



U. S. Department of Energy
Energy Technology Engineering Center
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July 31, 2014

Ms. Laura Rainey, P.G.
DOE SSFL Project Manager
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630

Subject: Bird Nest Location Rationale/PRA Schedule

Dear Laura:

The attached Table 1, "Remaining Sampling Locations Within Bird Nesting Areas, Final Phase 3 Data Gap Analysis" with supporting documents, Figure 1: "SV Locations in Bird Nesting Area" and Figure 2: "5D Field Geophysical Survey Results" describe rationale for deferring locations that were within bird nesting areas.

The Department of Energy requests deferral on implementing the 6 soil vapor probe locations in Subarea 5A and 3 test/pit trenching locations in Subarea 5D until the remedial phase.

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Sincerely,

A handwritten signature in blue ink, which appears to read "Stephanie Jennings", is written over a horizontal line.

Stephie Jennings
Deputy Federal Project Director
U.S. Department of Energy

cc: Mr. John Jones, DOE
Mr. Buck King, DTSC
Mr. Roger Paulson, DTSC
Mr. Richard Hume, DTSC
Mr. Mark Malinowski, DTSC
Mr. David Dassler, Boeing
Mr. John Wondolleck, CDM Smith
Ms. Dixie Hambrick, MWH

Table 1
Remaining Sampling Locations within Bird Nesting Areas
Final Phase 3 Data Gap Analysis

Location ID	Sample Type	Area	Location Description	Depth (feet bgs)	Rationale for Implementation	Rationale for Deferring Locations that were within Bird Nesting Areas
Soil Vapor Sampling Locations						
5ASV_DG-549	SV Probe/Soil Boring	PDU	Drainage Along G Street, East of Open Storage / Parking Area	<5' Encores	Location is within PRA, not above GW plume, and no/limited VOC data nearby; selected for screening since in drainage	Location does not target potential groundwater input location and is not above a groundwater plume. Recently collected SV results in adjacent areas are ND.
5ASV_DG-573	SV Probe/Soil Boring	B4641 Area	Drainage at Intersection of 12th and G Street	<5' Encores	Location is within PRA, not above GW plume and no VOC data nearby; representative location selected in drainage collection point	Location does not target potential groundwater input location and is not above a groundwater plume. Recently collected SV results in adjacent areas are ND.
5ASV_DG-589	SV Probe	B4029 Area	Northeast of Open Storage Area Along G Street	~10' 1 to 2 probes	Location is not within a PRA, not above GW plume, and no/limited VOC data, selected since near near sewer pipeline	Location is not within an operational area, and not above a groundwater plume. Recently collected SV results in adjacent areas are ND or less than screening levels.
5ASV_DG-590	SV Probe	B4029 Area	South of Open Storage Area Along G Street	~5' 1 probe or encores	Location is not within a PRA, not above GW plume, and nearby VOC results are ND; selected as representative location since near near sewer pipeline.	Location is not within an operational area, and not above a groundwater plume. Recently collected SV results in adjacent areas are ND.
5ASV_DG-602	SV Probe	B4029 Area	Northeast of Clearly Contaminated Area (Eastern Hummocky Area)	5-10' 1 to 2 probes	Location is not within a PRA, not above GW plume, and no VOC data; this location selected since near road intersections.	Location is not within an operational area, and not above a groundwater plume. Recently collected SV results in adjacent areas are ND or less than screening levels.
5ASV_DG-606	SV Probe	B4029 Area	Northeast of Open Storage Area Along G Street	10-15' 2 to 3 probes	Location is not within a PRA, not above GW plume, no VOC data; this location selected since near road.	Location is not within an operational area, and not above a groundwater plume. Recently collected SV results in adjacent areas are less than screening levels.
Trench/Test Pit Locations						
5D_DG-615	Test Pit	B4353 Area	South of B4353	--	Conduct geophysical survey to evaluate potential leach field location identified during historical interviews. Excavate exploratory trenches and sample if warranted based on survey results and trench observations.	Geophysical survey results indicate potential for leach field in this location is unlikely. Delay in completing characterization is not warranted based on small potential leach field footprint, and uncertainty can be carried forward into the remedial planning phase. PRA information will include the presence of a potential leach field and indicate localized deeper confirmation sampling could be required.
5D_DG-616	Test Pit	B4353 Area	South of B4353	--	Conduct geophysical survey to evaluate potential leach field location identified during historical interviews. Excavate exploratory trenches and sample if warranted based on survey results and trench observations.	Geophysical survey results indicate potential for leach field in this location is unlikely. Delay in completing characterization is not warranted based on small potential leach field footprint, and uncertainty can be carried forward into the remedial planning phase. PRA information will include the presence of a potential leach field and indicate localized deeper confirmation sampling could be required.
5D_DG-617	Test Pit	B4353 Area	South of B4353	--	Conduct geophysical survey to evaluate potential leach field location identified during historical interviews. Excavate exploratory trenches and sample if warranted based on survey results and trench observations.	Based on geophysical survey, potential footprint of area where leach field could be present is small (20'x10') and is within an identified Preliminary Remediation Area (PRA). Delay in completing characterization is not warranted based on small potential leach field footprint, and uncertainty can be carried forward into the remedial planning phase. PRA information will include the presence of a potential leach field and indicate localized deeper confirmation sampling could be required.

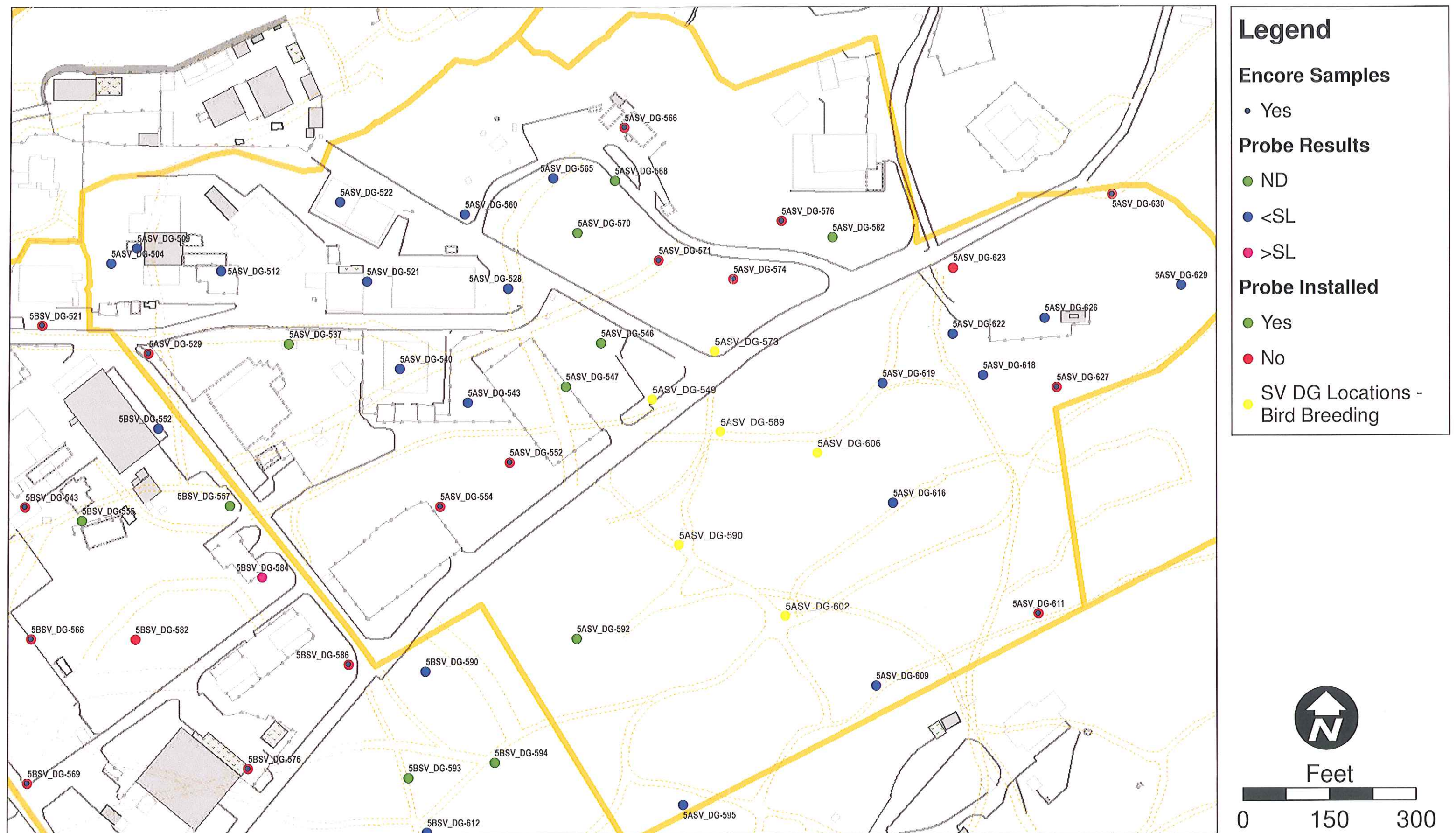


Figure 1. SV Locations in Bird Nesting Area

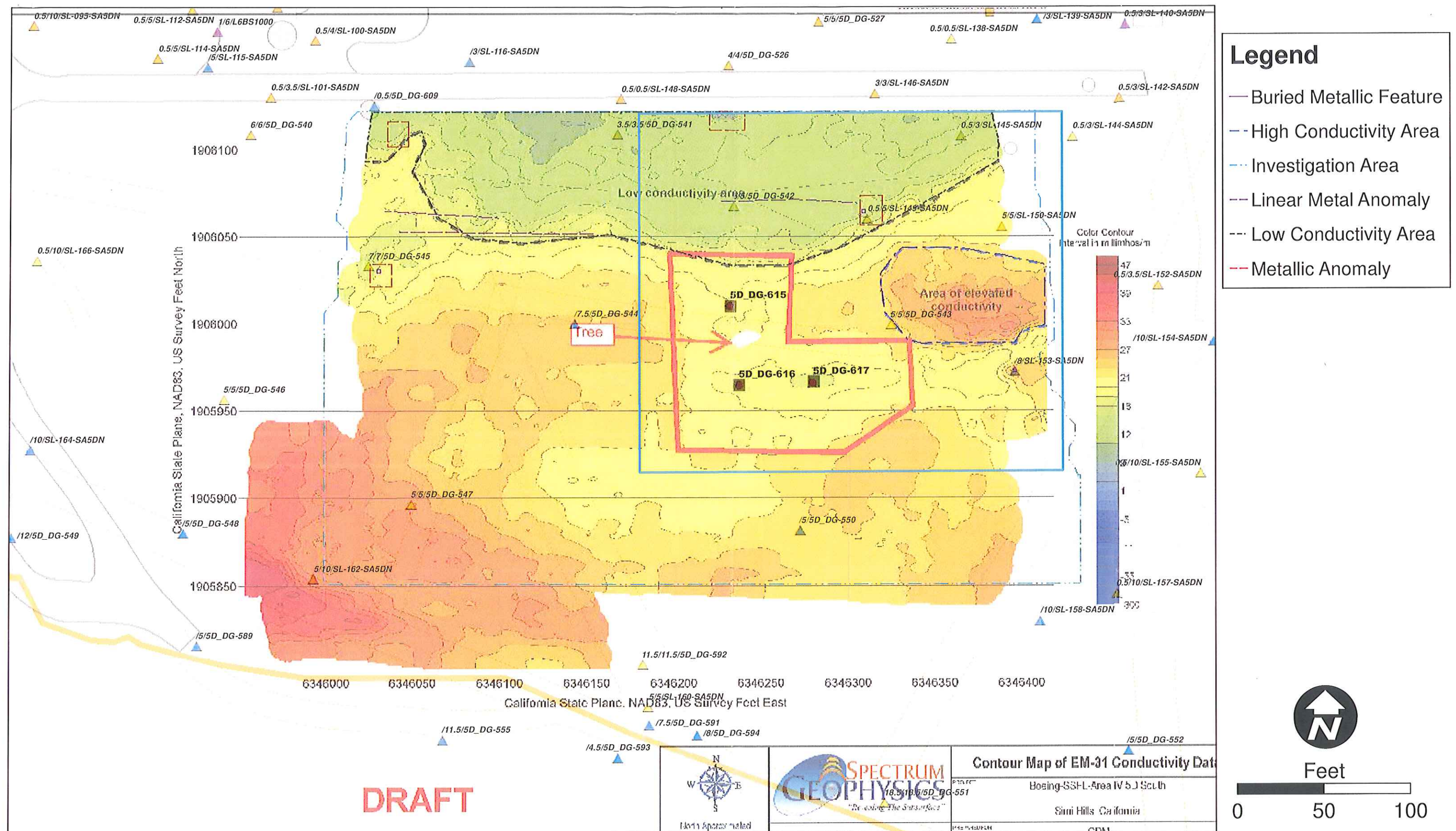


Figure 2. 5D Field Geophysical Survey Results