
**SUBAREA 6 ROUND 2 ADDENDUM
TO THE FINAL FSP FOR SOIL SAMPLING
SANTA SUSANA FIELD LABORATORY SITE
AREA IV RADIOLOGICAL STUDY**

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SUBJECT: Subarea 6 Round 2 Addendum to the Final Field Sampling Plan for Soil Sampling

CONTRACT NO: EP-S7-05-05
TASK ORDER NO: 0038

INTRODUCTION

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

This document supports the field implementation of the overall soil sampling program and is an addendum to the Final Field Sampling Plan (FSP) for Soil Sampling (HGL, 2012). A description of the overall project goals, data quality objectives, sampling strategy, laboratory analytical suites, sample depth interval selection, data quality control, and data evaluation are described in the FSP.

PURPOSE

This addendum documents the rationale used to determine the location and depth of soil samples to be collected during round 2 soil sampling within Subarea 6. Sample locations are summarized in Table 1 (Attachment 1) and illustrated on the figures provided in Attachment 2. This addendum also documents the laboratory analyses that will be performed for each soil sample.

Specific sample locations presented herein were discussed during a technical review meeting held on February 22, 2012, with members of USEPA’s SSFL Technical Stakeholder group consisting of representatives of U.S. Department of Energy (DOE), the State of California Department of Toxic Substances Control (DTSC), The Boeing Company, USEPA, and the community members. Recommendations and action items identified at the technical review meeting, including those on the topic of “Likely Chemical Remediation” (LCR) zones have been incorporated into this FSP Addendum. USEPA understands that soil may be excavated and removed from areas identified as LCR zones. Therefore, USEPA placed step-out samples around the zone's perimeter to better define the potential extent of contamination proximal to and associated with such zones. In accordance with the USEPA’s role under the Administrative Order on Consent for Remedial Action (DTSC, 2010) agreement between DTSC and DOE for the SSFL site, and subject to additional external funding, USEPA will conduct verification soil sampling post Decontamination and Decommissioning activities to verify that site remediation goals have been achieved at all such remediation zones.

A total of 437 soil samples (167 surface, 235 subsurface, and 35 drainage) were collected during round 1 sampling in Subarea 6. Analysis of the 437 round 1 soil samples identified 60 samples with radionuclide activities exceeding radiological trigger levels (RTL) developed for the Area IV Santa Susana Field Laboratory Radiological Study. The process used to derive the RTLs is presented in the Technical Memorandum, Radiological Trigger Levels (HGL, 2011a). Unfortunately, during a stakeholder meeting when these preliminary results were first discussed, several exceedances were shared, namely tritium and carbon-14 in the Sodium Reactor Experiment (SRE) area, which were in fact, not present. This was due to a transcription error involving matrix spike samples. USEPA and HGL have since added additional steps to correct the database reporting problem.

A total of 71 concentrations exceeding the RTLs were identified in 60 round 1 soil samples collected from the following areas within Subarea 6:

- Liquid and Gas Radioactive Storage Tank Area
- SRE Northern Ditch
- SRE
- Former Cooling Towers
- SRE Pond
- Hot Oil Sodium Wash Facility
- Former Building 4003
- Fuel Storage Area
- New Conservation Yard
- Old Conservation Yard

Table 2, below, summarizes the radionuclides and the range of activity detected at each of these areas. Figure 1 illustrates the location of the samples collected during round 1 and identifies the locations that had radionuclide activities that exceeded the RTLs. Round 1 soil

sample results will be presented in the Subarea 6 Round 1 Technical Memorandum which will be published in May 2012.

Table 2
Summary of Round 1 Radiological Trigger Level Exceedances

Area of Radiological Trigger Level Exceedance	Analyte	Number of Exceedances	Range of Concentration	RTL
Liquid and Gas Radioactive Storage Tanks Area	Cs-137	17	0.257 – 46.4	0.207
	Sr-90	6	0.523 – 2.39	0.485
SRE Northern Ditch	Co-60	1	0.043	0.028
	Cs-137	12	0.405 – 24.3	0.207
	Pu-239/240	1	0.0515	0.0404
	Sr-90	1	21.3	0.485
SRE	Cs-137	1	1.02	0.207
Former Cooling Towers	Cs-137	2	0.497 - 1.44	0.207
SRE Pond	Cs-137	5	0.229 – 1.21	0.207
	Sr-90	1	0.641	0.485
Hot Oil Sodium Wash Pad	Cs-137	3	0.876 - 1.86	0.207
Former Building 4003	Cs-137	2	0.225 - 0.241	0.207
Fuel Storage Area	Cs-137	6	0.485 - 196	0.207
	Sr-90	2	0.557 – 0.882	0.485
New Conservation Yard	Cs-137	10	0.21 – 4.61	0.207
Old Conservation Yard	Cs-137	1	3.42	0.207

Notes:

All units measured in picocuries per gram

Co – cobalt

Cs – cesium

Pu – plutonium

RTL – Radiological Trigger Level

Sr – strontium

ROUND 2 PROPOSED SAMPLING LOCATIONS

Lines of evidence presented in the Subarea 6 FSP Addendum (HGL, 2011b) for Round 1 such as gamma scanning survey results, aerial photographic interpretation, and historical process knowledge were evaluated to assist with the placement of round 2 sampling locations. In addition to these lines of evidence, results from the round 1 soil sampling event were also evaluated. A total of 207 soil samples (113 step-out locations) are proposed for round 2 soil sampling. Table 1 details the location and the technical justification for each of these soil samples. Table 3 summarizes the number of samples proposed to be collected within each area where radionuclide activity was detected above the RTLs in round 1 soil samples.

Table 3
Summary of Round 2 Sample Numbers by Area

Area of Round 1 RTL Exceedances	Drainage	Surface	Subsurface	Total
Liquid and Gas Radioactive Storage Tanks Area	0	18	17	35
SRE Northern Ditch	0	7	11	18
SRE	0	3	7	10
Former Cooling Towers	0	6	6	12
SRE Pond	0	2	2	4
Sodium Hot Oil Wash Facility	0	6	6	12
Former Building 4003	2	2	4	8
Fuel Storage Area	0	24	24	48
New Conservation Yard	0	21	21	42
Old Conservation Yard	0	8	8	16
Southern Drainage	1	0	1	2
Total	3	97	107	207

Figure 1 provides an overview map that shows the location of each round 1 sample that had radionuclide activities that exceeded RTLs. The location and type (for example, surface, subsurface, and drainage) of each step-out sample are shown in Figures 2 through 9 in Attachment 2. Supporting figures showing aerial photographic features, gamma radiation surveys, geophysical surveys and results of past soil radiological investigations and process knowledge presented in the Subarea 6 FSP Addendum (HGL, 2011a) for Round 1 are included in Attachment 3.

SCHEDULE

Round 2 soil sampling within Subarea 6 will commence in March and be completed by May 2012. USEPA will provide periodic updates to SSFL Stakeholders regarding the status of the soil sampling program as well as the laboratory analysis and data interpretation.

REFERENCES

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

HydroGeoLogic, Inc., 2011b. Subarea 6 Field Sampling Plan Addendum, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. June.

HydroGeoLogic, Inc., 2012. Final Field Sampling Plan for Soil Sampling, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. March.

State of California, Environmental Protection Agency, Department of Toxic Substances Control, 2010. Administrative Order On Consent For Remedial Action, Santa Susana Field Laboratory, Simi Hills, Ventura County, California. December 6.

LIST OF ATTACHMENTS

Attachment 1 Table 1
Attachment 2 Figures 1-9
Attachment 3 Support Figures

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ATTACHMENT 1

Table 1 Summary of Soil Sample Locations

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Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00327	Surface	North of the Liquid and Gas Radioactive Storage Tanks Area, south side of concrete pad. Approximately 60 feet northwest of round 1 sample Location 134.	Cs-137 at a concentration of 0.935 pCi/g and Sr-90 at a concentration of 1.07 pCi/g detected in surface soil sample at sample Location 134.	Gamma Spec, Sr-90
6-00327	Subsurface	North of the Liquid and Gas Radioactive Storage Tanks Area, south side of concrete pad. Approximately 60 feet northwest of round 1 sample Location 134.	Cs-137 at a concentration of 0.935 pCi/g and Sr-90 at a concentration of 1.07 pCi/g detected in surface soil sample at sample Location 134.	Gamma Spec, Sr-90
6-00328	Surface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 60 feet northeast of round 1 sample Location 145.	Cs-137 at a concentration of 0.378 pCi/g was detected in the surface soil sample at sample Location 145.	Gamma Spec
6-00328	Subsurface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 60 feet northeast of round 1 sample Location 145.	Cs-137 at a concentration of 0.378 pCi/g was detected in the surface soil sample at sample Location 145.	Gamma Spec
6-00329	Surface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 30 feet east of round 1 sample Location 146.	Cs-137 at a concentration of 2.33 pCi/g was detected in the surface soil sample at sample Location 146.	Gamma Spec, Sr-90
6-00329	Subsurface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 30 feet east of round 1 sample Location 146.	Cs-137 at a concentration of 2.33 pCi/g was detected in the surface soil sample at sample Location 146.	Gamma Spec, Sr-90
6-00330	Surface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 30 feet northeast of round 1 sample Location 145.	Cs-137 at a concentration of 0.378 pCi/g was detected in the surface soil sample at sample Location 145.	Gamma Spec, Sr-90
6-00330	Subsurface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 30 feet northeast of round 1 sample Location 145.	Cs-137 at a concentration of 0.378 pCi/g was detected in the surface soil sample at sample Location 145.	Gamma Spec, Sr-90
6-00331	Surface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 20 feet north of round 1 sample Location 145.	Cs-137 at a concentration of 0.378 pCi/g was detected in the surface soil sample at sample Location 145.	Gamma Spec
6-00331	Subsurface	East side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 20 feet north of round 1 sample Location 145.	Cs-137 at a concentration of 0.378 pCi/g was detected in the surface soil sample at sample Location 145.	Gamma Spec
6-00332	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 50 feet southwest of round 1 sample Location 133.	Cs-137 at a concentration of 0.422 pCi/g was detected in the surface soil sample at sample Location 133.	Gamma Spec
6-00332	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 50 feet southwest of round 1 sample Location 133.	Cs-137 at a concentration of 0.422 pCi/g was detected in the surface soil sample at sample Location 133.	Gamma Spec
6-00333	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 100 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00333	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 100 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00334	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 65 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00334	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 65 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00335	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 50 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00335	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 50 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00336	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00336	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet north of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00337	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet west of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00337	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet west of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00338	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet south of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00338	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet south of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00339	Surface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet east of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00339	Subsurface	West side of the Liquid and Gas Radioactive Storage Tanks Area. Approximately 25 feet east of round 1 sample Location 286.	Cs-137 at a concentration of 1.09 pCi/g was detected in the surface soil sample at sample Location 286.	Gamma Spec
6-00340	Surface	SRE Northern Ditch. Northern corner of the SRE complex and western most portion of the Northern Ditch. Approximately 10 feet west of round 1 sample Location 287.	Cs-137 at a concentration of 0.882 pCi/g was detected in the surface soil sample at Location 287. Stakeholder requested sample location.	Gamma Spec
6-00340	Subsurface	SRE Northern Ditch. Northern corner of the SRE complex and western most portion of the Northern Ditch. Approximately 10 feet west of round 1 sample Location 287.	Cs-137 at a concentration of 0.882 pCi/g was detected in the surface soil sample at Location 287. Stakeholder requested sample location.	Gamma Spec
6-00341	Surface	SRE Northern Ditch. Northern corner of the SRE complex and western most portion of the Northern Ditch. Approximately 15 feet south of round 1 sample Location 287.	Cs-137 at a concentration of 0.882 pCi/g was detected in the surface soil sample at Location 287. Stakeholder requested sample location.	Gamma Spec
6-00341	Subsurface	SRE Northern Ditch. Northern corner of the SRE complex and western most portion of the Northern Ditch. Approximately 15 feet south of round 1 sample Location 287.	Cs-137 at a concentration of 0.882 pCi/g was detected in the surface soil sample at Location 287. Stakeholder requested sample location.	Gamma Spec
6-00342	Surface	SRE Northern Ditch. Northern corner of the SRE complex and western most portion of the Northern Ditch. Approximately 20 feet southeast of round 1 sample Location 287.	Cs-137 at a concentration of 0.882 pCi/g was detected in the surface soil sample at Location 287. Stakeholder requested sample location.	Gamma Spec
6-00342	Subsurface	SRE Northern Ditch. Northern corner of the SRE complex and western most portion of the Northern Ditch. Approximately 20 feet southeast of round 1 sample location 287.	Cs-137 at a concentration of 0.882 pCi/g was detected in the surface soil sample at Location 287. Stakeholder requested sample location.	Gamma Spec
6-00343	Surface	SRE Northern Ditch, western portion. Approximately 20 feet east of round 1 sample Location 288.	Cs-137 at a concentration of 1.41 pCi/g was detected in the surface soil sample at sample Location 288.	Gamma Spec
6-00343	Subsurface	SRE Northern Ditch, western portion. Approximately 20 feet east of round 1 sample Location 288.	Cs-137 at a concentration of 1.41 pCi/g was detected in the surface soil sample at sample Location 288.	Gamma Spec
6-00344	Surface	SRE Northern Ditch, central portion. Approximately 30 feet southwest of round 1 sample Location 291.	Cs-137 at concentrations of 2.18 pCi/g in surface and 1.47 pCi/g in subsurface soil samples were detected at sample Location 291.	Gamma Spec, Sr-90
6-00344	Subsurface	SRE Northern Ditch, central portion. Approximately 30 feet southwest of round 1 sample Location 291.	Cs-137 at concentrations of 2.18 pCi/g in surface and 1.47 pCi/g in subsurface soil samples were detected at sample Location 291.	Gamma Spec, Sr-90
6-00345	Surface	SRE Northern Ditch, central portion. Approximately 20 feet south of round 1 sample Location 290.	Co-60 at a concentration of 0.048 pCi/g, Cs-137 at 24.3 pCi/g, Pu- 239/Pu-240 at 0.0515 pCi/g, and Sr-90 at 21.3 pCi/g were detected in the surface soil sample at sample Location 290.	Co-60, Cs-137, Np-237, Pu-238, Pu- 239/Pu-240, Pu-241, Pu-236, Pu-244, Sr-90

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00345	Subsurface	SRE Northern Ditch, central portion. Approximately 20 feet south of round 1 sample Location 290.	Co-60 at a concentration of 0.048 pCi/g, Cs-137 at 24.3 pCi/g, Pu- 239/Pu-240 at 0.0515 pCi/g, and Sr-90 at 21.3 pCi/g were detected in the surface soil sample at sample Location 290.	Co-60, Cs-137, Np-237, Pu-238, Pu- 239/Pu-240, Pu-241, Pu-236, Pu-244, Sr-90
6-00348	Surface	SRE Southern Ditch. Approximately 10 feet northeast of round 1 sample Location 299.	Cs-137 at a concentration of 1.02 pCi/g was detected in the surface soil sample collected at sample Location 299	Gamma Spec
6-00348	Subsurface	SRE Southern Ditch. Approximately 10 feet northeast of round 1 sample Location 299.	Cs-137 at a concentration of 1.02 pCi/g was detected in the surface soil sample collected at sample Location 299	Gamma Spec
6-00349	Surface	SRE Southern Ditch. Approximately 10 feet south of round 1 sample Location 299.	Cs-137 at a concentration of 1.02 pCi/g was detected in the surface soil sample collected at sample Location 299	Gamma Spec
6-00349	Subsurface	SRE Southern Ditch. Approximately 10 feet south of round 1 sample Location 299.	Cs-137 at a concentration of 1.02 pCi/g was detected in the surface soil sample collected at sample Location 299	Gamma Spec
6-00350	Surface	SRE Southern Ditch. Approximately 10 feet southwest of round 1 sample Location 299.	Cs-137 at a concentration of 1.02 pCi/g was detected in the surface soil sample collected at sample Location 299	Gamma Spec
6-00350	Subsurface	SRE Southern Ditch. Approximately 10 feet southwest of round 1 sample Location 299.	Cs-137 at a concentration of 1.02 pCi/g was detected in the surface soil sample collected at sample Location 299	Gamma Spec
6-00351	Surface	Former Cooling Tower area, north of the SRE tarp. Approximately 15 feet north of round 1 sample Location 300.	Cs-137 at a concentration of 1.44 pCi/g was detected in the surface soil sample at sample Location 300.	Gamma Spec
6-00351	Subsurface	Former Cooling Tower area, north of the SRE tarp. Approximately 15 feet north of round 1 sample Location 300.	Cs-137 at a concentration of 1.44 pCi/g was detected in the surface soil sample at sample Location 300.	Gamma Spec
6-00352	Surface	Former Cooling Tower area, north of the SRE tarp. Approximately 10 feet southwest of round 1 sample Location 300.	Cs-137 at a concentration of 1.44 pCi/g was detected in the surface soil sample at sample Location 300.	Gamma Spec
6-00352	Subsurface	Former Cooling Tower area, north of the SRE tarp. Approximately 10 feet southwest of round 1 sample Location 300.	Cs-137 at a concentration of 1.44 pCi/g was detected in the surface soil sample at sample Location 300.	Gamma Spec
6-00353	Surface	Former Cooling Tower area, north of the SRE tarp. Approximately 30 feet southeast of round 1 sample Location 300.	Cs-137 at a concentration of 1.44 pCi/g was detected in the surface soil sample at sample Location 300.	Gamma Spec
6-00353	Subsurface	Former Cooling Tower area, north of the SRE tarp. Approximately 30 feet southeast of round 1 sample Location 300.	Cs-137 at a concentration of 1.44 pCi/g was detected in the surface soil sample at sample Location 300.	Gamma Spec
6-00354	Surface	Former Cooling Tower area, north of the SRE tarp. Approximately 15 feet southeast of round 1 sample Location 281.	Cs-137 at a concentration of 0.497 pCi/g was detected in the surface soil sample at sample Location 281.	Gamma Spec
6-00354	Subsurface	Former Cooling Tower area, north of the SRE tarp. Approximately 15 feet southeast of round 1 sample Location 281.	Cs-137 at a concentration of 0.497 pCi/g was detected in the surface soil sample at sample Location 281.	Gamma Spec
6-00355	Surface	Former Cooling Tower area, north of the SRE tarp. Approximately 10 feet northeast of round 1 sample Location 281.	Cs-137 at a concentration of 0.497 pCi/g was detected in the surface soil sample at sample Location 281.	Gamma Spec
6-00355	Subsurface	Former Cooling Tower area, north of the SRE tarp. Approximately 10 feet northeast of round 1 sample Location 281.	Cs-137 at a concentration of 0.497 pCi/g was detected in the surface soil sample at sample Location 281.	Gamma Spec
6-00356	Surface	Former Cooling Tower area, north of the SRE tarp. Approximately 15 feet northwest of round 1 sample Location 281.	Cs-137 at a concentration of 0.497 pCi/g was detected in the surface soil sample at sample Location 281.	Gamma Spec
6-00356	Subsurface	Former Cooling Tower area, north of the SRE tarp. Approximately 15 feet northwest of round 1 sample Location 281.	Cs-137 at a concentration of 0.497 pCi/g was detected in the surface soil sample at sample Location 281.	Gamma Spec

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00358	Surface	South of the SRE Pond. Approximately 60 feet southeast of round 1 sample Location 45.	Cs-137 at a concentration of 0.475 pCi/g and 0.389 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 45.	Gamma Spec, Sr-90
6-00358	Subsurface	South of the SRE Pond. Approximately 60 feet southeast of round 1 sample Location 45.	Cs-137 at a concentration of 0.475 pCi/g and 0.389 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 45.	Gamma Spec, Sr-90
6-00359	Surface	Hot Oil Sodium Cleaning Facility. Approximately 10 feet north of round 1 sample Location 304.	Cs-137 at a concentration of 0.876 pCi/g was detected in the surface soil sample at sample Location 304.	Gamma Spec
6-00359	Subsurface	Hot Oil Sodium Cleaning Facility. Approximately 10 feet north of round 1 sample Location 304.	Cs-137 at a concentration of 0.876 pCi/g was detected in the surface soil sample at sample Location 304.	Gamma Spec
6-00360	Surface	Hot Oil Sodium Cleaning Facility. Approximately 20 feet west of round 1 sample Location 304.	Cs-137 at a concentration of 0.876 pCi/g was detected in the surface soil sample at sample Location 304.	Gamma Spec
6-00360	Subsurface	Hot Oil Sodium Cleaning Facility. Approximately 20 feet west of round 1 sample Location 304.	Cs-137 at a concentration of 0.876 pCi/g was detected in the surface soil sample at sample Location 304.	Gamma Spec
6-00361	Surface	Hot Oil Sodium Cleaning Facility. Approximately 10 feet south of round 1 sample Location 303.	Cs-137 at a concentration of 1.18 pCi/g was detected in the surface soil sample at sample Location 303.	Gamma Spec
6-00361	Subsurface	Hot Oil Sodium Cleaning Facility. Approximately 10 feet south of round 1 sample Location 303.	Cs-137 at a concentration of 1.18 pCi/g was detected in the surface soil sample at sample Location 303.	Gamma Spec
6-00362	Surface	Hot Oil Sodium Cleaning Facility. Approximately 15 feet east of round 1 sample Location 303.	Cs-137 at a concentration of 1.18 pCi/g was detected in the surface soil sample at sample Location 303.	Gamma Spec
6-00362	Subsurface	Hot Oil Sodium Cleaning Facility. Approximately 15 feet east of round 1 sample Location 303.	Cs-137 at a concentration of 1.18 pCi/g was detected in the surface soil sample at sample Location 303.	Gamma Spec
6-00363	Surface	Hot Oil Sodium Cleaning Facility. Approximately 25 feet northeast of round 1 sample Location 302.	Cs-137 at a concentration of 1.86 pCi/g was detected in the surface soil sample at sample Location 302.	Gamma Spec
6-00363	Subsurface	Hot Oil Sodium Cleaning Facility. Approximately 25 feet northeast of round 1 sample Location 302.	Cs-137 at a concentration of 1.86 pCi/g was detected in the surface soil sample at sample Location 302.	Gamma Spec
6-00364	Surface	Hot Oil Sodium Cleaning Facility. Approximately 25 feet southwest of round 1 sample Location 302.	Cs-137 at a concentration of 1.86 pCi/g was detected in the surface soil sample at sample Location 302.	Gamma Spec
6-00364	Subsurface	Hot Oil Sodium Cleaning Facility. Approximately 25 feet southwest of round 1 sample Location 302.	Cs-137 at a concentration of 1.86 pCi/g was detected in the surface soil sample at sample Location 302.	Gamma Spec
6-00365	Drainage	West of former Building 4003 Engineering Test Building. Approximately 25 feet southeast of round 1 sample Location 5.	Cs-137 at a concentration of 0.241 pCi/g was detected in the surface soil sample at sample Location 5.	Gamma Spec
6-00365	Subsurface	West of former Building 4003 Engineering Test Building. Approximately 25 feet southeast of round 1 sample Location 5.	Cs-137 at a concentration of 0.241 pCi/g was detected in the surface soil sample at sample Location 5.	Gamma Spec
6-00366	Drainage	West of former Building 4003 Engineering Test Building. Approximately 25 feet northwest of round 1 sample Location 5.	Cs-137 at a concentration of 0.241 pCi/g was detected in the surface soil sample at sample Location 5.	Gamma Spec
6-00366	Subsurface	West of former Building 4003 Engineering Test Building. Approximately 25 feet northwest of round 1 sample Location 5.	Cs-137 at a concentration of 0.241 pCi/g was detected in the surface soil sample at sample Location 5.	Gamma Spec
6-00367	Surface	Southwest of the former Engineering Test Building, along water line leading from former building 4003 to the KEWB. Approximately 20 feet northeast of round 1 sample Location 29.	Cs-137 at a concentration of 0.225 pCi/g was detected in the surface soil sample at sample Location 29.	Gamma Spec

Table 1
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Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00367	Subsurface	Southwest of the former Engineering Test Building, along water line leading from former building 4003 to the KEWB. Approximately 20 feet northeast of round 1 sample Location 29.	Cs-137 at a concentration of 0.225 pCi/g was detected in the surface soil sample at sample Location 29.	Gamma Spec
6-00368	Surface	Southwest of the former Engineering Test Building, along water line leading from former building 4003 to the KEWB. Approximately 20 feet southwest of round 1 sample Location 29.	Cs-137 at a concentration of 0.225 pCi/g was detected in the surface soil sample at sample Location 29.	Gamma Spec
6-00368	Subsurface	Southwest of the former Engineering Test Building, along water line leading from former building 4003 to the KEWB. Approximately 20 feet southwest of round 1 sample Location 29.	Cs-137 at a concentration of 0.225 pCi/g was detected in the surface soil sample at sample Location 29.	Gamma Spec
6-00369	Surface	Fuel Storage Facility, north of former Building 4064 and approximately 50 feet west of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00369	Subsurface	Fuel Storage Facility, north of former Building 4064 and approximately 50 feet west of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00370	Surface	Fuel Storage Facility, north of former Building 4064 and approximately 30 feet northwest of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00370	Subsurface	Fuel Storage Facility, north of former Building 4064 and approximately 30 feet northwest of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00371	Surface	Fuel Storage Facility, north of former Building 4064 and approximately 50 feet south of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00371	Subsurface	Fuel Storage Facility, north of former Building 4064 and approximately 50 feet south of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00372	Surface	Fuel Storage Facility, north of former Building 4064 and approximately 45 feet east of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00372	Subsurface	Fuel Storage Facility, north of former Building 4064 and approximately 45 feet east of round 1 sample Location 322.	Cs-137 at a concentration of 0.485 pCi/g was detected in subsurface soil sample at sample Location 322.	Gamma Spec
6-00373	Surface	Fuel Storage Facility, north of former Building 4064 and approximately 60 feet southwest of round 1 sample Location 305.	Cs-137 at a concentration of 15.4 pCi/g was detected in the surface soil sample at sample Location 305.	Gamma Spec
6-00373	Subsurface	Fuel Storage Facility, north of former Building 4064 and approximately 60 feet southwest of round 1 sample Location 305.	Cs-137 at a concentration of 15.4 pCi/g was detected in the surface soil sample at sample Location 305.	Gamma Spec
6-00374	Surface	Fuel Storage Facility, east of former Building 4064 and approximately 120 feet south of round 1 sample Location 305.	Cs-137 at a concentration of 15.4 pCi/g was detected in the surface soil sample at sample Location 305.	Gamma Spec
6-00374	Subsurface	Fuel Storage Facility, east of former Building 4064 and approximately 120 feet south of round 1 sample Location 305.	Cs-137 at a concentration of 15.4 pCi/g was detected in the surface soil sample at sample Location 305.	Gamma Spec
6-00375	Surface	Fuel Storage Facility, east of former Building 4064 and approximately 45 feet southwest of round 1 sample Location 307.	Cs-137 at a concentration of 2.84 pCi/g was detected in the surface soil sample at sample Location 307.	Gamma Spec
6-00375	Subsurface	Fuel Storage Facility, east of former Building 4064 and approximately 45 feet southwest of round 1 sample Location 307.	Cs-137 at a concentration of 2.84 pCi/g was detected in the surface soil sample at sample Location 307.	Gamma Spec
6-00376	Surface	Fuel Storage Facility, east of former Building 4064 and approximately 50 feet east of round 1 sample Location 307.	Cs-137 at a concentration of 2.84 pCi/g was detected in the surface soil sample at sample Location 307.	Gamma Spec
6-00376	Subsurface	Fuel Storage Facility, east of former Building 4064 and approximately 50 feet east of round 1 sample Location 307.	Cs-137 at a concentration of 2.84 pCi/g was detected in the surface soil sample at sample Location 307.	Gamma Spec

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00377	Surface	Fuel Storage Facility, east of former Building 4064 and approximately 120 feet southwest of round 1 sample Location 309.	Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample at sample Location 309.	Gamma Spec
6-00377	Subsurface	Fuel Storage Facility, east of former Building 4064 and approximately 120 feet southwest of round 1 sample Location 309.	Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample at sample Location 309.	Gamma Spec
6-00378	Surface	Fuel Storage Facility, east of former Building 4064 and approximately 65 feet southeast of round 1 sample Location 309.	Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample at sample Location 309.	Gamma Spec
6-00378	Subsurface	Fuel Storage Facility, east of former Building 4064 and approximately 65 feet southeast of round 1 sample Location 309.	Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample at sample Location 309.	Gamma Spec
6-00379	Surface	Fuel Storage Facility. Approximately 65 feet north of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec
6-00379	Subsurface	Fuel Storage Facility. Approximately 65 feet north of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec
6-00380	Surface	Fuel Storage Facility. Approximately 70 feet northwest of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec
6-00380	Subsurface	Fuel Storage Facility. Approximately 70 feet northwest of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec
6-00381	Surface	Fuel Storage Facility, northeast of former Building 4064. Approximately 60 feet north of round 1 sample Location 305.	Cs-137 at a concentration of 15.4 pCi/g was detected in the surface soil sample at sample Location 305.	Gamma Spec
6-00381	Subsurface	Fuel Storage Facility, northeast of former Building 4064. Approximately 60 feet north of round 1 sample Location 305.	Cs-137 at a concentration of 15.4 pCi/g was detected in the surface soil sample at sample Location 305.	Gamma Spec
6-00382	Surface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet north of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00382	Subsurface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet north of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00383	Surface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet west of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00383	Subsurface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet west of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00384	Surface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet south of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00384	Subsurface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet south of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00385	Surface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet east of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00385	Subsurface	Fuel Storage Facility, northeast of former Building 4064. Approximately 10 feet east of round 1 sample Location 306.	Cs-137 at a concentration of 74.9 pCi/g and 196 pCi/g were detected in the subsurface and surface (respectively) soil sample at sample Location 306.	Gamma Spec, Sr-90
6-00386	Surface	Fuel Storage Facility, northeast of round 1 Location 309. Approximately 70 feet northwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00386	Subsurface	Fuel Storage Facility, northeast of round 1 Location 309. Approximately 70 feet northwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00387	Surface	Fuel Storage Facility, northeast of round 1 Location 309. Approximately 60 feet northwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00387	Subsurface	Fuel Storage Facility, northeast of round 1 Location 309. Approximately 60 feet northwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00388	Surface	Fuel Storage Facility, east of round 1 Location 309. Approximately 50 feet west of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00388	Subsurface	Fuel Storage Facility, east of round 1 Location 309. Approximately 50 feet west of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00389	Surface	Fuel Storage Facility, east of round 1 Location 309. Approximately 60 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00389	Subsurface	Fuel Storage Facility, east of round 1 Location 309. Approximately 60 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00390	Surface	Fuel Storage Facility, east of round 1 Location 309. Approximately 65 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00390	Subsurface	Fuel Storage Facility, east of round 1 Location 309. Approximately 65 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00391	Surface	Fuel Storage Facility, southeast of round 1 Location 309. Approximately 70 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00391	Subsurface	Fuel Storage Facility, southeast of round 1 Location 309. Approximately 70 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00392	Surface	Fuel Storage Facility, southeast of round 1 Location 309. Approximately 100 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00392	Subsurface	Fuel Storage Facility, southeast of round 1 Location 309. Approximately 100 feet southwest of round 1 sample Location 243.	Sr-90 at a concentration of 0.557 pCi/g was detected in the surface soil sample at sample Location 243. Cs-137 at a concentration of 1.27 pCi/g was detected in the surface soil sample collected from sample Location 309.	Gamma Spec, Sr-90
6-00393	Surface	New Conservation Yard, south side of G Street. Approximately 30 feet north of round 1 sample Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00393	Subsurface	New Conservation Yard, south side of G Street. Approximately 30 feet north of round 1 sample Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec
6-00394	Surface	New Conservation Yard, south side of G Street, Approximately 35 feet west of round 1 sample Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec
6-00394	Subsurface	New Conservation Yard, south side of G Street, Approximately 35 feet west of round 1 sample Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec
6-00395	Surface	New Conservation Yard, northwest portion. Approximately 40 feet west of round 1 sample Location 215.	Cs-137 at a concentration of 0.494 pCi/g was detected in the surface soil sample at sample Location 215.	Gamma Spec
6-00395	Subsurface	New Conservation Yard, northwest portion. Approximately 40 feet west of round 1 sample Location 215.	Cs-137 at a concentration of 0.494 pCi/g was detected in the surface soil sample at sample Location 215.	Gamma Spec
6-00396	Surface	New Conservation Yard, northwest portion. Approximately 50 feet southwest of round 1 sample Location 215.	Cs-137 at a concentration of 0.494 pCi/g was detected in the surface soil sample at sample Location 215.	Gamma Spec
6-00396	Subsurface	New Conservation Yard, northwest portion. Approximately 50 feet southwest of round 1 sample Location 215.	Cs-137 at a concentration of 0.494 pCi/g was detected in the surface soil sample at sample Location 215.	Gamma Spec
6-00397	Surface	New Conservation Yard, northwest portion. Approximately 70 feet northwest of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00397	Subsurface	New Conservation Yard, northwest portion. Approximately 70 feet northwest of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00398	Surface	New Conservation Yard, northwest portion. Approximately 75 feet northwest of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00398	Subsurface	New Conservation Yard, northwest portion. Approximately 75 feet northwest of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00399	Surface	New Conservation Yard, northwest portion. Approximately 75 feet southwest of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00399	Subsurface	New Conservation Yard, northwest portion. Approximately 75 feet southwest of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00400	Surface	New Conservation Yard, west portion. Approximately 60 feet south of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00400	Subsurface	New Conservation Yard, west portion. Approximately 60 feet south of round 1 sample Location 228.	Cs-137 at a concentration of 0.21 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00401	Surface	New Conservation Yard, west portion. Approximately 30 feet southwest of round 1 sample Location 237.	Cs-137 at a concentration of 0.325 pCi/g was detected in the surface soil sample at sample Location 237.	Gamma Spec
6-00401	Subsurface	New Conservation Yard, west portion. Approximately 30 feet southwest of round 1 sample Location 237.	Cs-137 at a concentration of 0.325 pCi/g was detected in the surface soil sample at sample Location 237.	Gamma Spec
6-00402	Surface	New Conservation Yard, central portion. Approximately 35 feet south of round 1 sample Location 316.	Cs-137 at a concentration of 1.49 pCi/g was detected in the surface soil sample at sample Location 316.	Gamma Spec
6-00402	Subsurface	New Conservation Yard, central portion. Approximately 35 feet south of round 1 sample Location 316.	Cs-137 at a concentration of 1.49 pCi/g was detected in the surface soil sample at sample Location 316.	Gamma Spec

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00403	Surface	New Conservation Yard, central portion. Approximately 75 feet east of round 1 sample Location 320.	Cs-137 at a concentration of 0.228 pCi/g was detected in the surface soil sample at sample Location 320.	Gamma Spec
6-00403	Subsurface	New Conservation Yard, central portion. Approximately 75 feet east of round 1 sample Location 320.	Cs-137 at a concentration of 0.228 pCi/g was detected in the surface soil sample at sample Location 320.	Gamma Spec
6-00404	Surface	New Conservation Yard, central portion. Approximately 75 feet northeast of round 1 sample Location 320.	Cs-137 at a concentration of 0.228 pCi/g was detected in the surface soil sample at sample Location 320.	Gamma Spec
6-00404	Subsurface	New Conservation Yard, central portion. Approximately 75 feet northeast of round 1 sample Location 320.	Cs-137 at a concentration of 0.228 pCi/g was detected in the surface soil sample at sample Location 320.	Gamma Spec
6-00405	Surface	New Conservation Yard, central portion. Approximately 50 feet north of round 1 sample Location 320.	Cs-137 at a concentration of 0.228 pCi/g was detected in the surface soil sample at sample Location 320.	Gamma Spec
6-00405	Subsurface	New Conservation Yard, central portion. Approximately 50 feet north of round 1 sample Location 320.	Cs-137 at a concentration of 0.228 pCi/g was detected in the surface soil sample at sample Location 320.	Gamma Spec
6-00406	Surface	New Conservation Yard, central portion. Approximately 30 feet north of round 1 sample Location 318.	Cs-137 at a concentration of 0.622 pCi/g was detected in the surface soil sample at sample Location 318.	Gamma Spec
6-00406	Subsurface	New Conservation Yard, central portion. Approximately 30 feet north of round 1 sample Location 318.	Cs-137 at a concentration of 0.622 pCi/g was detected in the surface soil sample at sample Location 318.	Gamma Spec
6-00407	Surface	New Conservation Yard, central portion. Approximately 40 feet north of round 1 sample Location 316.	Cs-137 at a concentration of 1.49 pCi/g was detected in the surface soil sample at sample Location 316.	Gamma Spec
6-00407	Subsurface	New Conservation Yard, central portion. Approximately 40 feet north of round 1 sample Location 316.	Cs-137 at a concentration of 1.49 pCi/g was detected in the surface soil sample at sample Location 316.	Gamma Spec
6-00408	Surface	New Conservation Yard, central portion. Approximately 65 feet northeast of round 1 sample Location 315.	Cs-137 at a concentration of 3.29 pCi/g was detected in the surface soil sample at sample Location 315.	Gamma Spec
6-00408	Subsurface	New Conservation Yard, central portion. Approximately 65 feet northeast of round 1 sample Location 315.	Cs-137 at a concentration of 3.29 pCi/g was detected in the surface soil sample at sample Location 315.	Gamma Spec
6-00409	Surface	New Conservation Yard, central portion. Approximately 65 feet east of round 1 sample Location 228.	Cs-137 at a concentration of 0.210 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00409	Subsurface	New Conservation Yard, central portion. Approximately 65 feet east of round 1 sample Location 228.	Cs-137 at a concentration of 0.210 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00410	Surface	New Conservation Yard, northwest portion. Approximately 60 feet northeast of round 1 sample Location 228.	Cs-137 at a concentration of 0.210 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00410	Subsurface	New Conservation Yard, northwest portion. Approximately 60 feet northeast of round 1 sample Location 228.	Cs-137 at a concentration of 0.210 pCi/g was detected in the surface soil sample at sample Location 228.	Gamma Spec
6-00411	Surface	New Conservation Yard, northwest portion. Approximately 50 feet east of round 1 sample Location 215.	Cs-137 at a concentration of 0.494 pCi/g was detected in the surface soil sample at sample Location 215.	Gamma Spec
6-00411	Subsurface	New Conservation Yard, northwest portion. Approximately 50 feet east of round 1 sample Location 215.	Cs-137 at a concentration of 0.494 pCi/g was detected in the surface soil sample at sample Location 215.	Gamma Spec
6-00412	Surface	New Conservation Yard, south side of G Street. Approximately 65 feet southeast of round 1 Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00412	Subsurface	New Conservation Yard, south side of G Street. Approximately 65 feet southeast of round 1 sample Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec
6-00413	Surface	New Conservation Yard, south side of G Street. Approximately 60 feet east of round 1 sample Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec
6-00413	Subsurface	New Conservation Yard, south side of G Street. Approximately 60 feet east of round 1 sample Location 310.	Cs-137 at a concentration of 1.31 pCi/g was detected in the surface soil sample collected from sample Location 310.	Gamma Spec
6-00414	Surface	Old Conservation Yard, north side of G Street. Approximately 60 feet southeast of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00414	Subsurface	Old Conservation Yard, north side of G Street. Approximately 60 feet southeast of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00415	Surface	Old Conservation Yard, north side of G Street. Approximately 50 feet northeast of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00415	Subsurface	Old Conservation Yard, north side of G Street. Approximately 50 feet northeast of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00416	Surface	Old Conservation Yard, north side of G Street. Approximately 75 feet north of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00416	Subsurface	Old Conservation Yard, north side of G Street. Approximately 75 feet north of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00417	Surface	Old Conservation Yard, north side of G Street. Approximately 50 feet northwest of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00417	Subsurface	Old Conservation Yard, north side of G Street. Approximately 50 feet northwest of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00418	Surface	Old Conservation Yard, north side of G Street. Approximately 60 feet southwest of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00418	Subsurface	Old Conservation Yard, north side of G Street. Approximately 60 feet southwest of round 1 sample Location 212.	Cs-137 at a concentration of 0.513 pCi/g was detected in the surface soil sample collected from sample Location 212.	Gamma Spec
6-00419	Surface	Old Conservation Yard, northeast portion. Approximately 20 feet southwest of round 1 sample Location 311.	Cs-137 at a concentration of 3.42 pCi/g was detected in the surface soil sample collected from sample Location 311.	Gamma Spec
6-00419	Subsurface	Old Conservation Yard, northeast portion. Approximately 20 feet southwest round 1 sample Location 311.	Cs-137 at a concentration of 3.42 pCi/g was detected in the surface soil sample collected from sample Location 311.	Gamma Spec
6-00420	Surface	Old Conservation Yard, northeast portion. Approximately 20 feet southeast round 1 sample Location 311.	Cs-137 at a concentration of 3.42 pCi/g was detected in the surface soil sample collected from sample Location 311.	Gamma Spec
6-00420	Subsurface	Old Conservation Yard, northeast portion. Approximately 20 feet southeast round 1 sample Location 311.	Cs-137 at a concentration of 3.42 pCi/g was detected in the surface soil sample collected from sample Location 311.	Gamma Spec
6-00421	Surface	Old Conservation Yard, northeast portion. Approximately 20 feet east round 1 sample Location 311.	Cs-137 at a concentration of 3.42 pCi/g was detected in the surface soil sample collected from sample Location 311.	Gamma Spec
6-00421	Subsurface	Old Conservation Yard, northeast portion. Approximately 20 feet east round 1 sample Location 311.	Cs-137 at a concentration of 3.42 pCi/g was detected in the surface soil sample collected from sample Location 311.	Gamma Spec

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00422	Drainage	Southwest corner of Subarea 6. Approximately 200 feet northeast of round 1 sample Location 230.	Concentration of Cs-137 detected in drainage upgradient in the New Conservation Yard. Location added at the request of Stakeholder.	Gamma Spec
6-00422	Subsurface	Southwest corner of Subarea 6. Approximately 200 feet northeast of round 1 sample Location 230.	Concentration of Cs-137 detected in drainage upgradient in the New Conservation Yard. Location added at the request of Stakeholder.	Gamma Spec
6-00423	Surface	SRE Northern Ditch. Approximately 15 feet south of round 1 Location 292 and 25 feet east of Location 290.	Co-60 at a concentration of 0.048 pCi/g, Cs-137 at 24.3 pCi/g, Pu- 239/Pu-240 at 0.0515 pCi/g, and Sr-90 at 21.3 pCi/g were detected in the surface soil sample at sample Location 290.	Co-60, Cs-137, Np-237, Pu-238, Pu- 239/Pu-240, Pu-241, Pu-236, Pu-244, Sr-90
6-00423	Subsurface	SRE Northern Ditch. Approximately 15 feet south of round 1 Location 292 and 25 feet east of Location 290.	Co-60 at a concentration of 0.048 pCi/g, Cs-137 at 24.3 pCi/g, Pu- 239/Pu-240 at 0.0515 pCi/g, and Sr-90 at 21.3 pCi/g were detected in the surface soil sample at sample Location 290.	Co-60, Cs-137, Np-237, Pu-238, Pu- 239/Pu-240, Pu-241, Pu-236, Pu-244, Sr-90
6-00424	Surface	North side of the SRE complex, northwest of the SRE tarp. Approximately 40 feet east of round 1 sample Location 149.	Cs-137 (4.36 pCi/g) and Sr-90 (0.981 pCi/g) were detected at activities that exceeded the RTLs in the surface soil sample collected at sample Location 149.	Gamma Spec, Sr-90
6-00425	Surface	North side of the SRE complex, northwest of the SRE tarp. Approximately 75 feet east of round 1 sample Location 149.	Cs-137 (4.36 pCi/g) and Sr-90 (0.981 pCi/g) were detected at activities that exceeded the RTLs in the surface soil sample collected at sample Location 149.	Gamma Spec, Sr-90
6-00030	Surface	SRE Pond area. Approximately 80 feet east of Outfall 4, next to round 1 Location 39.	Sample to verify the C-14 concentration reported at Location 30 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00039	Subsurface	SRE Pond area. Approximately 75 feet south of Outfall 4, next to round 1 Location 39.	Sample to verify the C-14 concentration reported at Location 39 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00069	Subsurface	Central portion of the SRE. Northwest corner of former Building 4143, next to round 1 Location 69.	Sample to verify the C-14 concentration reported at Location 69 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00072	Subsurface	Southern portion of the SRE. Southeast corner of former Building 4143 footprint, next to round 1 Location 72.	Sample to verify the H-3 concentration reported at Location 72 was a laboratory QC (matrix spike) result and is not actually present in the soil.	H-3
6-00079	Subsurface	Western portion of the SRE. Approximately 35 feet west of former Building 4143 next to round 1 Location 79.	Sample to verify the C-14 concentration reported at Location 79 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00081	Subsurface	South of the SRE Northern Ditch. Approximately 40 feet south of round 1 Location 292 and next to round 1 Location 81.	Sample to verify the H-3 and C-14 concentrations reported at Location 81 were laboratory QC (matrix spike) results and are not actually present in the soil.	H-3, C-14
6-00086	Subsurface	South of the SRE Northern Ditch. Approximately 40 feet south of round 1 Location 297 and next to round 1 Location 86.	Sample to verify the C-14 concentration reported at Location 86 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00096	Subsurface	South of the SRE Northern Ditch. Approximately 20 feet south of round 1 Location 297 and next to round 1 Location 96.	Sample to verify the H-3 concentration reported at Location 96 was a laboratory QC (matrix spike) result and is not actually present in the soil.	H-3
6-00103	Subsurface	South of the SRE Northern Ditch. Approximately 40 feet south of round 1 Location 292 and next to round 1 Location 103.	Sample to verify the H-3 concentration reported at Location 103 was a laboratory QC (matrix spike) result and is not actually present in the soil.	H-3
6-00119	Subsurface	Southern portion of the SRE. Southwest corner of former Building 4143 footprint, next to round 1 Location 119.	Sample to verify the C-14 concentration reported at Location 119 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00128	Subsurface	North of the SRE complex, within the Liquid and Gas Radiological Storage Tank area, next to round 1 Location 128.	Sample to verify the H-3 concentration reported at Location 128 was a laboratory QC (matrix spike) result and is not actually present in the soil.	H-3
6-00130	Subsurface	North of the SRE complex, within the Liquid and Gas Radiological Storage Tank area, next to round 1 Location 30.	Sample to verify the H-3 concentration reported at Location 130 was a laboratory QC (matrix spike) result and is not actually present in the soil.	H-3

Table 1
Summary of Soil Sample Locations
Subarea 6, Round 2

Sample Location	Sample Type	Location Description	Technical Justification	Analytical Suite
6-00138	Subsurface	North of the SRE complex. Approximately 100 feet north of the Liquid and Gas Radiological Storage Tank area, next to round 1 Location 138.	Sample to verify the H-3 concentration reported at Location 138 was a laboratory QC (matrix spike) result and is not actually present in the soil.	H-3
6-00142	Surface	North of the SRE complex, within the Liquid and Gas Radiological Storage Tank area, next to round 1 Location 142.	Sample to verify the C-14 concentration reported at Location 142 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00149	Surface	North of the SRE complex, within the Liquid and Gas Radiological Storage Tank area, next to round 1 Location 149.	Sample to verify the H-3 and C-14 concentrations reported at Location 149 were laboratory QC (matrix spike) results and are not actually present in the soil.	H-3, C-14
6-00150	Subsurface	North of the SRE complex, within the Liquid and Gas Radiological Storage Tank area, next to round 1 Location 150.	Sample to verify the C-14 concentration reported at Location 150 was a laboratory QC (matrix spike) result and is not actually present in the soil.	C-14
6-00293	Surface	North of the SRE complex, within the Liquid and Gas Radiological Storage Tank area, next to round 1 Location 293.	Sample to verify the H-3 concentration reported at Location 293 was a laboratory QC (matrix spike) result and is not actually present in the soil.	H-3

Notes:

- C-14 - carbon-14
- Co - cobalt
- Cs - cesium
- H-3 - tritium
- KEWB - Kinetics Experiment Water Boiler
- Np - neptunium
- pCi/g - picocuries per gram
- Pu - plutonium
- QC - quality control
- Sr - strontium
- SRE - Sodium Reactor Experiment

ATTACHMENT 2

- Figure 1 Round 1 Sample Locations
- Figure 2 Liquid and Gas Radiological Storage Tank Area Step-out Plan
- Figure 3 SRE Northern Ditch Step-out Plan
- Figure 4 Cooling Tower, SRE Pond and Hot Oil Sodium Wash Step-out Plan
- Figure 5 SRE and Former Building 4003 Step-out Plan
- Figure 6 Fuel Storage Area Step-out Plan
- Figure 7 New Conservation Yard Step-out Plan
- Figure 8 Old Conservation Yard Step-out Plan
- Figure 9 Southern Drainage Step-out Plan

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Figure 1
Round 1 Sample Locations
Subarea 6, Round 2
Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
 - Round 1 Sample Location**
 - Drainage
 - Subsurface
 - Surface Subsurface
 - Existing Building
 - Demolished Building
 - Subareas
 - Figure Inset
- Note:**
RTL - Radiological trigger level

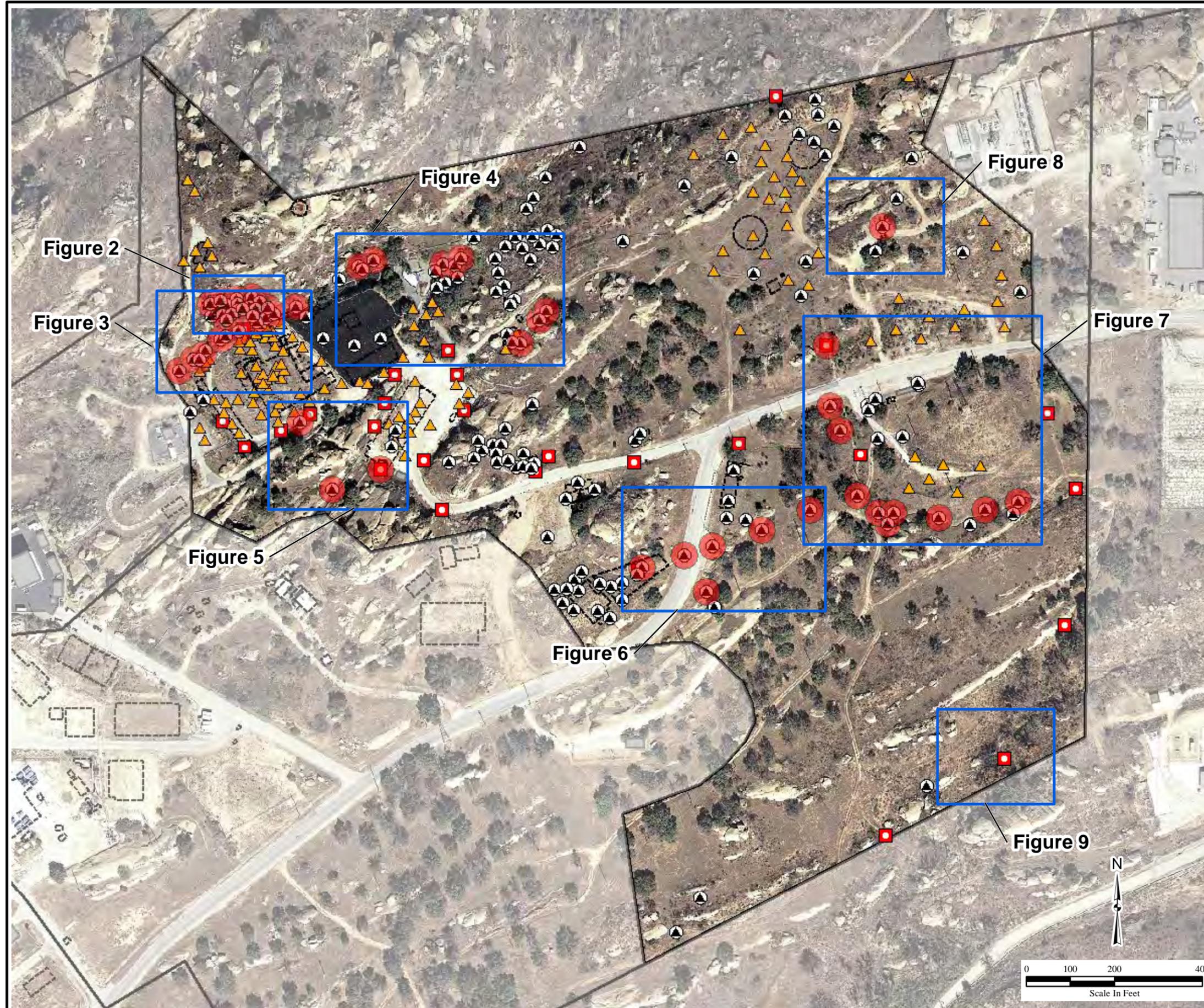


Figure 2 Liquid and Gas Radiological Storage Tank Area Step-Out Plan Subarea 6, Round 2 Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
- Round 2 Step-out Sample Location**
- ⊕ Surface
- ⊕ Surface Subsurface
- ▲ Subsurface
- Round 1 Sample Location**
- ▲ Subsurface
- ▲ Surface Subsurface
- Geophysical Anomalies**
- ⊕ Magnetometer
- Ground Penetrating Radar
- Magnetometer
- Terrain Conductivity
- ▨ Ground Penetrating Radar
- ▨ Magnetometer
- ▨ Terrain Conductivity
- Magnetometer Anomaly Area
- Likely Remediation Zones**
- ▨ Chemical
- ▨ Decontamination and Decommissioning
- Demolished Building
- Subareas
- 145 Location ID

Gamma Total Count (counts per second)

13000 14800 16600 18400

Notes:
 RTL - Radiological trigger level
 ft - Feet
 ID - Identification
 All units reported in picocuries per gram

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 Source:HGL 2010, CIRGIS 2007

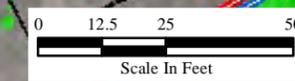
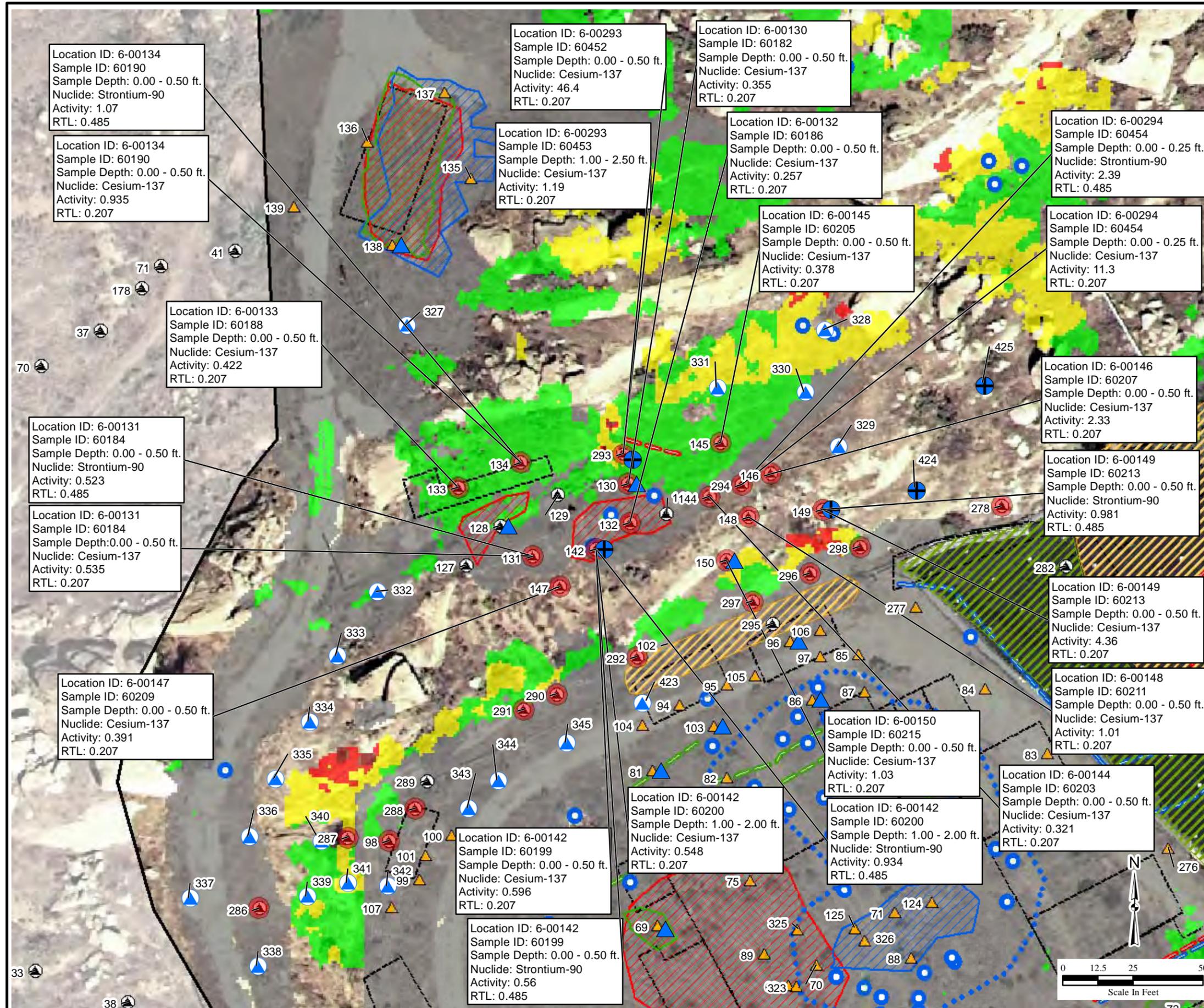


Figure 3 SRE Northern Ditch Step-out Plan Subarea 6, Round 2 Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
 - Round 2 Step-out Sample Location**
 - ⊕ Surface
 - ▲ Surface Subsurface
 - ▲ Subsurface
 - Round 1 Sample Location**
 - Drainage
 - ▲ Subsurface
 - ▲ Surface Subsurface
 - Geophysical Anomalies**
 - Magnetometer
 - Ground Penetrating Radar
 - Terrain Conductivity
 - ▨ Ground Penetrating Radar
 - ▨ Magnetometer
 - ▨ Terrain Conductivity
 - Magnetometer Anomaly Area
 - Likely Remediation Zones**
 - ▨ Chemical
 - ▨ Decontamination and Decommissioning
 - Demolished Building
 - Subareas
 - 145 Location ID
- Gamma Total Count (counts per second)**
- | | | | |
|-------|-------|-------|-------|
| 13000 | 14800 | 16600 | 18400 |
|-------|-------|-------|-------|

Notes:
 RTL - Radiological trigger level
 ft - Feet
 ID - Identification
 All units reported in picocuries per gram

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 Source:HGL 2010, CIRGIS 2007

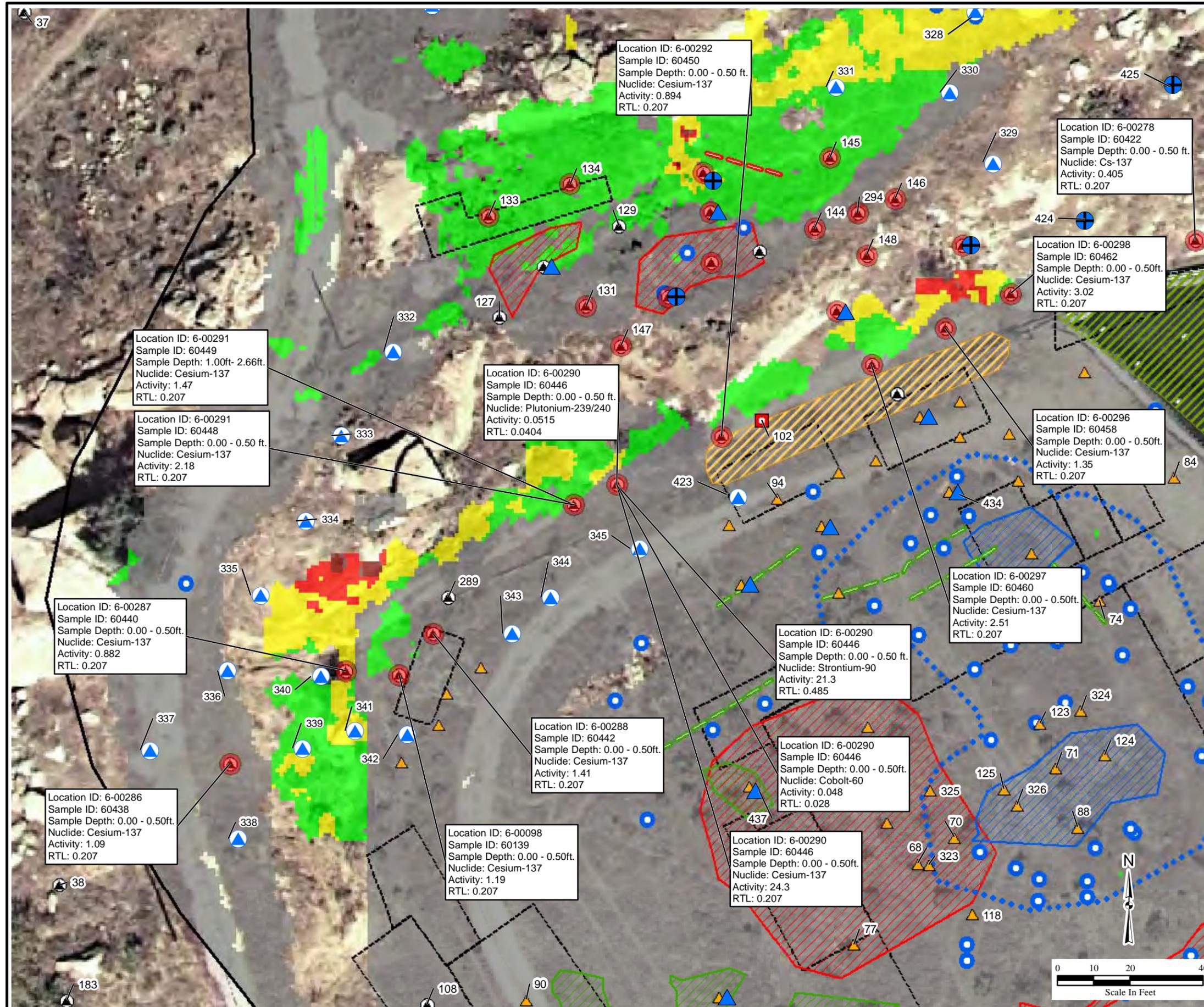


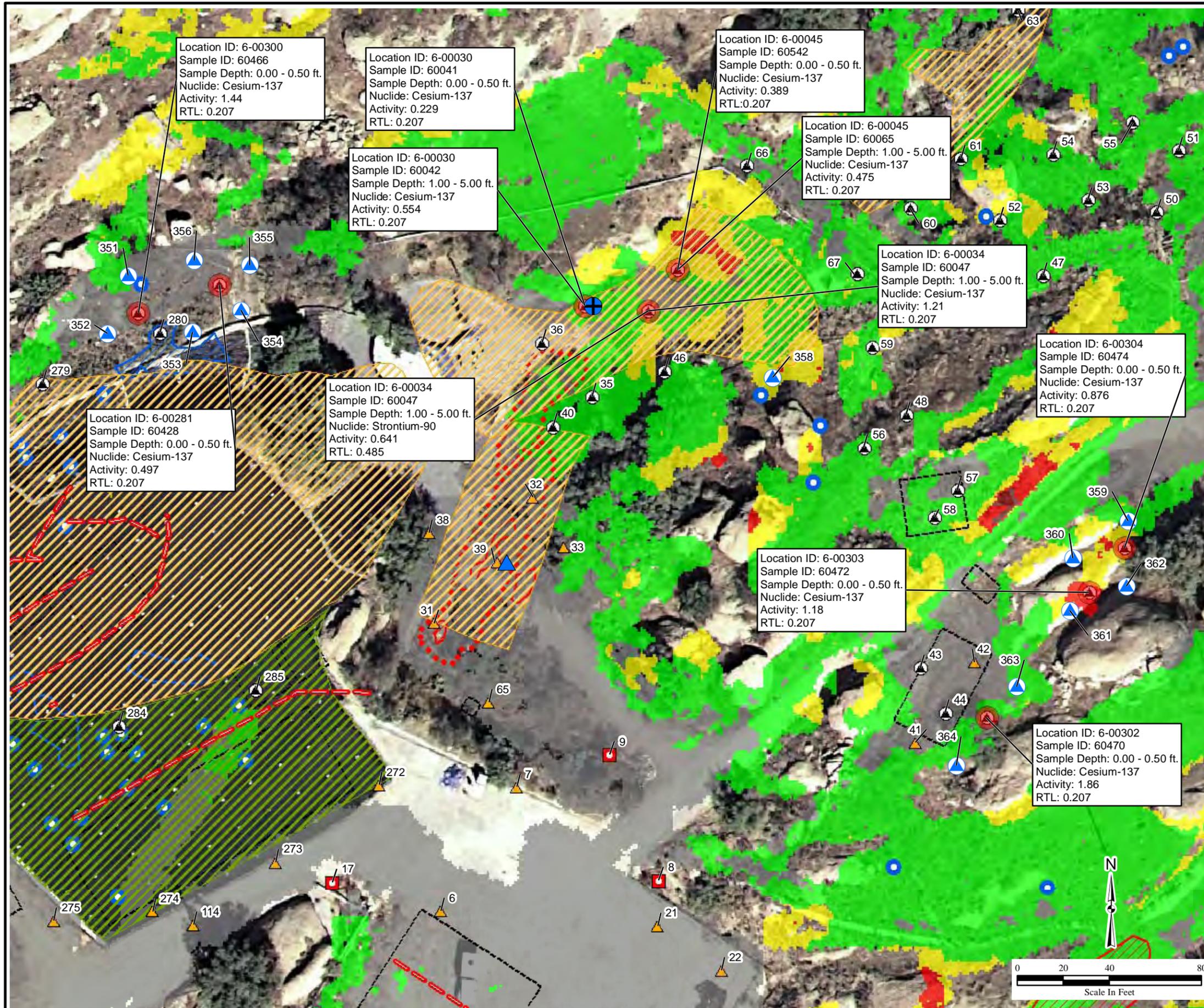
Figure 4
Cooling Tower, SRE Pond and Hot Oil Sodium Wash Step-out Plan
Subarea 6, Round 2
Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
- Round 2 Step-out Sample Location**
- ⊕ Surface
- ▲ Surface Subsurface
- ▲ Subsurface
- Round 1 Sample Location**
- Drainage
- ▲ Subsurface
- ▲ Surface Subsurface
- Geophysical Anomalies**
- Magnetometer
- Terrain Conductivity
- ▨ Magnetometer
- ▨ Terrain Conductivity
- Terrain Conductivity Fill
- Likely Remediation Zones**
- ▨ Chemical
- ▨ Decontamination and Decommissioning
- Demolished Building
- 145 Location ID
- Gamma Total Count (counts per second)**
- 13000 14800 16600 18400
- Notes:**
- RTL - Radiological trigger level
- ft - Feet
- ID - Identification
- All units reported in picocuries per gram



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 Source:HGL 2010, CIRGIS 2007

Figure 5
SRE and Former Building 4003
Step-out Plan
Subarea 6, Round 2
Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
 - Round 2 Step-out Sample Location**
 - ▲ Drainage Subsurface
 - Surface Subsurface
 - ▲ Subsurface
 - Round 1 Sample Location**
 - Drainage
 - ▲ Subsurface
 - ▲ Surface Subsurface
 - Geophysical Anomalies**
 - Magnetometer
 - Terrain Conductivity
 - Ground Penetrating Radar
 - Magnetometer
 - Terrain Conductivity
 - ▨ Ground Penetrating Radar
 - ▨ Magnetometer
 - Magnetometer Anomaly Area
 - ▨ Terrain Conductivity
 - Likely Remediation Zones**
 - ▨ Chemical
 - ▨ Decontamination and Decommissioning
 - Demolished Building
 - 145 Location ID
 - Gamma Total Count (counts per second)**
- | | | | |
|-------|-------|-------|-------|
| 13000 | 14800 | 16600 | 18400 |
|-------|-------|-------|-------|
- Notes:**
 RTL - Radiological trigger level
 ft - Feet
 ID - Identification
 All units reported in picocuries per gram

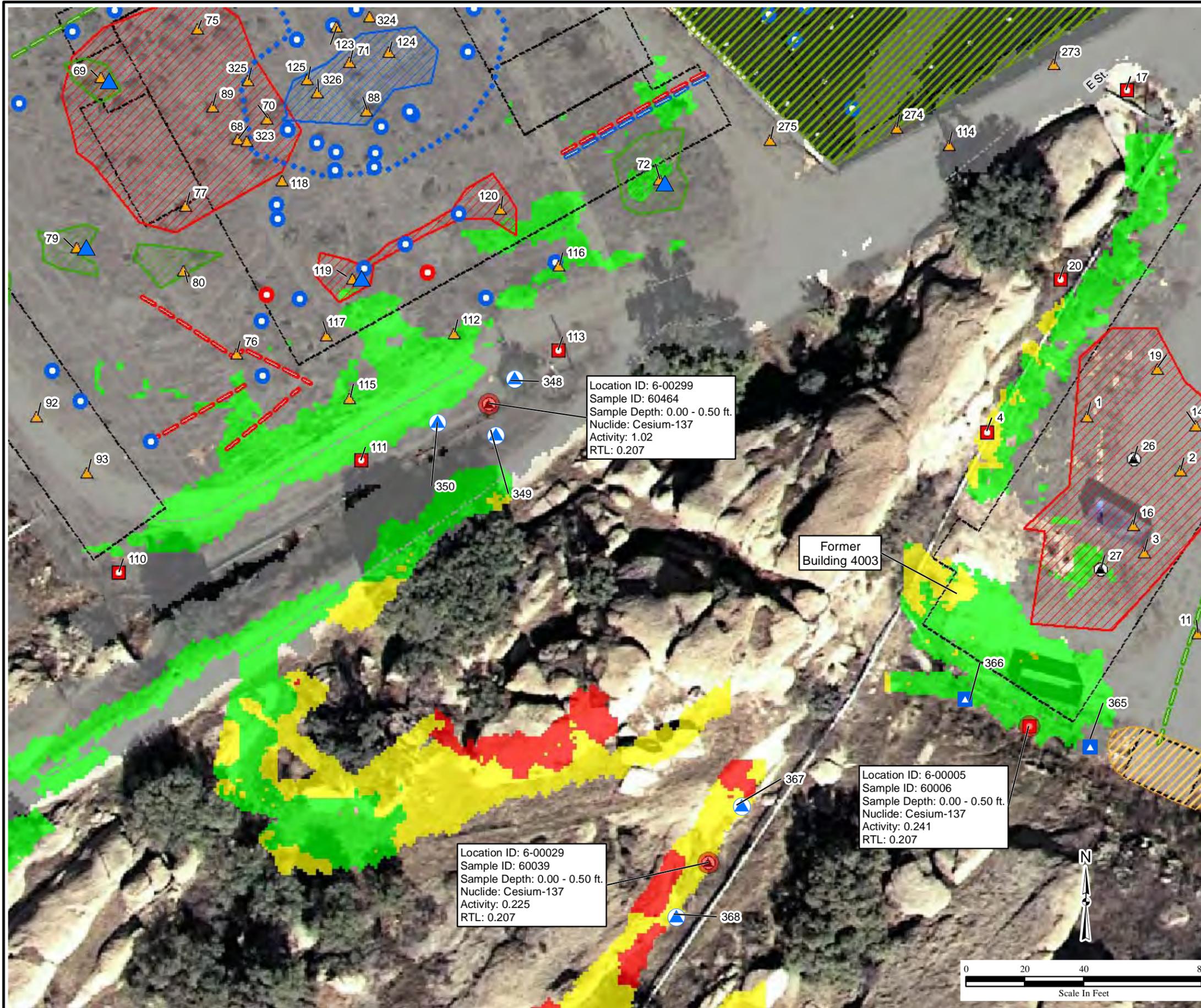


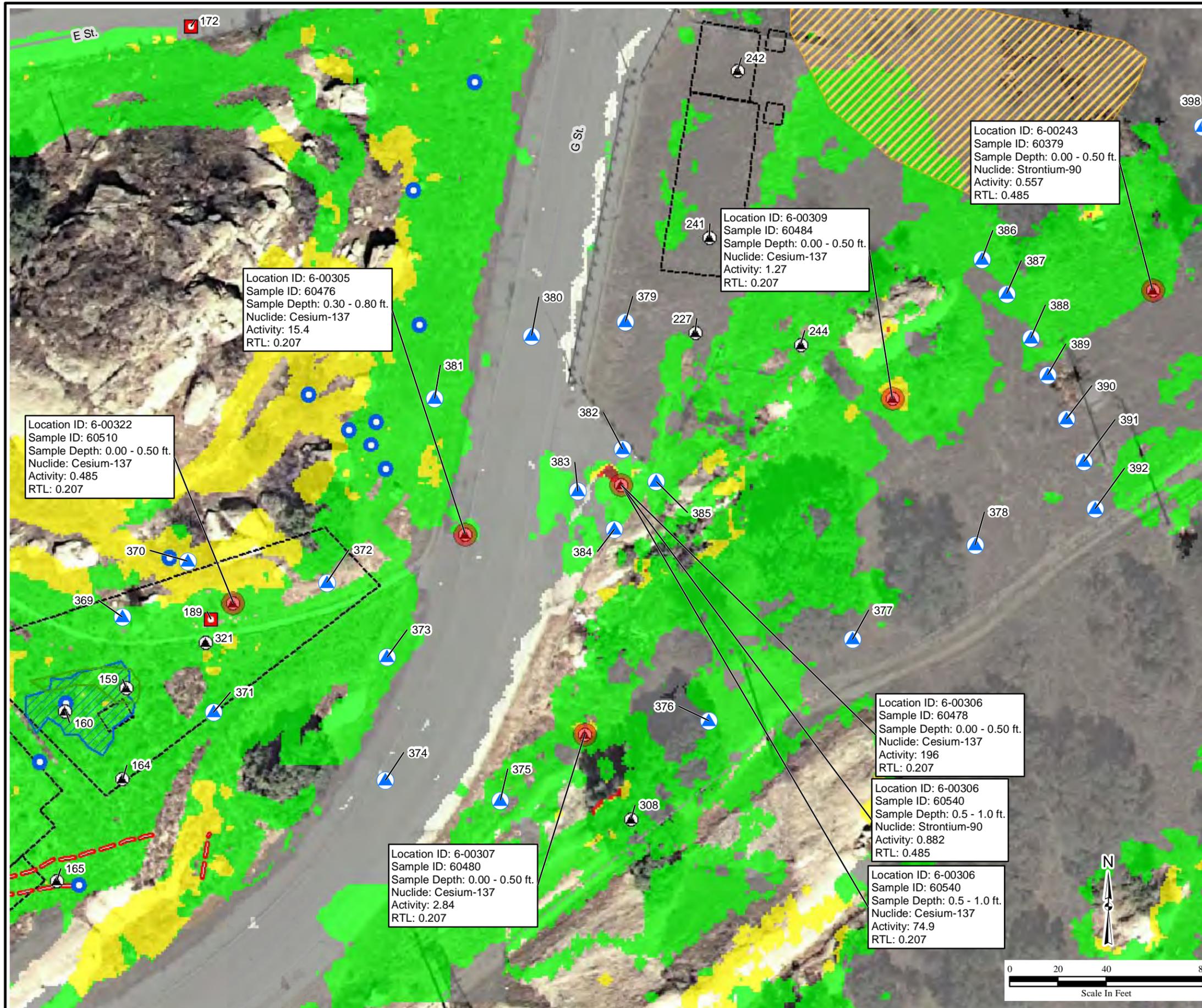
Figure 6
Fuel Storage Area Step-out Plan
Subarea 6, Round 2
Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
- Round 2 Step-out Sample Location**
- ▲ Surface Subsurface
- Round 1 Sample Location**
- Drainage
- ▲ Surface Subsurface
- Geophysical Anomalies**
- Magnetometer
- Terrain Conductivity
- Ground Penetrating Radar
- Magnetometer
- Likely Remediation Zones**
- Chemical
- Demolished Building
- Subareas
- 145 Location ID
- Gamma Total Count (counts per second)**
-
- 13000 14800 16600 18400
- Notes:**
- RTL - Radiological trigger level
- ft - Feet
- ID - Identification
- All units reported in picocuries per gram



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 Source:HGL 2010, CIRGIS 2007

Figure 7 New Conservation Yard Step-out Plan Subarea 6, Round 2 Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
 - Round 2 Step-out Sample Location**
 - ▲ Surface Subsurface
 - Round 1 Sample Location**
 - Drainage
 - ▲ Subsurface
 - ▲ Surface Subsurface
 - Geophysical Anomalies**
 - Point Source Magnetometer Anomaly
 - Ground Penetrating Radar
 - Magnetometer
 - Terrain Conductivity
 - ▨ Ground Penetrating Radar
 - ▨ Terrain Conductivity
 - Terrain Conductivity Fill
 - Likely Remediation Zones**
 - ▨ Chemical
 - Subareas
 - 145 Location ID
- Gamma Total Count (counts per second)**
- | | | | |
|-------|-------|-------|-------|
| 13000 | 14800 | 16600 | 18400 |
|-------|-------|-------|-------|

Notes:
 RTL - Radiological trigger level
 ft - Feet
 ID - Identification
 All units reported in picocuries per gram

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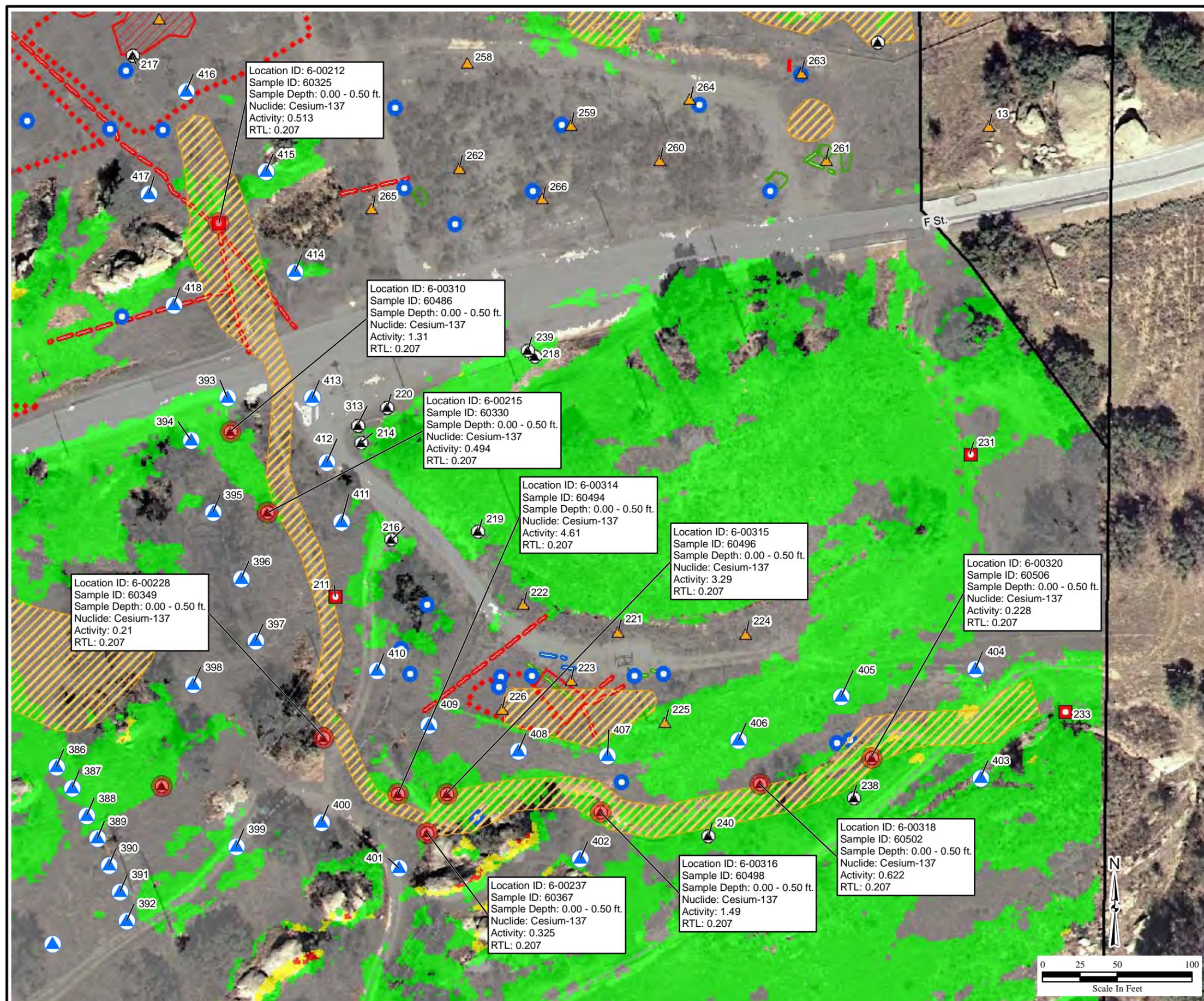


Figure 8
Old Conservation Yard Step-out Plan
Subarea 6, Round 2
Santa Susana Field Laboratory

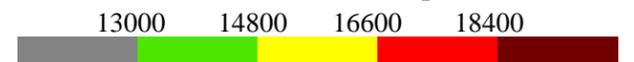
U.S. EPA Region 9



Legend

- Exceed RTLs
- Round 2 Step-out Sample Location**
- ▲ Surface Subsurface
- Round 1 Sample Location**
- ▲ Subsurface
- ▲ Surface Subsurface
- Geophysical Anomalies**
- Magnetometer
- Terrain Conductivity
- Terrain Conductivity Fill
- Likely Remediation Zones**
- Chemical
- Subareas
- 145 Location ID

Gamma Total Count (counts per second)



Notes:
RTL - Radiological trigger level
ft - Feet
ID - Identification
All units reported in picocuries per gram

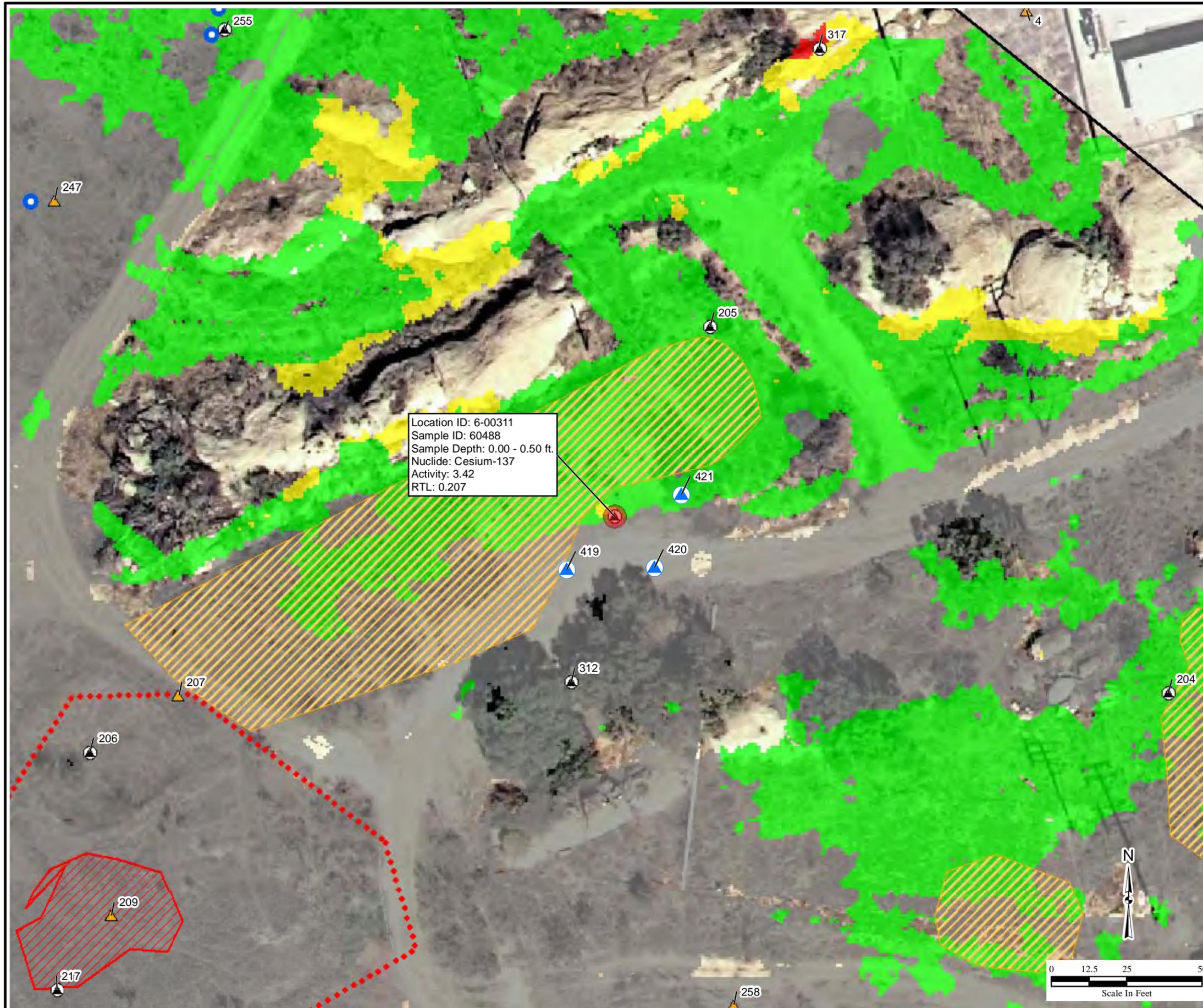


Figure 9
Southern Drainage Step-out Plan
Subarea 6, Round 2
Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

Round 2 Step-out Sample Location

Drainage Subsurface

Round 1 Sample Location

Drainage

Subareas

145 Location Identification

Gamma Total Count (counts per second)

13000 14800 16600 18400

