-3-S8	1086	6.00	241.2				6.50	261.3		
LFTS19S02	1A South	LETF/CTL-I	LETF-3-S8	503	10.00	186.2				10.50	195.5		
LFBS0124	1A South	LETF/CTL-I	LETF-3-S8	688	2.50	63.7				3.00	76.4		
LFBS1097	1A South	LETF/CTL-I	LETF-3-S8	741	6.00	164.7				6.50	178.4		
LFBS0136	1A South	LETF/CTL-I	LETF-3-S8	823	2.00	60.9				2.50	76.2		
LFBS1085	1A South	LETF/CTL-I	LETF-3-S8	442	2.00	32.8				2.50	41.0		
LFBS1084	1A South	LETF/CTL-I	LETF-3-S8	756	2.00	56.0				2.50	70.0		
LFBS0127	1A South	LETF/CTL-I	LETF-3-S8	710	6.00	157.7				6.50	170.8		
LFBS0231	1A South	LETF/CTL-I	LETF-3-S8	548	5.50	111.6	13277.4	1757.6		6.00	121.8	2,003.4	
LFTS20S02	1A South	LETF/CTL-I	LETF-3-S8	351	10.00	130.0				10.50	136.5		
LFTS20S01	1A South	LETF/CTL-I	LETF-3-S8	577	5.00	106.8				5.50	117.5		
LFTS19S01	1A South	LETF/CTL-I	LETF-3-S8	380	5.00	70.4				5.50	77.4		
LFBS0125	1A South	LETF/CTL-I	LETF-3-S8	505	2.00	37.4				2.50	46.8		
LFBS39	1A South	LETF/CTL-I	LETF-3-S8	369	2.00	27.4				2.50	34.2		
LFBS0129	1A South	LETF/CTL-I	LETF-3-S8	119	6.50	28.5				7.00	30.7		
LFBS38	1A South	LETF/CTL-I	LETF-3-S8	359	2.00	26.6				2.50	33.2		
LFBS36	1A South	LETF/CTL-I	LETF-3-S8	489	1.50	27.2				2.00	36.2		
LFBS31	1A South	LETF/CTL-I	LETF-3-S8	795	1.50	44.1				2.00	58.9		
LFBS37	1A South	LETF/CTL-I	LETF-3-S8	385	1.50	21.4				2.00	28.5		
LFBS54	1A South	LETF/CTL-I	LETF-3-S8	906	1.00	33.6				1.50	50.4		
LFBS1196	1A South	LETF/CTL-I	LETF-3-S9	401	4.50	66.9	401.2	66.9		5.00	74.3	74.3	
U0FS2118	Subarea 10	SBZ	SBZ-3-S23	452	1.50	25.1	452.4	25.1	75.6	2.00	33.5	33.5	100.8
BGSS07	Subarea 10	SBZ	SBZ-3-S98	908	1.50	50.5	908.5	50.5		2.00	67.3	67.3	
				acres		**cy**	**acres**	**cy**	**cy**		**cy**	**cy**	**cy**
			Totals for Areas I, III, and SBZ	**60.9**		**375,443**	**60.9**	**375,443**	**375,443**		**424,601**	**424,601**	**424,601**
			Total for the Former Shooting Range				**8.5**		**14,000**				**14,000**
			Total for Areas I, III, SBZ, & Former Shooting Range				**69.4**		**389,443**				**438,601**

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 1A North (East Side)



Legend

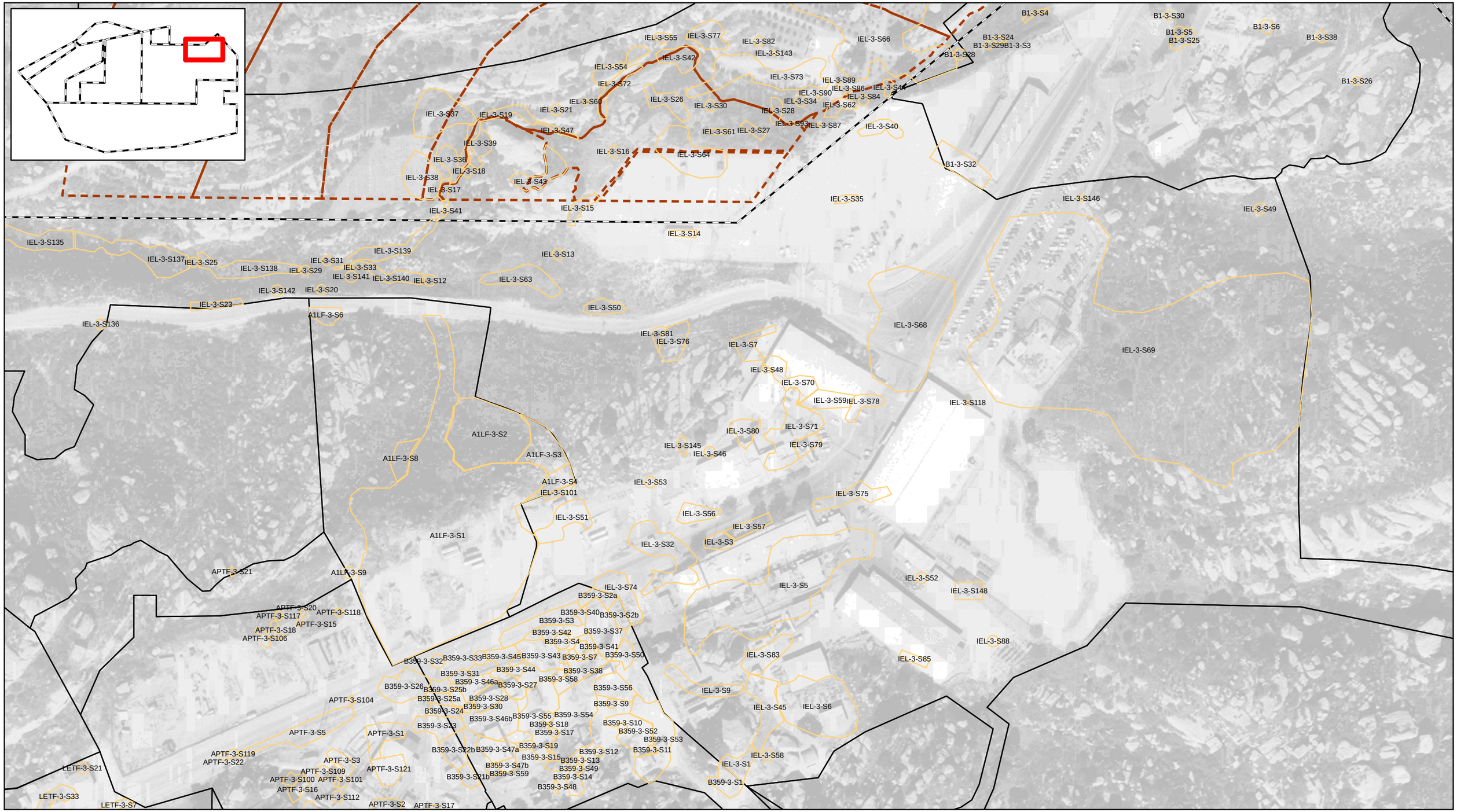
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas

N W E S

0 80 160 320 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 1A North (Central Portion)



Legend

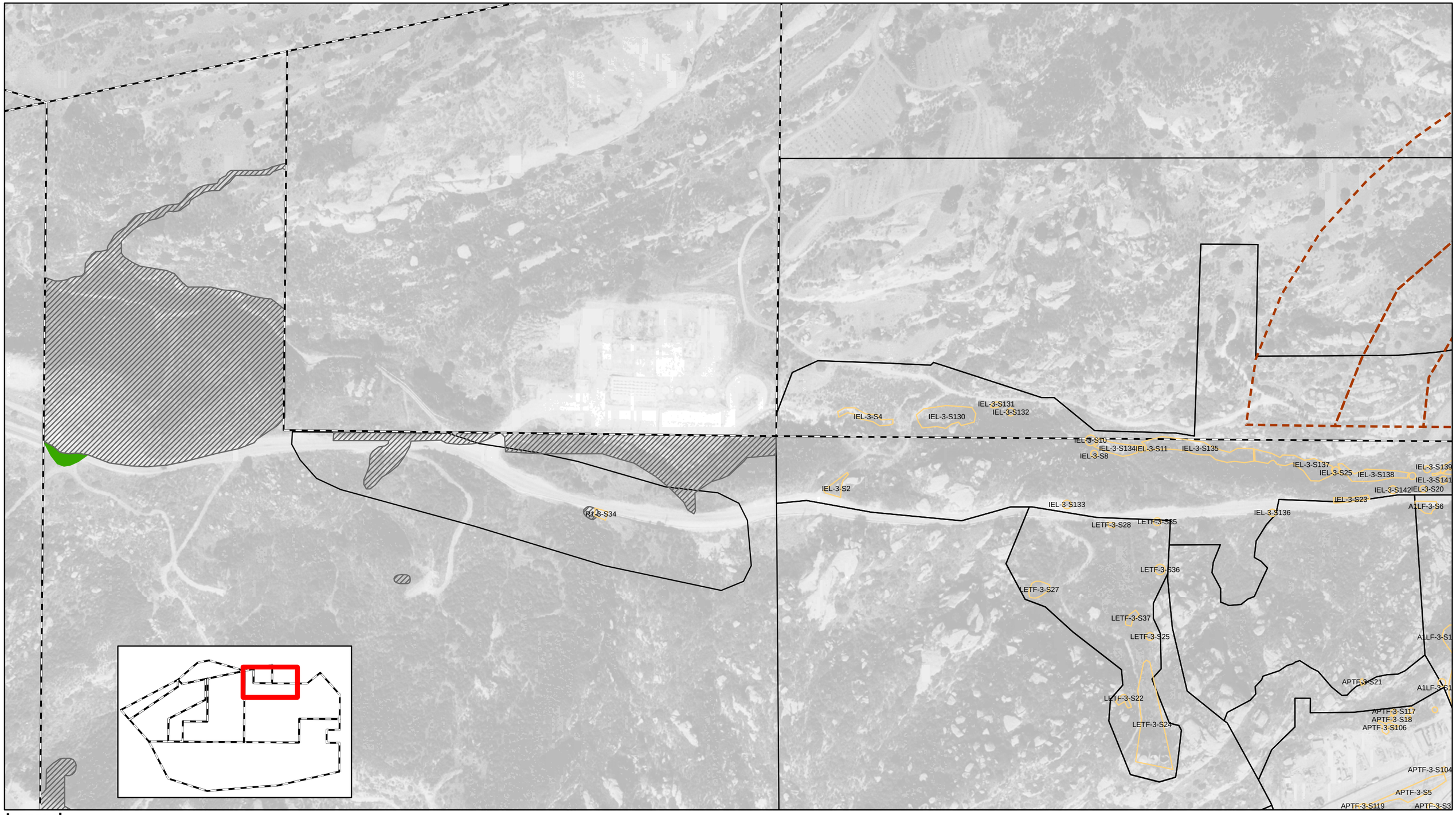
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas

N W E S

0 85 170 340 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 1A North (West Side)



Legend

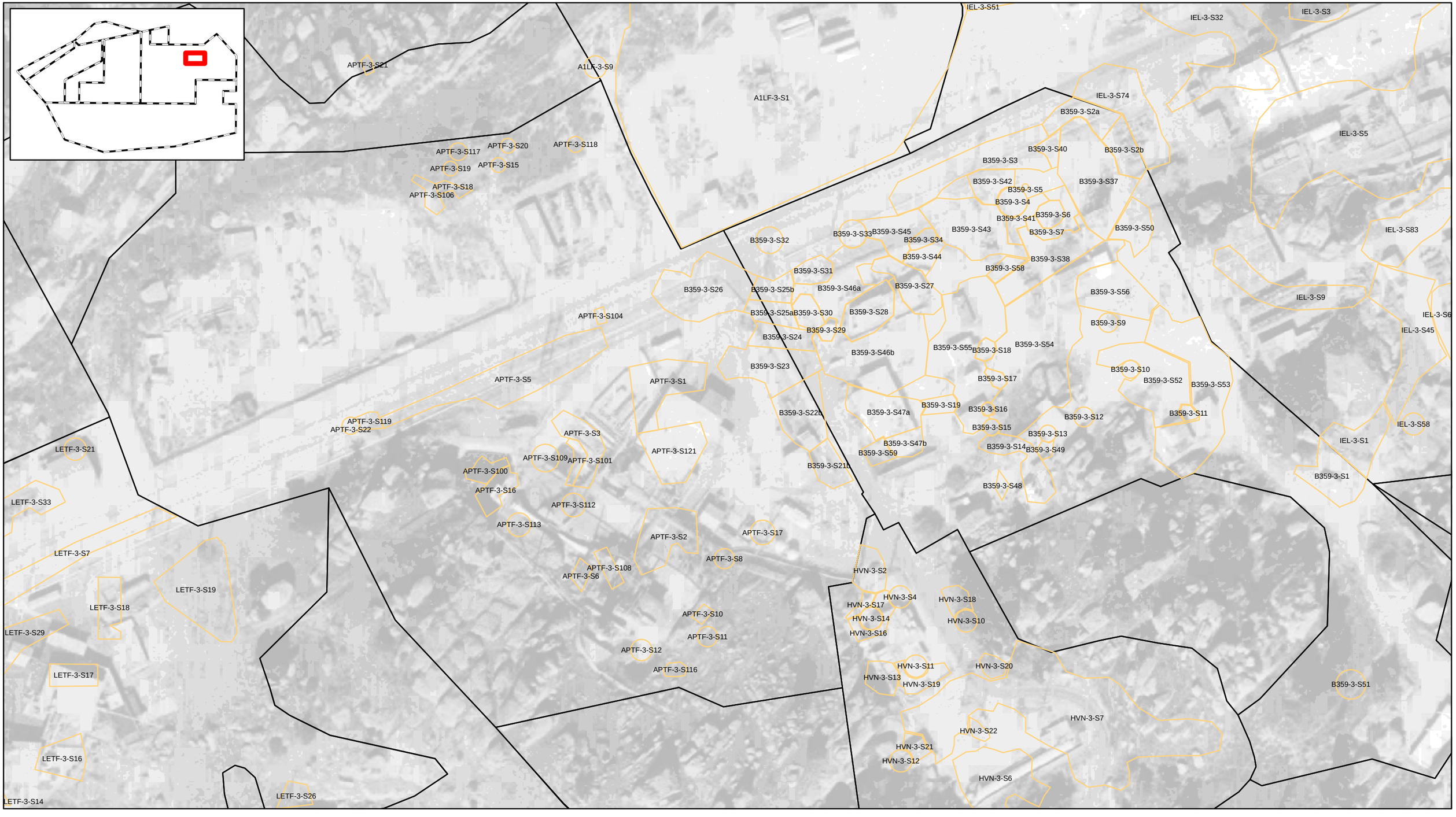
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Incremental Sampling Methodology (ISM) Study Area (2016)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 1A Central (Interior)



Legend

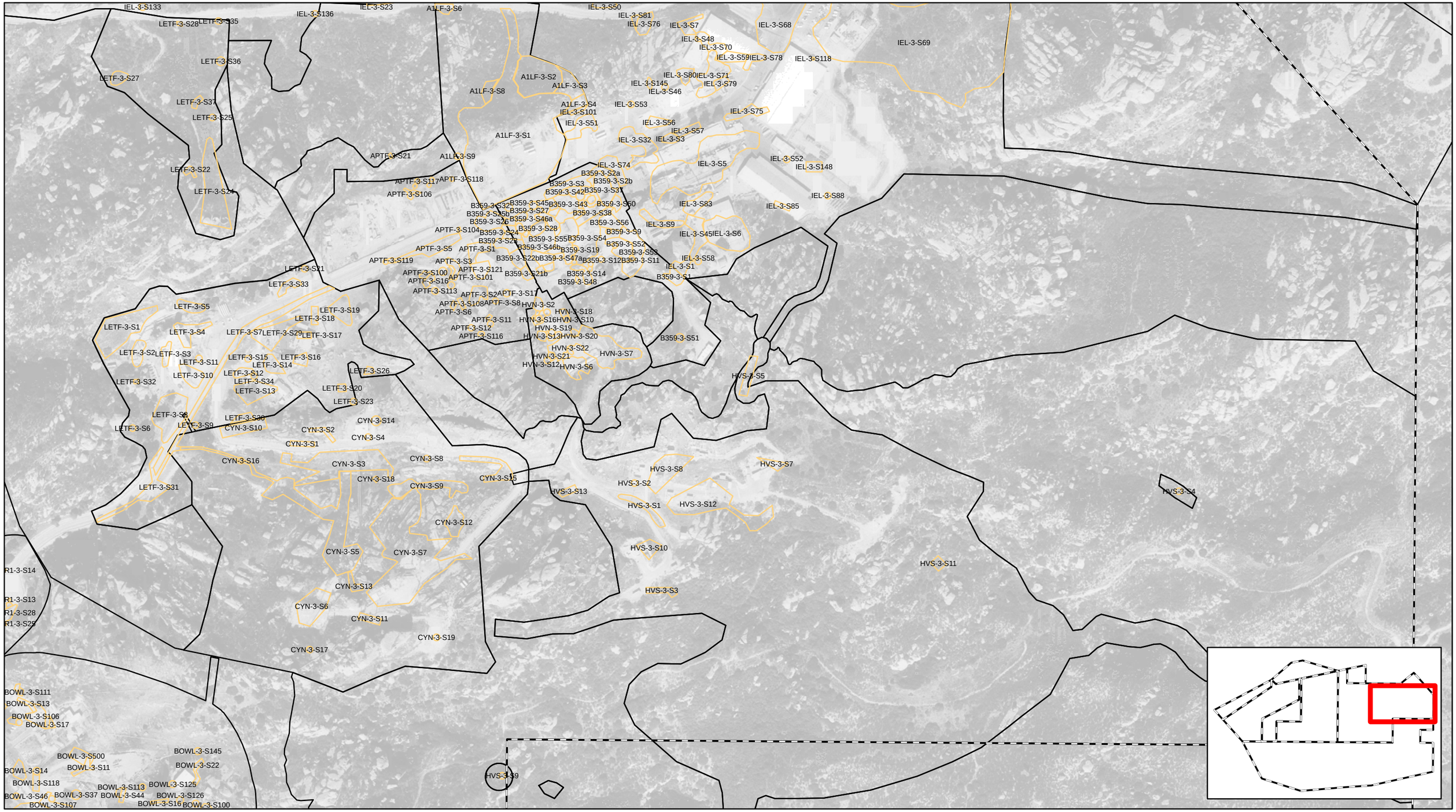
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Administrative Boundary
- RFI Site Reporting Areas

N
W E
S

0 50 100 200 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 1A South



Legend

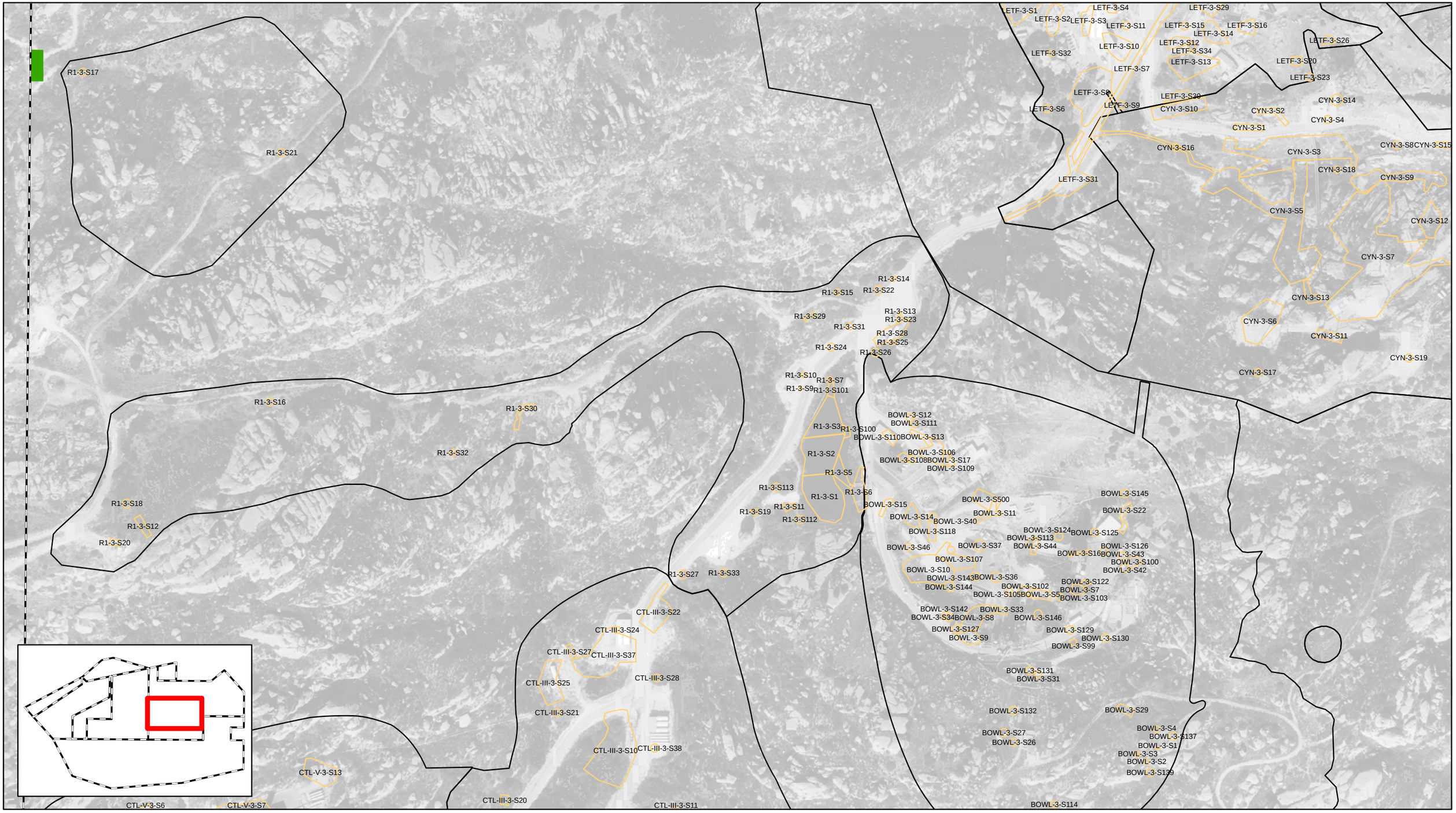
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Administrative Boundary
- RFI Site Reporting

N
W E
S

0 150 300 600 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 1B North



Legend

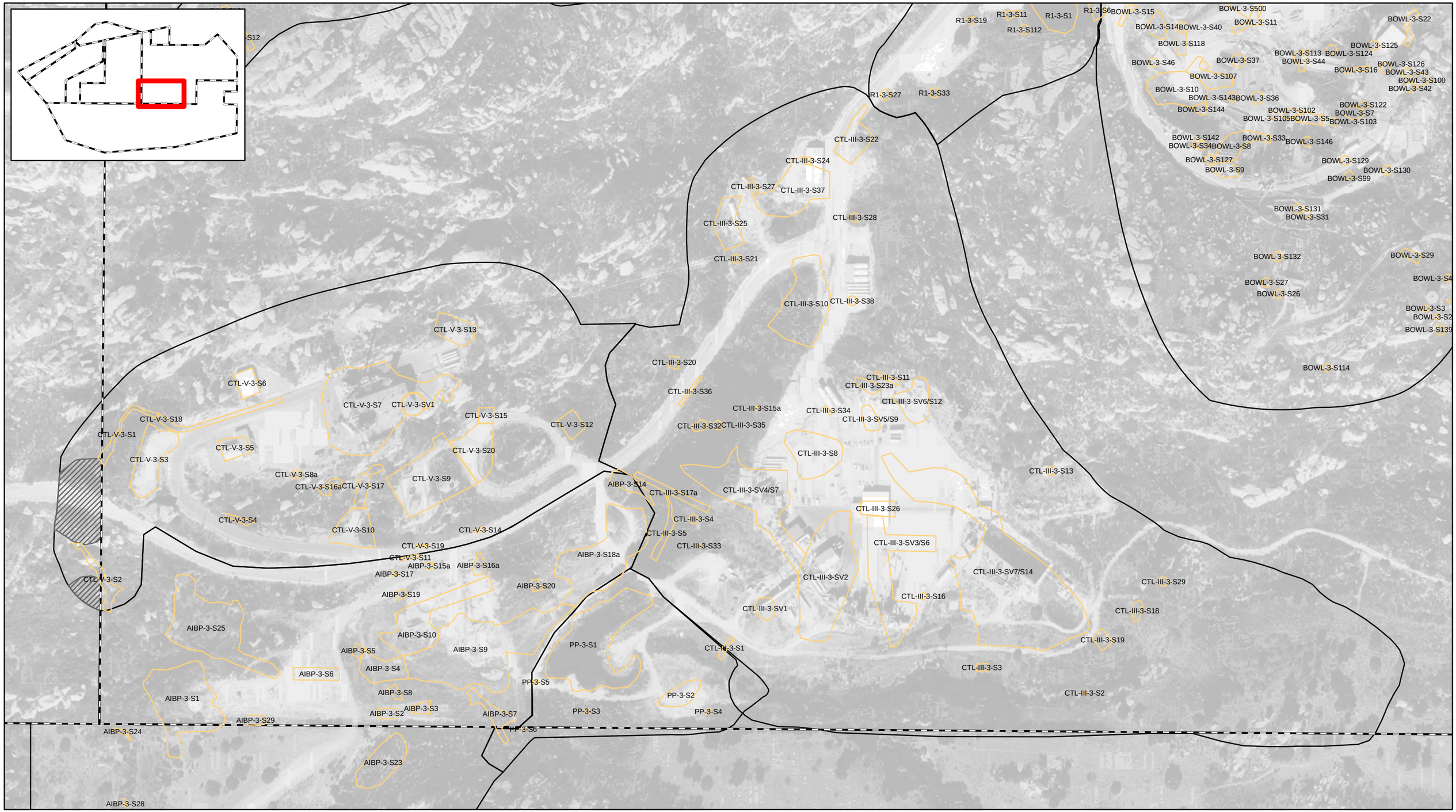
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Administrative Boundary
- RFI Site Reporting Areas
- Area Associated with NASA Responsibility

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subareas 1B Southeast and Southwest



Legend

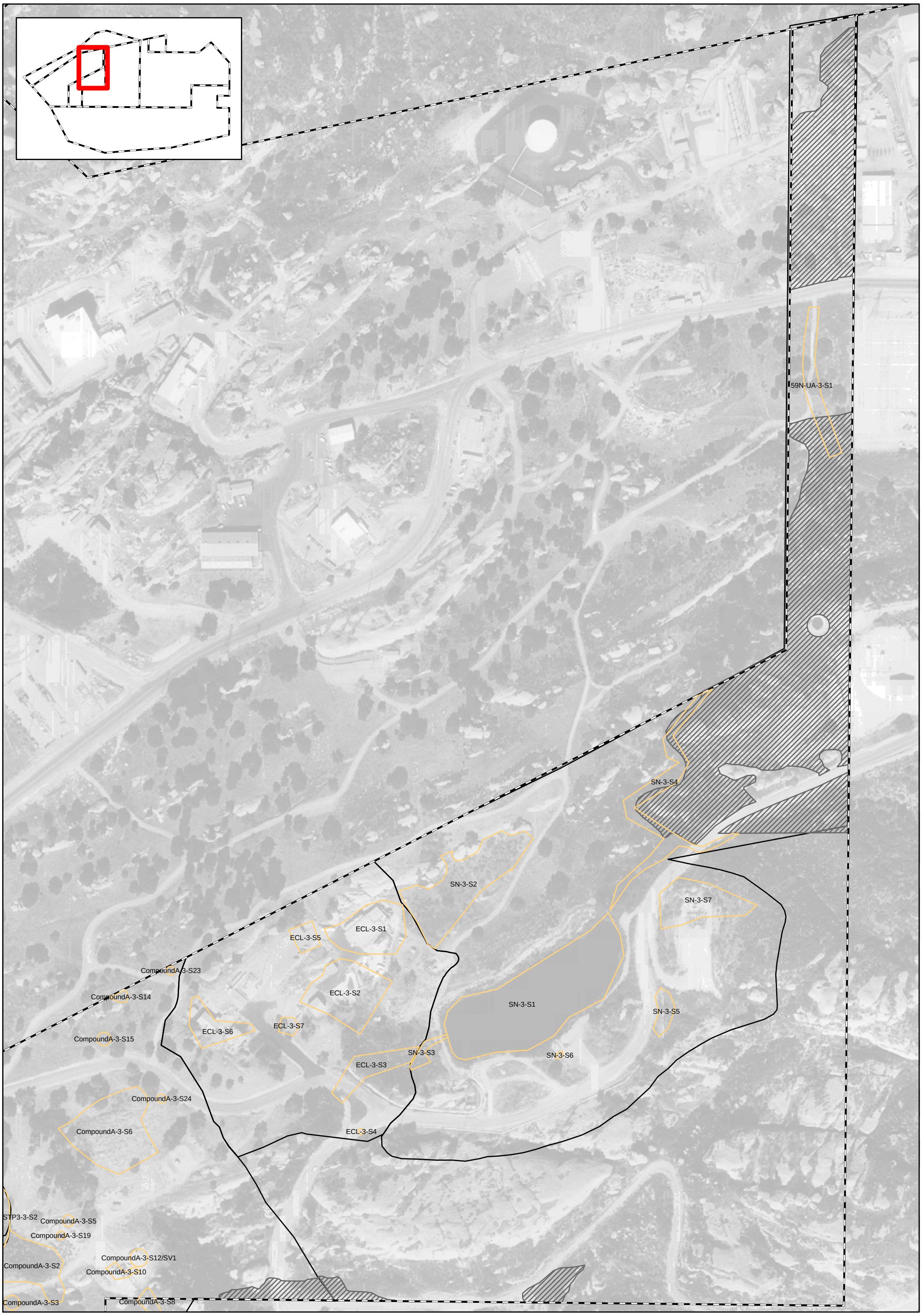
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N
W E
S

0 125 250 500 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 5/9 North



Legend

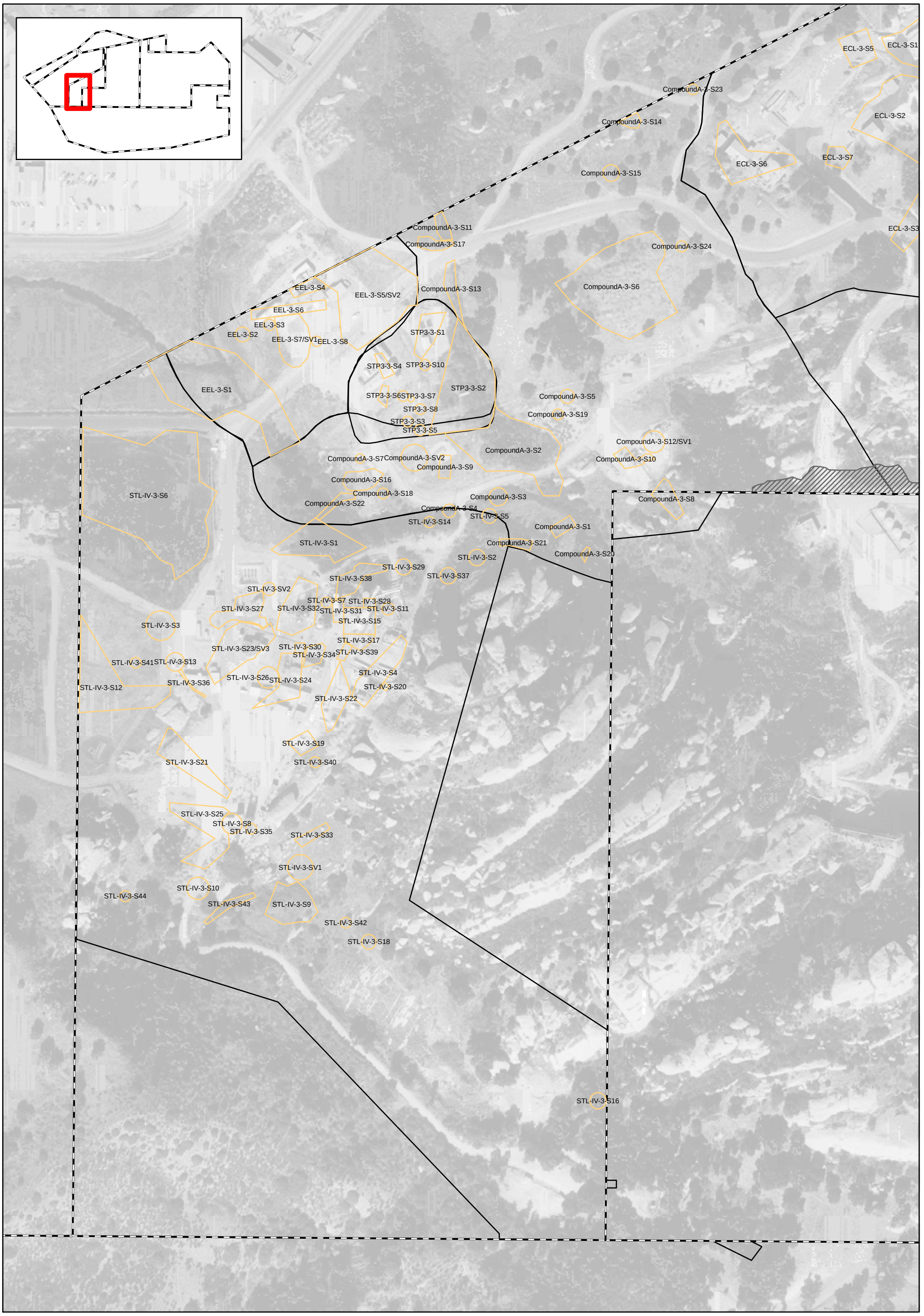
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N W E S

0 70 140 280 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 5/9 South



Legend

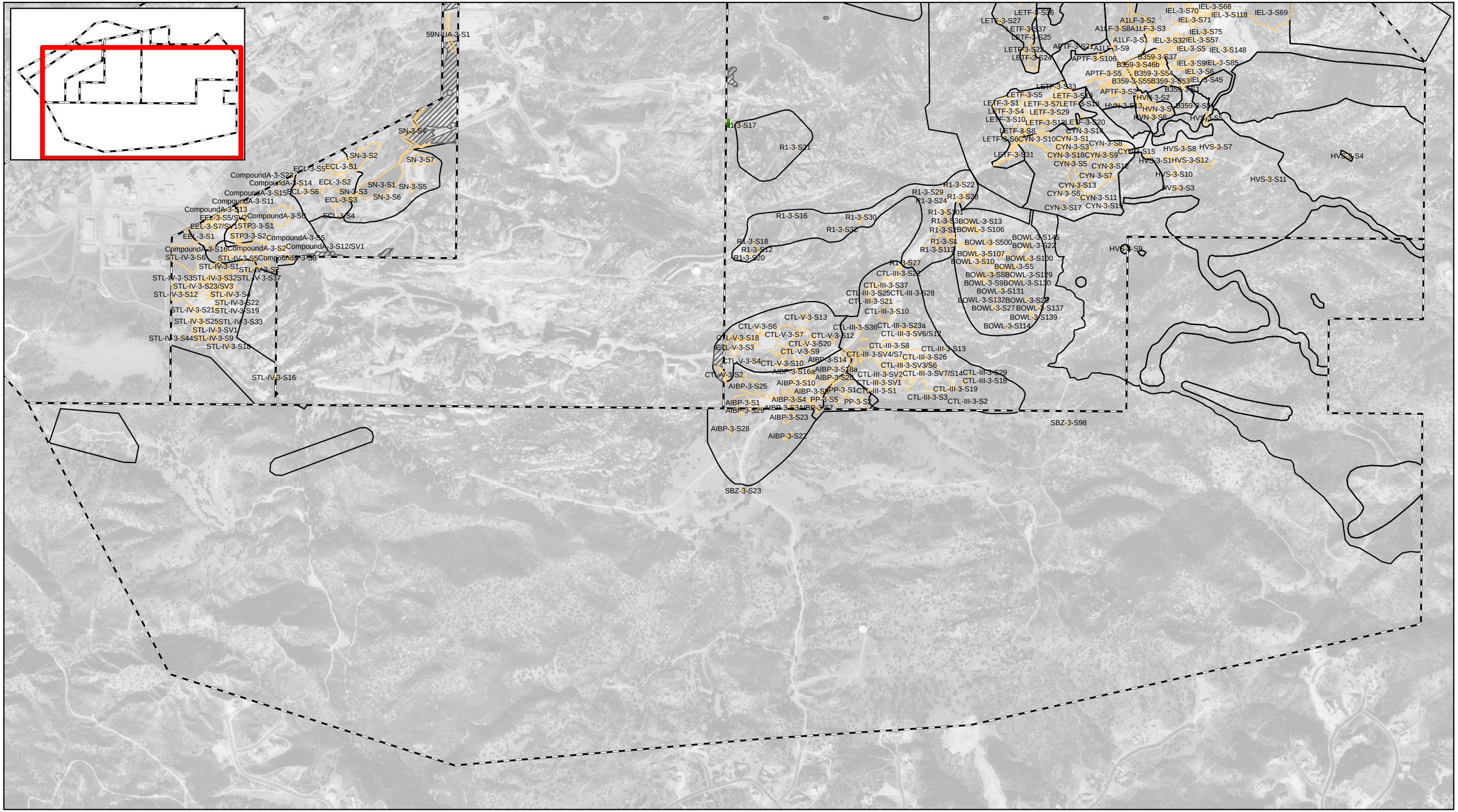
- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas

N W E S

0 55 110 220 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Estimated Excavation Areas for Boeing Sites for Scenario 3: Boeing Subarea 10 (Southern Buffer Zone)



Legend

- Estimated Excavation Areas for Boeing Sites (Scenario 3)
- Administrative Boundary
- RFI Site Reporting Areas
- NASA Remediation Areas/Extended Remediation Areas
- Area Associated with NASA Responsibility

N W E S

0 462.5 925 1,850 Feet

Draft Excavation & Offsite Disposal Volume Estimate for Boeing Areas I, III, and the Southern Buffer Zone
May 2017

Appendix C

Supporting Documentation for Scenario 3

Exceptions

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - A1LF									
A1BS1000	Lead		0-0.5	3.5-4	61	39	1.56	42.15	Isolated and less than 2x screening level.
	Aroclor 1254		0-0.5	3.5-4	0.0226	0.017	1.33		
A1BS1011	Arsenic	0-0.5	4.5-5		25	24.2	1.03	39.70	Isolated and less than 2x screening level. Less than 95 USL.
A1BS1001	Cadmium		0-0.5	3.3-3.8	0.58	0.44	1.33	0.579	Isolated and less than 2x screening level.
	Aroclor 1260		0-0.5	3.3-3.8	0.0227	0.02	1.34		
A1BS1002	Aroclor 1254		0-0.5		0.0241	0.017	1.42		Isolated and less than 2x screening level.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - B-1									
EPNDBS07	Lead		0-0.1		59	39	1.51	42.15	Less than 2x screening level.
B1BS1096	Arsenic	0.5-1	5.5-6		27	24.2	1.12	39.7	Less than 2x screening level and less than USL.
	Benzo(a)pyrene		1-1.5		0.00238	0.002	1.19	NA	Less than 2x screening level.
	Benzo(a)pyrene		5.5-6		0.00282	0.002	1.41	NA	Less than 2x screening level.
B1BS1065	Barium	0-0.5	8.8-9.8		210	203.8	1.03	318.75	Less than 2x screening level and less than USL.
	Benzo(a)pyrene		1-1.5	8.8-9.8	0.00291	0.002	1.46		Less than 2x screening level.
B1BS0063	Barium	0.5-1	9.5-10	4.5-5	230	203.8	1.13	318.75	Less than 2x screening level and less than USL.
B1BS1045	Selenium		0-0.5		2.3	1.5	1.53	0.896	Less than 2x screening level.
B1BS1133	Selenium		0-0.5		1.7	1.5	1.13	0.896	Less than 2x screening level.
B1BS1063	Hexavalent Chromium	1-1.5	9.5-10	5.5-6	1.63	1.13	1.44	NA	Isolated deep. Less than 2x screening level .
	Aroclor1254		5.5-6		0.0461	0.017	2.71	NA	
B1ET0642	Cadmium		4.5-5	1.5-2	0.93	0.435	2.14	0.579	Less than 2x screening level.
B1BS1078	Arsenic		0.5-1.0	5.5-6	30	24.2	1.24	39.7	Less than 2x screening level and less than USL.
SB_B351-14	Benzene		17-17.5	12-12.5	0.26	0.133	1.95	NA	Original units mg/kg; actually ug/kg? Deep benzene needs boring location verfication.
B1-14	Benzene		17-17.5	12-12.5	0.26	0.133	1.95	NA	Note: B1-14 data likely duplicate of SB_B351-14. Verify correct boring name.
SB_B351-16	Benzene	7-7.5	12-12.5		0.14	0.133	1.05	NA	Original units mg/kg; actually ug/kg? Deep benzene needs boring location verfication.
B1-16	Benzene	7-7.5	12-12.5		0.14	0.133	1.05	NA	Note: B1-16 data likely duplicate of SB_B351-16. Verify correct boring name and location.
ENBS0044	Arsenic		0.5-1		33.4	24.2	1.38	39.7	Less than 2x screening level and less than USL.
B1BS1099	Lead		0-0.5		40	39	1.03	42.15	Less than 2x screening level and less than USL.
	Benzo(a)pyrene		21-22		0.00202	0.002	1.01	NA	Deep and isolated. Lesss than2x screening level.
B1BS1098	Arsenic		9.5-10		29	24.2	1.20	39.7	Less than 2x screening level and less than USL.
ENBS0043	Arsenic		0.5-1		25	24.2	1.03	39.7	Less than 2x screening level and less than USL.
EPTWBS14S070	Dioxin TEQ		0.0-0.1		6.81E-06	0.000005	1.36	NA	Less than 2x screening level.
B1BS1121	Cadmium		0-0.5		0.83	0.435	1.91	0.579	Less than 2x screening level.
	Benzo(a)pyrene		0-0.5		0.0034	0.002	1.70	NA	
B1BS1016	Molybdnum		0-0.5		2.9	1.642	1.77	2.744	Less than 2x screening level.
B1BS0053	Cadmium		0.5-1		0.59	0.435	1.36	0.579	Less than 2x screening level and less than USL.
B1BS0086	Cadmium		0-0.5		0.447	0.435	1.03	0.579	Less than 2x screening level and less than USL.
B1BS1079	Benzo(a)pyrene	1-1.5	5.5-6		0.00598	0.002	2.99	NA	Isolated, low conc, moderately deep, surface NE.
B1BS0084	Cadmium		0-0.5		0.496	0.435	1.14	0.579	Less than 2x screening level and less than USL.
B1ET0569	Cadmium		1-1.5		0.457	0.435	1.05	0.579	Less than 2x screening level and less than USL.
B1ET0693	Cadmium		4-4.5		0.487	0.435	1.12	0.579	Less than 2x screening level and less than USL.
B1ET0601	Cadmium		1-1.5		0.505	0.435	1.16	0.579	Less than 2x screening level and less than USL.
B1BS0103	Cadmium		4.0-5.0		1.07	0.435	2.46	0.579	Deep and isolated.
	lead		4.0-5.0		39.6	39	1.02	42.15	Less than 2x screening level and less than USL.
B1ET0642	Cadmium		1.5-2	4.5-5	0.93	0.435	2.14	0.579	Isolated.
B1ET0680	Copper		0.5-1		58.7	42	1.40	102	Less than 2x screening level and less than USL.
	Mercury		0.5-1		0.0932	0.0895	1.04	0.0411	Less than 2x screening level.
B1ET0671	Diox TEQ		1-1.5		9.18E-06	0.000005	1.84	NA	Multiple nearby NE samples at 4-5 ft but no shallow samples.
	Lead		1-1.5		42	39	1.08	42.15	Less than 2x screening level and less than USL.
B1BS0183	Cadmium		0-0.5		0.457	0.435	1.05	0.579	Less than 2x screening level and less than USL.
B1BS0057	1-Methyl naphthalene	4.5-5	9.5-10	14-15	2.2	0.6	3.67	NA	Deep, isolated.
B1ET0687	Mercury		1.5-2		0.0904	0.0895	1.01	0.0411	Isolated. Less than 2x screening level.
B1ET0654	Mercury		5-5.5		0.0902	0.0895	1.01	0.0411	Isolated. Less than 2x screening level.
B1BS1126	Mercury		2-2.5		0.13	0.0895	1.45	0.0411	Isolated. Less than 2x screening level.
SB_B351-13	Benzene		2-2.5		0.0064	0.005	1.28	NA	Isolated, less than 2x screening level
SB_B351-11	Benzene		2-2.5		0.01	0.005	2.00	NA	Boring SB_B351-11 is duplicate of B1-11. Need to verify correct boring name and location.
	Benzene		12-12.5		0.0091	0.005	1.82	NA	
B1-11	Benzene		2-2.5		0.01	0.005	2.00	NA	Boring SB_B351-11 is duplicate of B1-11. Need to verify correct boring name and location.
	Benzene		12-12.5		0.0091	0.005	1.82	NA	

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B1BS1027	Dibenzo(a,h)anthracene		2-2.5		0.0051	0.0048	1.06	NA	Isolated, less than 2x screening level
B1BS0230	Dibenzo(a,h)anthracene		2.5-3		0.00788	0.0048	1.64	NA	Isolated, less than 2x screening level
B1BS1141A	Benzo(a)pyrene		0-0.5		0.00245	0.002	1.23	NA	Isolated, less than 2x screening level
B1BS1017	Benzo(a)pyrene		1-1.5		0.00261	0.002	1.31	NA	Isolated, less than 2x screening level
B1BS1079	Benzo(a)pyrene	1-1.5	5.5-6		0.00598	0.002	2.99	NA	Isolated, moderately deep, less than 3x screening level
	Benzo(b)fluoranthene		5.5-6		0.0164	0.014	1.17	NA	Isolated, less than 2x screening level
B1BS1088	Benzo(a)anthracene		1-1.5		0.0145	0.014	1.04	NA	Isolated, less than 2x screening level
B1BS1056	Aroclor1260		0-0.5		0.0212	0.017	1.25	NA	Isolated, less than 2x screening level
B1BS1070	Aroclor1260		0-0.5		0.0172	0.017	1.01	NA	Isolated, less than 2x screening level
B1BS1089S001	Aroclor1260		0-0.5		0.0412	0.017	2.42	NA	Isolated, less than 3x screening level
B1BS1089S070	Aroclor1260		0-0.5		0.022	0.017	1.29	NA	Isolated, less than 2x screening level

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Scenario 3 - IEL									
ILBS0124	Benzo(a)pyrene		0.5-1.5		0.0037	0.002	1.85		Sample less than two times the criteria and isolated.
ILBS0125	Cadmium		0.5-1.5		0.51	0.435	1.17	0.579	Sample less than two times the criteria and less than the USL.
ILBS0248	Antimony		0-0.5		1.6	1.5	1.07	0.738	Sample less than two times the criteria and isolated.
ILBS0143	Benzo(b)fluoranthene	0.5-1	4.5-5		0.017	0.014	1.21		Sample less than two times the criteria and isolated.
	Dibenzo(a,h)anthracene	0.5-1	4.5-5		0.0064	0.0048	1.33		Sample less than two times the criteria and isolated.
ENBS0063	Antimony		0.5-1	4.5-5	2.4	1.5	1.60	0.738	Sample less than two times the criteria and isolated.
ILBS1294	Molybdenum		0-0.5		1.65	1.642	1.00	2.744	Sample less than two times the criteria and less than the USL.
ILBS1413	Mercury		5.5-6		0.109	0.0895	1.22	0.0411	Sample less than two times the criteria and isolated.
ILBS1074	Dibenzo(a,h)anthracene		1-1.5	5-6	0.0068	0.0048	1.42		Sample less than two times the criteria and isolated.
ILBS1251	Aroclor 1260		0-0.5		0.018	0.017	1.06		Sample less than two times the criteria and isolated.
	Cadmium		0-0.5		0.674	0.435	1.55	0.579	Sample less than two times the criteria and isolated.
	Lead		0-0.5		40	39	1.03	42.15	Sample less than two times the criteria and less than the USL.
NDTC0076	Benzo(a)pyrene		2-2.5		0.0038	0.002	1.90		Sample less than two times the criteria and isolated.
ILBS1533	Dioxins		0-0.5		0.0000077	0.000005	1.54		Sample less than two times the criteria and isolated.
UABS1002	Lead		0-0.5	3.5-4	75	39	1.92	42.15	Sample less than two times the criteria and isolated.
ENBS0056	Dioxins		0.5-1		0.00000542	0.000005	1.08		Sample less than two times the criteria and isolated.
	Cadmium		0.5-1		0.53	0.435	1.22	0.579	Sample less than two times the criteria and less than the USL.
ENBS0123	Dioxins		0-0.5		0.00000603	0.000005	1.21		Sample less than two times the criteria and isolated.
LFBS1129	Aroclor 1260		0-0.5		0.024	0.017	1.41		Sample less than two times the criteria and isolated. Split sample ND.
	Lead		0-0.5		65.4	39	1.68	42.15	Sample less than two times the criteria and isolated.
ILBS1302	Dioxins		0-1		0.00000632	0.000005	1.26		Sample less than two times the criteria and isolated.
NDTC0089	Benzo(a)pyrene		0-0.5		0.004	0.002	2.00		Sample only two times the criteria and isolated.
NDTC0090	Benzo(a)pyrene		0-0.5		0.0033	0.002	1.65		Sample less than two times the criteria and isolated.
EPNDBS04	Lead		0-0.1		48.3	39	1.24	42.15	Sample less than two times the criteria and isolated.
B1BS1183	Benzene	0.5-1.5, 5-6	9-10		0.0097	0.005	1.94		Sample less than two times the criteria and isolated.
ILBS1310	Lead		0-0.5		53.3	39	1.37		Sample less than two times the criteria and isolated.
ILET0123	Mercury		1-1.5		0.114	0.0895	1.27		Sample less than two times the criteria and isolated.
ILBS0373	Arsenic		0.5-1		27	24.2	1.12		Sample less than two times the criteria and isolated. Field dup below criteria.
ILBS1401	Cadmium		0-0.5	5-6, 9-10	0.449	0.435	1.03	0.579	Sample less than two times the criteria and isolated. Split sample exceeded, primary below criteria.
ILBS28	TCE		2-2		0.024	0.0196	1.22		Sample less than two times the criteria and isolated.
NDBS0356	Molybdenum	0.5-1, 4.5-5	9.08-9.58		1.7	1.642	1.0	2.744	Slight exceedance of criteria and less than the USL. Also, found at depth with shallower samples that do not exceed the criteria.
ILBS0212	Arsenic		0.5-1	4.5-5, 5-6, 9.5-10, 14.5-15	29	24.2	1.2	39.7	Sample less than 2 times the criteria and less than the USL.
ILBS1047	Arsenic	1-1.5, 4.5-5, 5-6, 9-10	14-15		28.6	24.2	1.2	39.7	Sample less than 2 times the criteria and less than the USL.
ILBS1048	Arsenic		3-4		24.9	24.2	1.0	39.7	
	Arsenic		9-10		27	24.2	1.1	39.7	Samples less than 2 times the criteria and less than the USL.
	Arsenic		14-15		28.7	24.2	1.2	39.7	
ILTS1007	Arsenic		8.5	13.5	27	24.2	1.1	39.7	Sample at depth less than 2 times criteria and less than the USL. Overlying sample does not exceed the criteria.

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Scenario 3 - APTF									
AFBS1059	Dioxin TEQ		0 - 1		0.00000674	0.000005	1.35		Less than 2X Scenario 3 criteria.
AFBS0113	Copper		0.5 - 1		48.5	42	1.15	102	Less than 2X Scenario 3 criteria.
AFBS0118	Aroclor 1254		0.5 - 1.0		0.0306	0.017	1.80		Less than 2X Scenario 3 criteria.
AFBS34	Aroclor 1254		0 - 0.5		0.023	0.017	1.35		Less than 2X Scenario 3 criteria.
AFBS0130	Cadmium		0.0 - 1.0		0.54	0.435	1.24	0.579	Less than 2X Scenario 3 criteria.
AFBS1002	NDMA		1.0 - 1.5		0.0109	0.01	1.09		Less than 2X Scenario 3 criteria.
AFBS0129	Cadmium		0.5 - 1.0		0.73	0.435	1.68	0.579	Less than 2X Scenario 3 criteria.
AFBS-1012	Benzo(a)pyrene		5.0 - 6.0		0.00365	0.002	1.83		Less than 2X Scenario 3 criteria.
HNBS0114	Cadmium		0 - 0.5		0.57	0.435	1.31	0.579	Less than 2X Scenario 3 criteria.
	Benzo(a)pyrene		4.5 - 5.0		0.00271	0.002	1.36		Less than 2X Scenario 3 criteria.
AFBS07	TCE		8.0 - 8.0		0.024	0.0196	1.22		Less than 2X Scenario 3 criteria.
AFBS1130	Cadmium		0 - 0.5		0.449	0.435	1.03	0.579	Less than 2X Scenario 3 criteria.
AFBS1022	Cadmium		0 - 0.5		0.52	0.435	1.20	0.579	Less than 2X Scenario 3 criteria.

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Scenario 3 - B359									
BSBS0103	Arsenic	4.5-5.5	9.5-10.5		24.7	24.2	1.0	39.7	Deep exceedance, slight criteria exceedance.
BSBS1032	Arsenic		14-15	19-20	24.9	24.2	1.0	39.7	Deep exceedance, slight criteria exceedance.
HNBS0117	Molybdenum	0.25-0.75	4.0-5.0	9.0-10.0	1.7	1.642	1.0	2.744	Slight criteria exceedance.
	Arsenic	0.25-0.75; 4-5	9.0-10.0		32	24.2	1.3	39.7	Deep exceedance, less than 2X screening criteria.
BSBS1017	Arsenic	0-.5, 5-6	9-10, 14-15	19.0-20.0	32.5, 25.6	24.2	1.3, 1.1	39.7	Deep exceedance, less than 2X screening criteria.
BSBS0153	Arsenic	0.5-1, 4-5,	9.5-10	14-15, 19-20	35.6	24.2	1.5	39.7	Deep exceedance, less than 2X screening criteria.
BSBS0154	Arsenic	1-1.5	5-5.5, 10-10.5	15-15.5, 17-18	27.1, 26.5	24.2	1.1, 1.1	39.7	Deep exceedance, less than 2X screening criteria.
BSBS1016	Arsenic	0.5-1, 5-6	9-10, 14-15		28.4, 26.9	24.2	1.2, 1.1	39.7	Deep exceedance, less than 2X screening criteria.
BSBS1060	Arsenic		19-20	27-27.5	25.5	24.2	1.1	39.7	Deep exceedance, less than 2X screening criteria.
BSBS0163	Molybdenum	0.5-1.0	4.0-4.5		1.9	1.642	1.2	2.744	Less than 2X screening criteria.
UABS1010	Selenium	0.5-0.5	6.1-7.1		1.6	1.5	1.1	0.896	Less than 2X screening criteria.
BSBS1090	Aroclor 1260		0.0-0.5	5.0-6.0	0.024	0.017	1.4		Less than 2X screening criteria.
BSBS0154	Mercury		1.0-1.5	5.0-5.5	0.1	0.0895	1.1	0.0411	Less than 2X screening criteria.
	Aroclor1254		1.0-1.5	5.0-5.5	0.0261	0.017	1.5		Less than 2X screening criteria.
BSBS1044	Mercury		0.0-0.5	5.0-6.0	0.101	0.0895	1.1	0.0411	Less than 2X screening criteria.
BSBS1050	Cadmium		0-0.5	5.0-6.0	0.569	0.435	1.3	0.579	Less than 2X screening criteria.
BSTS19S09	B(a)A		3.0-3.0		0.022	0.014	1.6		Less than 2X screening criteria.

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Scenario 3 - HVN									
HNBS0033	Arsenic	0.5-1, 9.5-10, 14.5-15	4.5-5		28	24.2	1.16	39.7	Isolated and less than 2x screening level. Less than 95 USL.
HNBS0108	Arsenic	0-0.5, 4.5-5	9.5-10		25	24.2	1.03	39.7	
	Selenium	0-0.5	4.5-5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
	Selenium	0-0.5	9.5-10		1.8	1.5	1.20	0.896	
HNBS0110	Cadmium		0-0.5	3.5-4.5	0.54	0.435	1.24	0.579	Isolated and less than 2x screening level. Less than 95 USL.
HNBS0004	Arsenic	0.5-1, 4-5, 9-10	13-13.5		26	24.2	1.07	39.7	Isolated and less than 2x screening level. Less than 95 USL.
HNBS0016	B(a)p		0.5-1		0.002	0.002	1.10		Isolated and less than 2x screening level.
HVLC09S29	Perchlorate		0-0.5		0.033	0.017	1.94	0.000809	Isolated and less than 2x screening level.
HNBS0106	Selenium	0-0.5	5-6		1.8	1.5	1.20	0.896	Isolated and less than 2x screening level.
	Cadmium		0-0.5		0.46	0.435	1.06	0.579	
HNBS0107	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
HNBS0101	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.
	B(a)p		0-0.5		0.00731	0.002	3.66		Isolated. Primary sample exceeds, split sample is ND.
HNBS0119	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated and less than 2x screening level.
HNBS0121	Selenium	0-0.5	4-4.5		1.7	1.5	1.13	0.896	Isolated and less than 2x screening level.
HNBS0123	Selenium		0-0.5		1.6	1.5	1.07	0.896	Isolated and less than 2x screening level.

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Scenario 3 - Canyon									
CNBS0148	Antimony		4-4.5		2.70	2	1.35	0.74	Less than 2x screening level and less than 95 USL.
CNBS0147	Antimony		4-4.5		2.92	2	1.46	0.74	Less than 2x screening level and less than 95 USL.
CNBS0135	Cobalt		0-0.5		49	26.18	1.87	38	Isolated and less than 2x screening level and less than 95USL.
CNBS1025	Arsenic		0-0.5		25.2	24.2	1.04	39.7	Isolated and less than 2x screening level and less than 95USL.
EPTWBS10S070	Dioxins		0 -0.1		5.63E-06	5.00E-06	1.13		Isolated and less than 2x screening level.
CNBS72	Cadmium		0-0.5		0.86	0.435	1.98	0.579	Isolated and less than 2x screening level.
CNBS1082	Benzo(a)pyrene		0-0.5		0.00363	0.002	1.82		Isolated and less than 2x screening level.
CNBS0101	Dieldrin		0-0.5		0.00181	0.001	1.81		Isolated and less than 2x screening level.
CNBS1028	Benzo(a)pyrene		0-0.5		0.00322	0.002	1.61		Isolated and less than 2x screening level.
CNBS44	Cadmium		0-0.5		0.61	0.435	1.40	0.579	Isolated and less than 2x screening level.
CNBS1062	Benzo(a)pyrene		0-0.5		0.00323	0.002	1.62		Isolated and less than 2x screening level.
CNBS1004	Benzo(a)pyrene		0-0.5		0.00318	0.002	1.59		Isolated and less than 2x screening level.
CNBS1087	Cadmium		0.5-1		0.46	0.435	1.06	0.579	Isolated and less than 2x screening level and less than 95USL.
CNBS1025	Arsenic, S	0-0.5	0-0.5		25.2	24.2	1.04	39.7	Isolated and less than 2x screening level and less than 95USL. Clean primary sample.
CNBS1028	Benzo(a)pyrene, P	0-0.5	0-0.5		0.0036	0.002	1.80		Isolated and less than 2x screening level.
CNBS1058	Zinc		0-0.5		160	153	1.05	185	Isolated and less than 2x screening level and less than 95USL.
CNBS1063	Benzo(a)pyrene		0-0.5		0.00237	0.002	1.19		Isolated and less than 2x screening level.

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Scenario 2 - HVS									
HZBS0166	Thallium		0-0.5		1.2	0.629	1.91	0.991	Isolated and less than 2x screening level.
HZBS1226	Cadmium		0-1		1.02	0.435	2.34	0.579	Isolated and less than 95USL.
HZBS1144	Arsenic		4.25-4.75		33.9	24.2	1.40	39.7	Less than 2x screening level and less than 95USL.
HVBD97	Thallium		0-0.4		0.81	0.629	1.29	0.991	Less than 2x screening level and less than 95USL.
HVBD95	Thallium		0-0.4		1.2	0.629	1.91	0.991	Isolated and less than 2x screening level.
HZBS0161	Thallium		1.3-1.8		1.1	0.692	1.59	0.991	Isolated and less than 2x screening level.
HVTC10S12	Arsenic		0-0.5		24.4	24.2	1.01	39.7	Isolated, less than 2x screening level and less than 95USL.
UABS1012	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated, less than 2x screening level and surrounded by clean samples
UABS1017	Selenium		0-0.5	4.5-5.5	1.6	1.5	1.07	0.896	Isolated, less than 2x screening level and surrounded by clean samples.
	Selenium	0-0.5	0.5-1.5	4.5-5.5	2.1	1.5	1.40	0.896	
BZSS05	Thallium		0-0.5		1.8	0.629	2.86	0.991	Isolated and clean ND sample in same location at same depth.
	Cadmium		0-0.5		0.62	0.435	1.43	0.579	Isolated, less than 2x screening level and surrounded by clean samples
UABS1020	Selenium	0-0.5	2-2.5		2.2	1.5	1.47	0.896	Less than 2x screening level and surrounded by clean samples. Overlain by clean sample
UABS1018	Selenium		0-0.5	3-3.5	2.2	1.5	1.47	0.896	Less than 2x screening level and surrounded by clean samples. Clean sample underneath
UABS1019	Selenium		0-0.5		1.6	1.5	1.07	0.896	Less than 2x screening level and surrounded by clean samples.
HVBF03	Thallium		0-0.1		0.9	0.629	1.43	0.991	Less than 2x screening level and less than USL.
HZBS1113	Selenium		0-0.5		1.7	1.5	1.13	0.896	Isolated, less than 2x screening level and surrounded by clean samples
	Selenium		2.5-3.5		1.9	1.5	1.27	0.896	Isolated, less than 2x screening level
ENBS0053	Perchlorate		0-0.3		0.028	0.017	1.65		Isolated, less than 2x screening level
UABS1071	Benzo(a)pyrene		0.5-1.5		0.00215	0.002	1.08		Isolated, less than 2x screening level
UABS1073	Benzo(a)pyrene		0.5-1.5		0.00244	0.002	1.22		Isolated, less than 2x screening level
UABS1074	Benzo(a)pyrene		5.0 - 6.0		0.00228	0.002	1.14		Isolated, less than 2x screening level
HZBS1002S002	Dibenzo(a,h)anthrcene		0.1-1		0.00616	0.0048	1.28		Isolated, less than 2x screening level
UABS1058	Methylene Chloride		2.5-3		0.0141	0.014	1.01		Isolated, less than 2x screening level, common lab contaminant
UABS1059	Methylene Chloride		2-2.5		0.0144	0.014	1.03		Isolated, less than 2x screening level, common lab contaminant
UABS1060	Methylene Chloride		2-2.5		0.0149	0.014	1.06		Isolated, less than 2x screening level, common lab contaminant
HVTC13S07	Cadmium		0-0.5		0.44	0.435	1.01	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S17	Cadmium		9-9.5		0.50	0.435	1.15	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S10	Cadmium		0-0.5		0.49	0.435	1.13	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S16	Cadmium		7-7.5		0.57	0.435	1.31	0.579	Isolated, less than 2x screening level and less than 95USL.
HVTC13S25	Cadmium		0-0.5		0.46	0.435	1.06	0.579	Isolated, less than 2x screening level and less than 95USL.
HZBS0034	Benzo(a)anthracene		0.5-1		0.0141	0.014	1.01		Isolated, less than 2x screening level
HZBS0145	Cadmium		0-0.5		0.492	0.435	1.13	0.579	Isolated, less than 2x screening level and less than 95USL.
HVLD11	Perchlorate		0-0.04		0.022	0.017	1.29		Isolated, less than 2x screening level
HVLD69	Perchlorate		0-0.04		0.019	0.017	1.12		Isolated, less than 2x screening level
HVBS0143	Formaldehyde		0.5-1		4.5	4	1.13		Isolated, less than 2x screening level
HZBS0145	Cadmium		0-0.5		0.492	0.435	1.13	0.579	Isolated, less than 2x screening level and less than 95USL.
HZBS0162	Thallium		0.6-1.1		1	0.629	1.59	0.991	Less than 2x screening level.
HZBS0163	Thallium		0.5-1		0.97	0.629	1.54	0.991	Less than 2x screening level.
HVBF01	Thallium		0-0.1		1.1	0.629	1.75	0.991	Isolated and less than 2x screening level.
HZBS0002	Cadmium		0-0.5		1.1	0.435	2.53	0.579	Isolated, less than 2x screening level and surrounded by clean samples.
	Lead		0-0.5		59.5	39	1.53	42.15	
HZBS1119	Lead		0-0.5	0.5-1.5, 3.75-4.25	47.6	39	1.22	42.15	Isolated, less than 2x screening level and surrounded by clean samples
HZBS0001	Cadmium		0-0.5	5-6	1.2	0.435	2.76	0.579	Surrounded by clean samples.
	Lead		0-0.5	5-6	56.7	39	1.45	42.15	Less than 2x screening level.
	Zinc		0-0.5	5-6	456	320	1.43	185	Less than 2x screening level.
HZBS1020	Barium	0-0.5	5.5-6	10-10.5	204	203.8	1.00	318.75	Less than 2x screening level and less than USL.
HZBS1200	Barium		5-6		271	203.8	1.33	318.75	Less than 2x screening level and less than USL.
	Molybdenum		5-6		2.06	1.642	1.25	2.744	
HZBS1004	Silver		0-0.5		55	29	1.90		Isolated and less than 2x screening level.
HVBD96	Thallium		0-0.4		1.3	0.629	2.07	0.991	Isolated
HZBS0178	Antimony		1.6-2.1		2.33	1.5	1.55	0.740	Isolated and less than 2x screening level.
HZBS0081	Antimony		0.8-1.3		2.02	1.5	1.35	0.740	Isolated and less than 2x screening level.
HZBS0179	Antimony		0.9-1.4		2.19	1.5	1.46	0.740	Isolated and less than 2x screening level.
HZBS1088	Selenium		0.5-1	1-1.5	1.7	1.5	1.13	0.896	Isolated and less than 2x screening level.

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HZBS1087	Selenium		0-0.5		2	1.5	1.33	0.896	Isolated and less than 2x screening level.
	Selenium		1.5-2		2.4	1.5	1.60	0.896	
HZBS1067	Lead		0.5-1.5		45	39	1.15	42.15	Isolated and less than 2x screening level.
HVBS0103	Formaldehyde, FD		0.5-1		4.5	4	1.13		Less than 2x screening level. Clean primary sample.
	Formaldehyde, P		0.5-1		2.4	4	0.60		
HVBF01	Thallium		0-0.1		1.1	0.629	1.75	0.991	Isolated, less than 2x screening level and less than 95USL.
HVBD95	Thallium		0-0.04		1.2	0.629	1.91	0.991	Isolated and less than 2x screening level.
HVBD97	Thallium		0-0.04		0.81	0.629	1.29	0.991	Isolated, less than 2x screening level and less than 95USL.
HVBD96	Thallium		0-0.04		1.3	0.629	2.07	0.991	Isolated and 0.07 above screening level.
HZBS1098	Selenium		0-0.5		1.8	1.5	1.20	0.896	Less than 2x screening level.
	Selenium		3.8-4.8		2.5	1.5	1.67	0.896	
HZBS1099	Selenium		0-0.5		1.9	1.5	1.27	0.896	Less than 2x screening level.
	Selenium		1.5-2		1.8	1.5	1.20	0.896	
HVBD98	Thallium		0-0.04		1	0.629	1.59	0.991	Less than 2x screening level.
HZBS1095	Selenium		4.5-5		1.6	1.5	1.07	0.991	Less than 2x screening level.
HZBS1097	Selenium		0-0.5		2	1.5	1.33	0.991	Less than 2x screening level.
	Zinc		0-0.5		280	153	1.83	185	
UABS1069	Arsenic, P		0-0.5		26	24.2	1.07	39.7	Less than 2x screening level and less than 95USL. Clean split sample.
	Arsenic, S		0-0.5		16.4	24.2	0.68	39.7	
	Selenium, P		0-0.5		1.8	1.5	1.20	0.991	Less than 2x screening level.Clean split sample.
	Selenium, S		0-0.5		0.806	1.5	0.54	0.991	
	Benzo(a)pyrene		0.5-1.5		0.00246	0.002	1.23		Less than 2x screening level.
HZBS1002	Dibenzo(a,h)anthracene		0.5-1		0.00616	0.0048	1.28		Less than 2x screening level.

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Scenario 3 - LETF									
LFBS67	Cadmium		0-1		0.82	0.81	1.01	0.579	Isolated and .01 above screening level.
LFBS1215	Dioxins	0-0.5	5-6	9-10	0.00000614	0.000005	1.23		Isolated and less than 2x screening level, clean samples above and below.
ENBS0146	Benzo(a)pyrene		0-0.5		0.0454	0.044	1.03		Less than 2x screening level.
ENBS0143	Lead		0-0.5		45	39	1.15	42.15	Less than 2x screening level. Duplicate samples less than screening level.
LFBS1202	Lead		0-0.5		58.3	39	1.49	42.15	Isolated and less than 2x screening level.
LFBS1112	Antimony		0-0.5		2.59	2	1.30	0.738	
	Cadmium		0-0.5		0.68	0.435	1.56	0.579	Isolated and less than 2x screening level.
	Mercury		0-0.5		0.0942	0.0895	1.05	0.0411	
LFBS1111	Arsenic		0.5-1	4.5-5.5	27.2	24.2	1.12	39.7	Isolated and less than 2x screening level, less than USL. Clean duplicate sample.
LFBS1099	Copper		0.5-1		43.8	42	1.04	102	Isolated and less than 2x screening level, less than USL.
	Hexavalent Chromium		1-2		2	1.4	1.43	1.71	Isolated and less than 2x screening level, less than USL.
LFBS1151	Mercury		12.5-13.5		0.125	0.0895	1.40	0.0411	Less than 2x screening level and deeper than 10 feet.
LFBS1140	Aroclor 1254		1-1.5		0.023	0.017	1.35		Isolated and less than 2x screening level.

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Scenario 3 - Unaffiliated Area									
HVLK61	Perchlorate		0-0.04		0.02	0.017	1.41	0.000809	Isolated and less than 2x screening level.
UABS1058	Methylene Chloride		2.5-3		0.0141	0.014	1.01		Isolated and less than 2x screening level.
UABS1059	Methylene Chloride		2-2.5		0.0144	0.014	1.03		Isolated and less than 2x screening level.
UABS1060	Methylene Chloride		2-2.5		0.0149	0.014	1.06		Isolated and less than 2x screening level.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Scenario 3 Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Exclusion Rationale
Scenario 3 - Bowl									
BABS2039	Cadmium		0 - 0.5		0.503	0.435	1.16	0.579	Isolated, concentration less than 2x Scenario 3 criteria
BABS-1091	Antimony		0 - 1.0		2	1.5	1.33	0.738	Isolated, concentration less than 2x Scenario 3 criteria
BABS2051	Zinc		0 - 0.5		192	153	1.25		Isolated, concentration less than 2x Scenario 3 criteria
BABS2049	Manganese		0 - 0.5		769	723	1.06	959	Isolated, concentration less than 2x Scenario 3 criteria
BABS2099	B(a)P		0 - 0.5		0.0025	0.002	1.25		Isolated, concentration less than 2x Scenario 3 criteria
BABS3005	B(a)P		0.5 - 1		0.0023	0.002	1.15		Isolated, concentration less than 2x Scenario 3 criteria
BABS2068	B(a)P		0.5 - 1		0.0038	0.002	1.90		Isolated, concentration less than 2x Scenario 3 criteria
BABX1002	Aroclor 1254		0.5 - 1		0.022	0.017	1.29		Isolated, concentration less than 2x Scenario 3 criteria
BABS1080	Cadmium		0 - 0.5		0.51	0.435	1.17	0.579	Isolated, concentration less than 2x Scenario 3 criteria
	Zinc		0 - 0.5		181	153	1.18		Isolated, concentration less than 2x Scenario 3 criteria
BABS2094	B(a)P		0.5 - 1.5		0.0025	0.002	1.25		Isolated, concentration less than 2x Scenario 3 criteria
BABS3020	Aroclor 1254		0 - 0.5		0.027	0.017	1.59		Isolated, concentration less than 2x Scenario 3 criteria
BATS17	Thallium		4 - 4.5		0.71	0.629	1.13	0.991	Isolated, concentration less than 2x Scenario 3 criteria
BABS1148	B(b)F		0 - 0.5		0.028	0.014	2.00		Isolated, concentration 2x Scenario 3 criteria
BABS2103	B(a)P		0 - 0.5		0.0026	0.002	1.30		Isolated, concentration less than 2x Scenario 3 criteria
BABS3014	B(a)P		5.0 - 6.0		0.0036	0.002	1.80		Isolated, concentration less than 2x Scenario 3 criteria
BABS1113	Cadmium		0 - 0.8		0.53	0.435	1.22	0.579	Isolated, concentration less than 2x Scenario 3 criteria
BABS2072	Cadmium		0 - 0.5		0.717	0.435	1.65	0.579	Isolated, concentration less than 2x Scenario 3 criteria
BABS1074	Cadmium		0 - 1.0		0.6	0.435	1.38	0.579	Isolated, concentration less than 2x Scenario 3 criteria
BABS2029	Cadmium		0 - 0.5		0.622	0.435	1.43	0.579	Isolated, concentration less than 2x Scenario 3 criteria
BABS1174	TCE		5.0 - 5.5		0.0249	0.0196	1.27		Isolated, concentration less than 2x Scenario 3 criteria
BABS1169	B(a)P		8.0 - 9.0		0.00326	0.002	1.63		Isolated, concentration less than 2x Scenario 3 criteria
BABS2020	Cadmium		0 - 0.5		0.595	0.435	1.37	0.579	Isolated, concentration less than 2x Scenario 3 criteria
B-4-01	Cadmium		0 - 0.5		0.6	0.435	1.38	0.579	Isolated, concentration less than 2x Scenario 3 criteria
BABS2026	Copper		0 - 0.5		61.70769231	42	1.47	102	Isolated, concentration less than 2x Scenario 3 criteria
BABS1102	Antimony		0 - 1.0		2.4	1.5	1.60	0.738	Isolated, concentration less than 2x Scenario 3 criteria
BABS1054	Chromium		0 - 0.5		110	60.11	1.83		Isolated, concentration less than 2x Scenario 3 criteria
	Cobalt		0 - 0.5		31	26.18	1.18		Isolated, concentration less than 2x Scenario 3 criteria
	Nickel		0 - 0.5		100	64.2	1.56		Isolated, concentration less than 2x Scenario 3 criteria
BATS03	Copper		3.0 - 3.5		60.41538462	42	1.44	102	Isolated, concentration less than 2x Scenario 3 criteria
BABS2026	Copper		0 - 0.5		57.3	42	1.36	102	Isolated, concentration less than 2x Scenario 3 criteria
BABS1103	Antimony		0 - 1		2.9	1.5	1.93	0.738	Isolated, concentration less than 2x Scenario 3 criteria
BABS3047	Dioxin Furan TEQ		0 - 0.5		0.00000871	0.000005	1.74		Isolated, concentration less than 2x Scenario 3 criteria
BABS1105	Antimony		0 - 1		2.8	1.5	1.87	0.738	Isolated, concentration less than 2x Scenario 3 criteria
BABS1079	Antimony		0 - 1		2.9	1.5	1.93	0.738	Isolated, concentration less than 2x Scenario 3 criteria

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Rationale for Scenario 3 Exclusion, R-1 Pond									
R1BS07	Di-n-butyl Pthalate		0.5 - 0.5		1.40	1.10	1.27		Concentrations less than 2x screening level.
	Cadmium		0.5 - 0.5		0.66	0.435	1.52	0.579	Concentrations less than 2x screening level.
R1BS2028	Cadmium		0 - 0.5		0.51	0.435	1.16	0.579	Concentrations less than 2x screening level.
R1BS1002	Antimony		0 - 1.0		1.70	1.50	1.13	0.738	Concentrations less than 2x screening level.
	Antimony		5.0 - 6.0		1.80	1.50	1.50	0.738	Concentrations less than 2x screening level.
R1BS2068	Cadmium		0 - 0.5		0.50	0.435	1.50	0.579	Concentrations less than 2x screening level.
R1BS2019	Benzo(a)pyrene		0.5 - 1.5		0.0061	0.002	1.50		Concentrations less than 2x screening level.
R1BS2090	Benzo(a)pyrene		11.5 - 12.5		0.0061	0.002	1.50		Concentrations less than 2x screening level.
R1BS2044	Arsenic		0 - 0.5		25.50	24.20	1.05	39.7	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS1044	Antimony		0 - 1		2.90	1.5	1.93	0.738	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS1041	Antimony		4.0 - 5.0		2.80	1.5	1.87	0.738	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2097	Arsenic		0 - 0.5		42.2	24.2	1.74	39.7	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2007	Arsenic		0 - 0.5		27.1	24.2	1.12	39.7	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2310	MCPA		0 - 0.5		1.4	0.76	1.84		Isolated, concentration less than 2x Scenario 3 criteria.
	MCPA		0.5 - 1.2		1.1	0.76	1.45		Isolated, concentration less than 2x Scenario 3 criteria.
	Zinc	0 - 0.5	0.5 - 1.2		174	153	1.14	185	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2065	MCPA		0 - 0.5		1.1	0.76	1.45		Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2085	MCPA		0 - 0.5		1.1	0.76	1.45		Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2098	MCPA		0 - 0.5		1.2	0.76	1.58		Isolated, concentration less than 2x Scenario 3 criteria.
	Cadmium		0 - 0.5		0.627	0.435	1.44	0.579	Isolated, concentration less than 2x Scenario 3 criteria.
	Zinc		0 - 0.5		273	153	1.78	185	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2066	MCPA		0 - 0.5		1.3	0.76	1.71		Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2300	MCPA		0 - 0.5		1.5	0.76	1.97		Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2015	Antimony		0 - 0.5		2.07	1.5	1.38	0.738	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2014	Cadmium		0.5 - 1.5		0.939	0.435	2.16	0.579	Isolated, low concentration.
UBBS3028	Antimony		0 - 0.5		3.55	1.5	2.37	0.738	Isolated, concentration less than 3x Scenario 3 criteria.
UBBS3031	Dioxins		0 - 0.5		0.00000867	0.000005	1.73		Isolated, concentration less than 2x Scenario 3 criteria.
UBBS2006	MCPP		0 - 0.5		1.6	0.71	2.25		Isolated, concentration less than 3x Scenario 3 criteria, field duplicate exceeds but primary does not.
UBBS2002	Aroclor 1254		0 - 0.5		0.018	0.017	1.06		Isolated, concentration less than 2x Scenario 3 criteria, primary exceeds but field duplicate does not.
R1BS2306	MCPP		0 - 0.5		1.7	0.71	2.39		Isolated, concentration less than 3x Scenario 3 criteria, field duplicate exceeds but primary does not.
R1BS2301	Zinc		0 - 0.5		214	153	1.40	185	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2040	Dioxins		0 - 0.5		0.0000068	0.000005	1.36		Isolated, concentration less than 2x Scenario 3 criteria.
R1BS3002	Arsenic		0 - 0.5		40.9	24.2	1.69	39.7	Isolated, concentration less than 2x Scenario 3 criteria.
R1BS2005	Benzo(a)pyrene		0.5 - 1.5		0.0022	0.002	1.1		Isolated, concentration less than 2x Scenario 3 criteria.
R1BS1047	Dioxins		0 - 1		0.00000794	0.000005	1.59		Isolated, concentration less than 2x Scenario 3 criteria.

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Scenario 3 - UA of 1B North									
UBBS3006	Benzo(a)pyrene		0.5-1.5		0.0023	0.002	1.05		Isolated, concentration less than 2x Scenario 3 criteria.

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Scenario 3 - CTL-III									
PPBS1052	Selenium, primary	0-0.5	2-2.5		1.7	1.5	1.1	0.896	Overlying sample less than screening criteria. Sample less than two times the criteria.
CLBS2072	Formaldehyde		0.5-1.5		4.5	4	1.1		Sample less than 2 times the criteria.
CLBS2157	MCPA		0-0.5	5-5.4	1.1	0.76	1.4		Shallow sample less than 2 times the criteria. Note, deep sample is non-detect at 5-5.4 but reporting limit exceeds criteria. Need to look into this further.
CLBS2159	MCPA		0-0.5		0.98	0.76	1.3		Shallow sample less than 2 times the criteria. Note, deep sample is non-detect at 5-5.4 but reporting limit exceeds criteria. Need to look into this further.
CLBS2163	MCPA		0-0.5		1.2	0.76	1.6		Samples less than 2 times the criteria.
CLBS2112	Cadmium, P	0-0.5			0.223	0.435	0.5	0.579	CLBS2112 and CLBS41 are immediately adjacent to one another. Surface samples are below screening criteria. Deep impacts are less than 2 times the criteria. Deep TCE impacts anticipated to be addressed through soil vapor extraction.
	Cadmium, FD	0-0.5			0.251	0.435	0.6	0.579	
CLBS41	Cadmium		20		0.45	0.435	1.0	0.579	
	TCE	1-1.5, 17	30		0.03	0.0196	1.5		
CLBS40	TCE		20	31.5	0.12	0.0196	6.1		Deep TCE impacts anticipated to be addressed through soil vapor extraction.
CLBS1186	Selenium, field dup		0-0.5	4-5	1.6	1.5	1.1	0.896	Sample less than 2 times the critieria. Field duplicate exceeds but primary does not.
CLBS2066	Molybdenum	0-0.5	5-5.5		2.18	1.642	1.3	2.74	Shallow sample does not exceed criteria. Deep sample less than 2 times the criteria.
CLBS2009	Aroclor 1254		0-0.5		0.018	0.017	1.1		Sample slightly exceeds criteria. Note, sample at depth is non-detect but the value exceeds the criteria.
	Aroclor 1254		4-5		0.019 U	0.017	1.1		
CLBS2187	TCE	0.5-1.5	5-6		0.027	0.0196	1.4		Surface sample does not exceed criteria. Sample at depth less than 2 times the criteria.
CLSS04	Benzo(a)pyrene, P		0-0.5		0.0029	0.002	1.5		Samples less than 2 times the criteria.
CLBS07	Formaldehyde		0.5		5.6	4	1.4		Sample less than 2 times the criteria.
CLBS2188	Benzo(a)pyrene, FD		0-0.5	0.5-1.25	0.0028	0.002	1.4		Sample less than 2 times the criteria.
CLBS3011	Cadmium		0-0.5		0.566	0.435	1.3	0.579	Sample less than 2 times the criteria and less than the USL.
CLBS2093	Cadmium		0.5-1.5	4.5-5	0.547	0.435	1.3	0.579	Samples less than 2 times the criteria.
CLBS2005	Barium - FD		0-0.5		430	203.8	2.1	318.75	It is unclear where this boring is located. In GIS this boring is displayed just north of the boundary of Building 1449 where the GW treatment plant is currently located. The boring was drilled in 2013. New asphault was installed sometime around 2010. The boring log shows that it was hand augered but does not show concrete or asphault at the surface. This needs to be reviewed further. The boring was apparently completed 10/22/2013.
	Barium - P	0-0.5			238	203.8	1.2	318.75	
CLBS2004	Barium - P		0-0.5		371	203.8	1.8	318.75	It is unclear where this boring is located. In GIS this boring is displayed inside of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphault at the surface. This needs to be reviewed further. The boring was apparently completed 10/16/2013.
	Barium - S		0-0.5		316	203.8	1.6	318.75	
	Barium			5-5.8	23	203.8	0.1	318.75	
	Cadmium - P		0-0.5		0.47	0.435	1.1	0.579	
	Cadmium - S		0-0.5		0.518	0.435	1.2	0.579	
	Cadmium		0-0.5		0.11	0.435	0.3	0.579	
CLBS2010	Barium		0-0.5		1060	203.8	5.2	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the boundary of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphault at the surface. This needs to be reviewed further. The boring was apparently completed 10/30/2013.
	Copper		0-0.5		64.7	42	1.5	102	

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
CLBS2023	Barium		0-0.5		320	203.8	1.6	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the SE corner of Building 1449 where the GW treatment plant is currently located. The boring log shows that it was hand augered but does not show concrete or asphault at the surface. This needs to be reviewed further. The boring was apparently completed 10/16/2013.
	Cadmium		0-0.5		1.76	0.435	4.0	0.579	
CLBS0088	Barium		0		810	203.8	4.0	318.75	It is unclear where this boring is located. In GIS this boring is displayed on the SW corner of Building 1449 where the GW treatment plant is currently located. A boring log does not appear to be available for this location. The location of this sample needs to be reviewed further.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - Perimeter Pond									
PPBS2016	Cadmium		0-0.5		0.496	0.435	1.1	0.579	Sample is isolated and less than 2 times the criteria.
PPBS2013	Aroclor 1254		0-0.5	3.5-4.2	0.032	0.017	1.9		Sample is isolated and less than 2 times the criteria.
PPBS2011	Benzo(a)pyrene		0-0.5	2.8-3.2	0.0034	0.002	1.7		Less than 2 times the criteria.
PPBS2010	Benzo(a)pyrene, FD		0-0.5		0.0021	0.002	1.1		Field duplicate less than 2 times the criteria and primary sample less than screening criteria.
	Benzo(a)pyrene, P		0-0.5		0.00096	0.002	0.5		
PPBS1051	Selenium	0-0.5	2-2.8		1.7	1.5	1.1	0.896	Shallow sample does not exceed criteria. Deep sample less than 2 times the criteria.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - AIBP									
TTBS2005	Chromium		0-0.5		78.5	60.11	1.3	80.85	Less than 2 times the criteria and the split sample does not exced the criteria.
TTBS1047	Cobalt	0-0.5, 4-5	9-10		33	26.18	1.3	38	Overlying samples do not exceed criteria and sample at depth less than the USL.
	Cadmium		0-0.5	4-5, 9-10	0.76	0.435	1.7	0.579	Sample less than 2 times the criteria.
TTBS2053	Manganese		0-0.5		1080	723	1.5	959	Sample less than 2 times the screening criteria.
TTBS3010	Nickel		0-0.5	2.5-3	69.5	64.2	1.1	113	Sample less than 2 times the screening criteria and less than the USL.
TTBS3043	Nickel		0-0.5		73.9	64.2	1.2	113	Sample less than 2 times the screening criteria and less than the USL.
TTBS2060	Manganese	0-0.5	2.5-3		922	723	1.3	959	Overlying sample does not exceed criteria. Sample less than 2 times the criteria and less than the USL.
TTBS1175	Barium		0.5-1		210	203.8	1.0	318.75	Sample less than 2 times the criteria and less than the USL.
	Manganese, S		0.5-1		880	723	1.2	959	
TTBS1089	Manganese		0-0.5	2-2.5	780	723	1.1	959	Sample less than 2 times the criteria and less than the USL.
TTBS1183	Antimony		0-0.5	2.5-3	2	1.5	1.3	0.738	Less than 2 times the screening criteria and isolated.
TTBS1070	Cobalt	0-0.5	2-3		33.7	26.18	1.3	38	Samples less than 2 times the criteria.
	Manganese		0-0.5		977	723	1.4	959	
	Manganese		2-3		1430	723	2.0	959	
	Nickel	0-0.5	2-3		117	64.2	1.8	113	
TTBS2016	Chromium		0-0.5		79.2	60.11	1.3	80.85	Sample less than 2 times the criteria and less than the USLs.
	Cobalt		0-0.5		29.1	26.18	1.1	38	
	Manganese		0-0.5		729	723	1.0	959	
	Nickel		0-0.5		122	64.2	1.9	113	
TTBS1157	Chromium	0-0.5	4-5		106	60.11	1.8	80.85	Samples less than 2 times the criteria. Surface samples do not exceed criteria.
	Chromium	0-0.5	9-10		85.3	60.11	1.4	80.85	
	Cobalt	0-0.5	4-5	9-10	33.8	26.18	1.3	38	
	Manganese	0-0.5	4-5	9-10	734	723	1.0	959	
	Nickel	0-0.5	4-5		126	64.2	2.0	113	
	Nickel	0-0.5	9-10		96.1	64.2	1.5	113	
	Vanadium	0-0.5	4-5	9-10	120	111.8	1.1	150.6	
CTBS10	Aroclor 1254		0-0.5		0.024	0.017	1.4		Sample less than 2 times the criteria.
TTBS3022	DioxinFuran_TEQ_Mammal		0-0.5		0.00000531	0.000005	1.1		Sample less than 2 times the criteria. Split sample less than criteria.
TTBS1194	Antimony - Split		0-0.5	0.5-1.5	1.83	1.5	1.2	0.738	Sample less than 2 times the criteria.
	Selenium-Split	0-0.5	0.5-1.5		5.1	1.5	3.4	0.896	Surface sample less than criteria. Underlying exceedance appears to be isolated.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - CTL-V									
CTBS2105	Selenium	0-0.5	4-5		1.68	1.5	1.1	0.896	Overlying sample less than the criteria. Sample less than 2 times the criteria.
	Aroclor 1254		0-0.5	4-5	0.02	0.017	1.2		Sample less than 2 times the criteria.
CTBS2103	Aroclor 1254		0-0.5		0.025	0.017	1.5		Sample less than 2 times the criteria.
CTBS2045	Nickel		0-0.5	5-6, 9-10	72.8	64.2	1.1	113	Sample less than 2 times the criteria and less than the USL.
CTBS2053	Lead		0-0.4		42.1	39	1.1	42.15	Sample less than 2 times the criteria and less than the USL.
TTBS1222	Cadmium		0-0.5		0.82	0.435	1.9	0.579	Isolated exceednance and sample less than 2 times the criteria.
CTBS3018	Antimony		0-0.5		2.15	1.5	1.4	0.738	Sample less than 2 times the criteria.

Boring (Object Name) Scenario 3 - ECL	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
ECBS1406	Copper		0 - 1		48	42	1.14	102.00	Sample isolated and less than 2 times the criteria.
ECBS1020	Copper		0 - 1		42.8	42	1.02	102.00	Sample isolated and less than 2 times the criteria.
ECBS2055	Arsenic		0.0-0.5		33.4	24.2	1.38	39.70	Sample isolated and less than 2 times the criteria.
ECBS2001	Arsenic		0.0-0.5		24.4	24.2	1.01	39.70	Sample isolated and less than 2 times the criteria.
ECBS2046	Cadmium		0.0-0.5		0.535	0.435	1.23	0.579	Sample isolated and less than 2 times the criteria.
ECTS18S02	Chromium		6.0 - 6.5		60.6	60.11	1.01	80.95	Sample isolated and less than 2 times the criteria.
	Zinc		6.0 - 6.5		234	153	1.53		
	Benzo(a)pyrene		6.0 - 6.5		0.003	0.002	1.50		

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - Silvernale									
SNBS2023	Benzo(a)pyrene		0.5-1.0		0.0021	0.002	1.05		Sample isolated
SNBS13	Cobalt		0.0-0.5		32	26.18	1.22	38	Sample isolated and less than 2 times the criteria.
BGSS03	Antimony		0.0-0.5		7.4	1.5	4.93	0.74	Sample isolated on top of bedrock outcrop
	Antimony		1.0-1.0		6.5	1.5	4.33	0.74	Sample isolated on top of bedrock outcrop

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - Compound A									
CFBS2039	Cadmium		0-0.5	2.5-3	0.454	0.435	1.04	0.579	Sample less than two times the criteria and less than the USL.
CFBS2034	Thallium	0-0.5	6-7		0.646	0.629	1.03	0.991	Sample less than two times the criteria and less than the USL.
	Nickel		0-0.5	6-7	72.4	64.2	1.13	113	Sample less than two times the criteria and less than the USL.
CFBS2035	Nickel		0-0.5	5-6	84.6	64.2	1.32	113	Sample less than two times the criteria and less than the USL.
	Thallium	0-0.5	5-6		0.668	0.629	1.06	0.991	Sample less than two times the criteria and less than the USL.
CFBS2027	Aroclor 1260		0-0.5	5-6	0.03	0.017	1.76		Sample less than two times the criteria.
CFBS3026	Aroclor 1260		0-0.5	5-6	0.018	0.017	1.06		Sample less than two times the criteria.
	Aroclor 1254		0-0.5	5-6	0.024	0.017	1.41		Sample less than two times the criteria.
CFBS2075	Lead		0-0.5		42.4	39	1.09	42.15	Sample less than two times the criteria and very close to the USL.
CFBS3035	Aroclor 1254		0-0.5		0.019	0.017	1.12		Sample less than two times the criteria.
CFBS2069	Manganese	0-0.5	4-5		972	723	1.34	959	Sample less than two times criteria, no exceed in primary sample, very close to USL.
CFBS2000	Nickel		0-0.5		70.1	64.2	1.09	113	Sample less than two times the criteria and less than the USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - EEL									
ELBS2006	Arsenic		5-6	9-10	26.2	24.2	1.08	39.7	Sample less than two times the criteria and less than the USL.
ELBS1016	Barium	0-1	5-6		230	203.8	1.13	318.75	Sample less than two times the criteria and less than the USL.
ELBS2015	B(a)p		0.5-1.5	4-5	0.0038	0.002	1.90		Sample less than two times the criteria.
GMBS2012B	B(a)p		0.6-1.1		0.0043	0.002	2.15		Split sample at same location 0.00389UJ. Barely more than 2X criteria.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - STL-IV									
SLBS2004	Arcolor 1254		0-0.5	5-6	0.0347	0.017	2.04		Primary sample does not exceed. Duplicate sample approximately 2X criteria.
SLBS2055	Antimony		0-0.5	5-6	1.65	1.5	1.10	0.738	Primary sample does not exceed. Split sample is very close to the criteria.
SLBS1422	Barium	0.5-1	5.5-6		230	203.8	1.13	318.75	Sample less than two times the criteria and less than the USL.
CFBS3023	Cadmium		0-0.5		0.436	0.435	1.00	0.579	Sample less than two times the criteria and less than the USL.
SLBS2081	Cadmium		0-0.5	3.5-4	0.736	0.435	1.69	0.579	Sample less than two times the criteria.
SLBS1044	Cadmium		0-1	3.5-4	0.44	0.435	1.01	0.579	Sample less than two times the criteria and less than the USL.
SLBS3103	Aroclor 1260		0-0.5		0.028	0.017	1.65		Sample less than two times the criteria.
	Dixoin TEQ Mammal		0.0-0.5		0.00000658	0.000005	1.32		Sample isolated and less than 2 times the criteria.
SLBS1500	Cadmium		0-1		0.46	0.435	1.06	0.579	Sample less than two times the criteria and less than the USL.
SLBS2159	Cadmium		0-0.5		0.529	0.435	1.22	0.579	Sample less than two times the criteria and less than the USL.
SLTS1502	Mercury		1-2		0.16	0.0895	1.79	0.0411	Sample isolated and less than 2 times the criteria.
SLBS2157	Molybdenum		0-0.5		2.82	1.642	1.72	2.744	Sample isolated and less than 2 times the criteria.
SLBS2020	Benzo(a)pyrene		0.5-1		0.0021	0.002	1.05		Slight criteria exceedance, isolated sample.
SLBS2119	Benzo(a)pyrene		0.5-1.5		0.0022	0.002	1.10		Slight criteria exceedance, isolated sample.
SLBS3085	Thallium	0-0.5	5-6		0.641	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.
	Thallium	0-0.5	9-10		0.642	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.
U9BS2005	Thallium	0-0.5	5-6		0.671	0.629	1.07	0.991	Sample less than two times the criteria and less than the USL.
U9BS2000	Thallium		0-0.5		0.639	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Criteria (mg/kg)	Exceed level (x screen)	95 USL (mg/kg)	Rationale for Exclusion
Scenario 3 - STP-3									
STBS2060	Copper	0-1	4.5-5	5-6	55.4	42	1.32	102	Sample less than two times the criteria and less than the USL.
	Thallium		4.5-5		0.644	0.629	1.02	0.991	Sample less than two times the criteria and less than the USL.
STBS2051	Nickel		0-0.5		65.1	64.2	1.01	113	Sample less than two times the criteria and less than the USL.
STBS2040	Nickel		0-0.5		69.3	64.2	1.08	113	Sample less than two times the criteria and less than the USL.
	Nickel		2.5-3		69.7	64.2	1.09	113	Sample less than two times the criteria and less than the USL.
STBS2001	Cadmium		0-0.5		0.565	0.435	1.30	0.579	Sample less than two times the criteria and less than the USL.

Rationale for Exclusion

Boring (Object Name)	COPC	Overlying NonExceed Sample Interval (ft bgs)	Exceed Sample Interval (ft bgs)	Underlying NonExceed Sample Interval (ft bgs)	Result (Final Result) (mg/kg)	Scenario 3 Criteria (mg/kg)	Scenario 3 Exceed level (x screen)	95 USL (mg/kg)	Exclusion Rationale
Scenario 3 - Southern Buffer Zone									
UOFS2137	Molybdenum		0 - 0.5		4.58	1.642	2.79	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOFS1011	Molybdenum		0 - 0.5		3.3	1.642	2.01	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Cadmium		0-0.5		0.5	0.435	1.15	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOFS3101	Molybdenum		0 - 0.5		2.58	1.642	1.57	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOFS3000	Molybdenum		0 - 0.5		3.1	1.642	1.89	2.744	Exceedance less than 2x criteria, may be naturally occurring.
UOBS3020	Molybdenum		0 - 0.5		2.44	1.642	1.49	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3047	Molybdenum		0 - 0.5		3.62	1.642	2.20	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Molybdenum		4.0 -5.0		3.84	1.642	2.34	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3048	Molybdenum		0 - 0.5		3.48	1.642	2.12	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3098	Molybdenum		0 - 0.5		3.94	1.642	2.40	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3097	Molybdenum		0 - 0.5		4.13	1.642	2.52	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOSS1019	Molybdenum		0 - 0.5		1.9	1.642	1.16	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS2032	Cadmium		0 - 0.5	5-6	1.02	0.435	2.34	0.579	Non-operational area that will be assessed further.
UOBS1012	Molybdenum		0 - 0.5		2.2	1.642	1.34	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
BZSS02	Molybdenum		0 - 0.5		2.6	1.642	1.58	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
	Antimony		0-0.5		4.4	1.5	2.93	0.738	Non-operational area that will be assessed further.
UOBS3000	Molybdenum		0 - 0.5		3.04	1.642	1.85	2.744	Exceedance less than 2x criteria, may be naturally occurring.
UOBS3043	Molybdenum		0 - 0.5		4.22	1.642	2.57	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Molybdenum		3-3.5		2.17	1.642	1.32	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
BCSS12	Molybdenum		0 - 0.5		2	1.642	1.22	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3012	Molybdenum		0 - 0.5		2.51	1.642	1.53	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOFS1003	Cadmium		0 - 0.5		0.44	0.435	1.01	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1028	Cadmium		0 - 0.5		0.61	0.435	1.40	0.579	Non-operational area that will be assessed further.
UOBS2022	Cadmium		0 - 0.5		0.729	0.435	1.68	0.579	Non-operational area that will be assessed further.
	Zinc		0 - 0.5		223	153	1.46	185	Non-operational area that will be assessed further.
UOBS1002	Cadmium		0.5 - 1.0	5.5-6	0.48	0.435	1.10	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1008	Cadmium		0 - 0.25		0.45	0.435	1.03	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOFS2055	Cadmium		0 - 1.0		0.489	0.435	1.12	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1013	Cadmium		0 - 0.5		0.45	0.435	1.03	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1037	Cadmium		0 - 0.5		0.445	0.435	1.02	0.579	Exceedance less that 2x criteria, at or below 95 USL, split sample exceeds and primary does not. Non operational area that will be assessed further.
UOSS1042	Cadmium		0 - 0.5		0.44	0.435	1.01	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
BKND-5	Cadmium		0-0		0.48	0.435	1.10	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
	Thallium		0-0		3.3	0.629	5.25	0.991	Non-operational area that will be assessed further.
UOBS2011	Molybdenum		0-0.5		1.85	1.642	1.13	2.744	Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS2015	Molybdenum		0-0.5		15.9	1.642	9.68	2.744	Not in or contiguous to known operational area, may be naturally occurring.
BZSS04	Antimony		0-0.5		6.3	1.5	4.20	0.738	Non-operational area that will be assessed further.
	Mercury		0-0.5		0.09	0.1	1.01	0.0411	Non-operational area that will be assessed further.
SB_TTF_BG-1	Cadmium		0-0.5		2.4	0.435	5.52	0.579	Non-operational area that will be assessed further.
UOFS1005	Antimony		0-0.5		4.9	1.5	3.27	0.738	Non-operational area that will be assessed further.
	Molybdenum		0-0.5		5.8	1.642	3.53	2.744	Field duplicate exceeds, primary does not. Not in or contiguous to known operational area, may be naturally occurring.
	Thallium		0-0.5		0.64	0.629	1.02	0.991	Exceedance is below 95 USL. Field duplicate exceeds, primary does not. Non-operational area that will be assessed further.
UOFS1007	Benzo(a)pyrene		0-0.5		0.045	0.002	22.50		Non-operational area that will be assessed further.
UOSS1020	Cadmium		0-0.5		0.45	0.435	1.03	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
	Molybdenum		0-0.5		4.9	1.642	2.98	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3084	Molybdenum		0-0.5		3.59	1.642	2.19	2.744	Exceedance less than 3x criteria, may be naturally occurring.
	Molybdenum		5-6		2.67	1.642	1.63	2.744	Exceedance in primary, split does not exceed. Exceedance less than 2x criteria, at or below 95 USL, may be naturally occurring.
UOBS3019	Molybdenum		0-0.5		4.34	1.642	2.64	2.744	Exceedance less than 3x criteria, may be naturally occurring.
UOBS3010	Molybdenum		0-0.5		10.7	1.642	6.52	2.744	Not in or contiguous to known operational area, may be naturally occurring.
UOBS3046	Molybdenum		0-0.5		21.1	1.642	12.85	2.744	Not in or contiguous to known operational area, may be naturally occurring.
UOBS2032	Cadmium		0-0.5	5-6	1.02	0.435	2.34	0.579	Non-operational area that will be assessed further.
BCSS09	Cadmium		0-0.5		0.47	0.435	1.08	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
	Thallium		0-0.5		1.9	0.629	3.02	0.991	Non-operational area that will be assessed further.
BZSS03	Antimony		0-0.5		7.4	1.5	4.93	0.738	Non-operational area that will be assessed further.
	Antimony		1-1		8.7	1.5	5.80	0.738	Non-operational area that will be assessed further.
UOBS1013	Cadmium		0-0.5		0.56	0.435	1.29	0.579	Exceedance is below 95 USL. Non-operational area that will be assessed further.
UOSS1018	Anitmony		0-0.5		1.9	1.5	1.27	0.738	Non-operational area that will be assessed further.
Upstream 001	Benzo(a)anthracene		0-0		0.015	0.014	1.07		Non-operational area that will be assessed further.
UOBS2048	Benzo(a)pyrene		0.5-1.5		0.0027	0.002	1.35		Non-operational area that will be assessed further.
UOSS1041	Antimony		0-0.5		1.6	1.5	1.07	0.738	Non-operational area that will be assessed further.