

**Data Box Information**

All Result(s) Less than or equal to SRGs

ILBS0307	Result X SRG
ISRA COCs	<= SRG
RCRA R.D.s	>SL

Result and Comparison to SRG

Result(s) Greater than SRGs

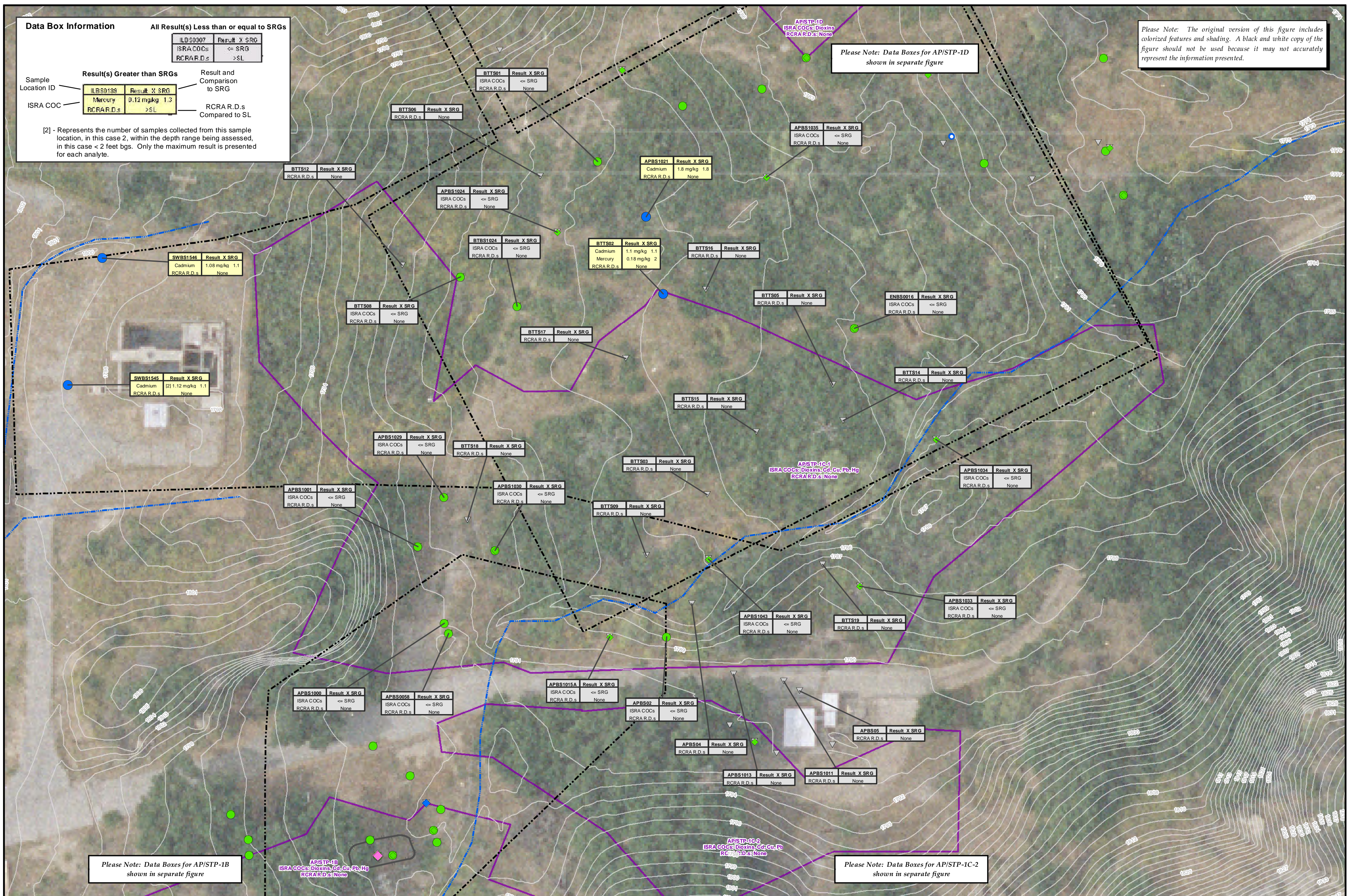
ILBS0138	Result X SRG
Mercury	0.12 mg/kg 1.3
RCRA R.D.s	>SL

RCRA R.D.s Compared to SL

[2] - Represents the number of samples collected from this sample location, in this case 2, within the depth range being assessed, in this case < 2 feet bgs. Only the maximum result is presented for each analyte.

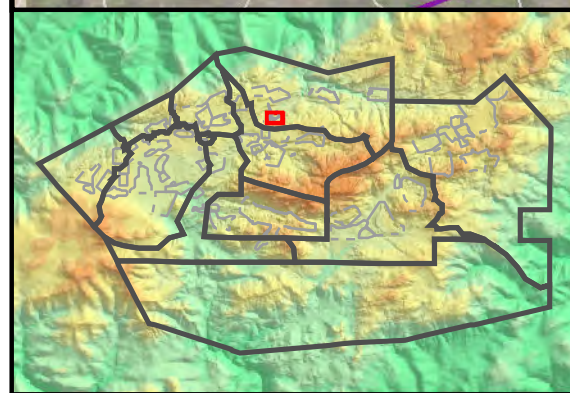
Please Note: The original version of this figure includes colorized features and shading. A black and white copy of the figure should not be used because it may not accurately represent the information presented.

Please Note: Data Boxes for AP/STP-1D shown in separate figure



Please Note: Data Boxes for AP/STP-1B shown in separate figure

Please Note: Data Boxes for AP/STP-1C-2 shown in separate figure



**Base Map Legend**

- Administrative Area Boundary
- RFI Site Boundary
- Report Group Boundary
- Drainage
- Non Jurisdictional Surface Water Pathway
- Surface Water Divide
- Previous Excavation Area
- Elevation Contour

**Figure Legend**

- ISRA Planned Excavation
- Near Surface Well
- Chatsworth Well

**ISRA Constituents of Concern**  
Cadmium, Copper, Lead, Mercury, Dioxin

**Soil Remediation Goals (SRGs)**  
Cadmium: 1 mg/kg  
Copper: 29 mg/kg  
Lead: 34 mg/kg  
Mercury: 0.09 mg/kg  
Dioxin: 3.0 pg/g

**RCRA R.D.s = RCRA Risk Drivers**  
SL = Screening Level

**Notes:**  
1. Dioxin represents the sum of 17 dioxin/furan congener results adjusted for toxicity, normalized to 2,3,7,8-TCDD-TEQ.  
2. Cadmium, copper, lead, and mercury SRG is equal to the 2005 background comparison concentration, and SRG for dioxin is approximately 3 times the 2005 background comparison concentration.  
3. Screening level for RCRA risk drivers is the lower of the Ecological or Residential Risk-Based Screening Level. All RCRA risk drivers identified on this figure are evaluated at each sample location shown.  
4. Aerial imagery and topographic contours from Sage, 2010. Aerial imagery was collected June 2, 2010, and represents pre-excavation conditions. Topographic contours represent pre-excavation conditions.

**Chemical Data Legend**

**Cadmium, Copper, Lead, and/or Mercury Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 10x SRG

**Dioxin Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 10x SRG

**Sample Not Analyzed for ISRA COCs**

- > SL for one or more RCRA R.D.s
- <= SL for all RCRA R.D.s
- Not analyzed for RCRA R.D.s

**Outfall 009 - ISRA Area AP/STP-1C-1**  
**Pre-Excavation Sample Results**  
**Subsurface Soils (2 - 10 feet bgs)**  
**SANTA SUSANA FIELD LABORATORY**

Path: T:\project\rock3\ISRA\Figures\NASA\AP-STP-1C-1\APSTP-1C-1\_PreExcav\_Deep.mxd Date: 12/18/2013

1 inch = 25 feet

0 25 50 Feet

**MWH**

**Figure E-3.2**

**TABLE E-3.1**  
**AP/STP-1C-1 PRE-EXCAVATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION**  
**THE BOEING COMPANY**  
**SANTA SUSANA FIELD LABORATORY**

Table E-3.1

Group					Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Dioxins		
Preferred Analyte					Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	TCDD TEQ	
Result Value Units					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pg/g
Background					8.7	15	140	1.1	1	36.8	21	29	34	0.09	5.3	29	0.655	0.79	0.46	62	110	0.87	
ISRA SRG					--	--	--	--	1	--	--	29	34	0.09	--	--	--	--	--	--	--	3	
CMS					0.77	--	--	--	--	--	--	8.2	--	0.88	--	15	--	96	--	--	26	--	
Lowest Characterization RBSL					0.095	0.095	15	5.1	0.021	930	8.9	1.1	0.063	0.1	0.11	0.1	0.17	0.54	2.9	1.5	21	4.27	
RBSL Type					ECO	RES	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Collection Date	Sample Depth (feet bgs)	ISRA Area	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
APBS0007	APBS0007S01	12/13/2006	0.0-0.5	AP/STP-1C-1	<1.1 J	3.6	120	0.5	0.37	27	5.4	11 J	8.5	0.019 J	0.5	12	0.24	16	0.29 J	30	66	1.03	
APBS0007	APBS0007D01	12/13/2006	0.0-0.5	AP/STP-1C-1	<1.1 J	4	130	0.54	0.31	27	5.8	11 J	8.5	0.014 J	0.6	13	0.27	12	0.41 J	31	68	0.982	
APBS0008	APBS0008S01	12/13/2006	0.0-0.5	AP/STP-1C-1	--	--	87	--	--	--	--	--	--	--	--	--	--	<0.056	--	--	--	--	
APBS0009	APBS0009S01	12/13/2006	0.0-0.5	AP/STP-1C-1	--	--	45	--	--	--	--	--	--	--	--	--	--	<0.053	--	--	--	4.21	
APBS0010	APBS0010S01	12/13/2006	0.0-0.5	AP/STP-1C-1	--	--	59	--	--	--	--	--	--	--	--	--	--	<0.055	--	--	--	--	
APBS0011	APBS0011S01	12/13/2006	0.0-0.5	AP/STP-1C-1	--	--	69	--	--	--	--	--	--	--	--	--	--	<0.054	--	--	--	--	
APBS0045	APBS0045S01	12/14/2006	0.0-0.5	AP/STP-1C-1	0.46 J	4.5	130	0.47	0.52	28	6	17 J	95	0.033 J	0.63	15	0.23	9.7	0.25 J	32 J	120 J	--	
APBS0058	APBS0058S01	2/27/2007	0.5-1.0	AP/STP-1C-1	0.35 J	3.9	74	0.37	1.1	270	6.4	20 J	41 J	0.097	3.9	180 J	0.27 J	4.7	0.25	20	62 J	--	
APBS0058	APBS0058S02	2/27/2007	4.5-5.0	AP/STP-1C-1	--	3.2	97 J	0.45	0.17	20	5.2	9.9 J	6	--	0.54	14	0.22	0.057	0.4	29	50 J	--	
APBS02	RS644	1/23/1998	4.0-4.0	AP/STP-1C-1	<11 J	<6	120 J	<0.6	<1	43	4	11	9	<0.2	<11	10	<6	73	<6	34	57 J	--	
APBS04	RS756	4/9/1998	2.0-2.0	AP/STP-1C-1	--	--	84 J	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	
APBS1000	APBS1000S01	6/3/2008	0.0-1.0	AP/STP-1C-1	<1.59	4.4	151 J	0.46	1.3 J	22.4 J	6.3	17.9 J	16	0.0064 J	0.54	24.4	<0.523	13.7	0.26	31.4 J	89.9 J	--	
APBS1000	APBS1000S02	6/3/2008	5.0-6.0	AP/STP-1C-1	<0.323	3.3	111 J	0.52	0.37	21.1	5.6	10.9 J	7.9	0.0047 J	0.45	13.8	<0.538	0.29	0.28	34.3 J	66 J	--	
APBS1001	APBS1001S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	1.33	--	--	--	38.2	0.302	--	--	--	--	--	--	--	9.55	
APBS1001	APBS1001S01	6/3/2008	3.5-4.5	AP/STP-1C-1	<0.324	3	106 J	0.5	0.32 J	16.4	4.9	9.3 J	6.1	<0.00156	0.47	10.1	<0.5	0.086 J	0.27	27.1 J	66.8 J	--	
APBS1015	APBS1015S01	6/2/2008	0.5-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.75	
APBS1015A	APBS1015AS001	3/31/2009	4.5-5.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.160	
APBS1016	APBS1016S01	6/3/2008	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.357	
APBS1028	APBS1028S001	4/1/2009	0.0-0.4	AP/STP-1C-1	--	--	--	--	1.62	--	--	--	28.1	0.116	--	--	--	--	--	--	--	--	
APBS1029	APBS1029S001	3/31/2009	0.0-0.5	AP/STP-1C-1	--	--	--	--	3.42	--	--	--	115	0.399	--	--	--	--	--	--	--	--	
APBS1029	APBS1029S002	3/31/2009	4.5-5.0	AP/STP-1C-1	--	--	--	--	0.0324 J	--	--	--	4.8	0.00672	--	--	--	--	--	--	--	--	
APBS1030	APBS1030S001	4/1/2009	0.0-0.5	AP/STP-1C-1	--	--	--	--	0.916	--	--	--	26.9	0.0659	--	--	--	--	--	--	--	2.16	
APBS1030	APBS1030S002	4/1/2009	4.3-4.8	AP/STP-1C-1	--	--	--	--	0.369	--	--	--	7.32	0.00786	--	--	--	--	--	--	--	1.14	
APBS1031	APBS1031S001	3/31/2009	0.0-0.1	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.95	
APBS1033	APBS1033S001	3/31/2009	0.0-0.1	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.8	
APBS1033	APBS1033S002	3/31/2009	4.5-5.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.192	
APBS1034	APBS1034S001	3/31/2009	0.0-0.1	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.44	
APBS1034	APBS1034S002	3/31/2009	4.5-5.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.676	
APBS1043	APBS1043S001	4/1/2009	4.5-5.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	
APBS1048	APBS1048AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	18.1	--	--	--	--	--	--	--	--	--	--	--	
APBS1048	APBS1048S001	6/17/2009	0.0-1.0	AP/STP-1C-1	--	--	--	--	0.204 J	--	--	--	9.2	0.027	--	--	--	--	--	--	--	--	
APBS1048	APBS1048S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.748	
APBS1049	APBS1049S001	6/17/2009	0.0-0.0	AP/STP-1C-1	--	--	--	--	0.747	--	--	--	10.3	0.192	--	--	--	--	--	--	--	3.65	
APBS1050	APBS1050S001	6/17/2009	0.0-0.0	AP/STP-1C-1	--	--	--	--	0.299	--	--	--	9.84	0.0216	--	--	--	--	--	--	--	4.07	
APBS1063	APBS1063S001	6/17/2009	0.0-0.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.52	
APBS1070	APBS1070S001	8/25/2009	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.09	
APBS1076	APBS1076AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	0.635	--	--	15	--	0.0443 J	--	--	--	--	--	--	--	--	
APBS1076	APBS1076S001	8/25/2009	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.995	
APBS1080	APBS1080S001	8/25/2009	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.165	
APBS1088	APBS1088AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	0.623	--	--	10.3	--	0.0127 J	--	--	--	--	--	--	--	--	
APBS1088	APBS1088S001	2/8/2010	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0818	
APBS1117	APBS1117AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	16.4	--	--	--	--	--	--	--	--	2.57	
APBS1117	APBS1117S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	0.126 J	--	--	--	--	0.0206	--	--	--	--	--	--	--	--	
APBS1118	APBS1118S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	1.78	--	--	--	--	0.0897	--	--	--	--	--	--	--	--	
APBS1119	APBS1119S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	2.14	--	--	--	--	0.142	--	--	--	--	--	--	--	--	
APBS1120	APBS1120S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.98	

**TABLE E-3.1  
AP/STP-1C-1 PRE-EXCAVATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY**

Group					Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Dioxins		
Preferred Analyte					Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	TCDD TEQ	
Result Value Units					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pg/g
Background					8.7	15	140	1.1	1	36.8	21	29	34	0.09	5.3	29	0.655	0.79	0.46	62	110	0.87	
ISRA SRG					--	--	--	--	1	--	--	29	34	0.09	--	--	--	--	--	--	--	--	3
CMS					0.77	--	--	--	--	--	--	8.2	--	0.88	--	15	--	96	--	--	--	26	--
Lowest Characterization RBSL					0.095	0.095	15	5.1	0.021	930	8.9	1.1	0.063	0.1	0.11	0.1	0.17	0.54	2.9	1.5	21	4.27	
RBSL Type					ECO	RES	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Collection Date	Sample Depth (feet bgs)	ISRA Area	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
APBS1121	APBS1121S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.41	
APBS1122	APBS1122S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.33	
APBS1123	APBS1123S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.3	
APBS1124	APBS1124S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.51	
APBS1125	APBS1125S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.9	
APBS1126	APBS1126S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.90	
APBS1127	APBS1127S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	0.0385	--	--	--	--	--	--	--	--	0.999	
APBS1128	APBS1128AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	1.2	--	--	10.8	--	--	--	--	--	--	--	--	--	--	
APBS1128	APBS1128S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	0.0116	--	--	--	--	--	--	--	--	0.104	
APBS1129	APBS1129S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	0.145	--	--	--	--	--	--	--	--	3.62	
APBS1130	APBS1130S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	0.205	--	--	--	--	--	--	--	--	2.61	
APBS1131	APBS1131S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	0.711	--	--	15.5	0.144	--	--	--	--	--	--	--	--	--	
APBS1132	APBS1132S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	1.27	--	--	31.8	0.0923	--	--	--	--	--	--	--	--	4.32	
APBS1133	APBS1133S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.50	
APBS1134	APBS1134S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	5.03 J	--	--	50.3	0.101	--	--	--	--	--	--	--	--	5.72	
APBS1135	APBS1135S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	1.06	--	--	32.5	0.0577	--	--	--	--	--	--	--	--	8.14	
APBS1136	APBS1136S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	0.35	--	--	23.9	0.0342	--	--	--	--	--	--	--	--	--	
APBS1137	APBS1137S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	0.737	--	--	46.5	0.074	--	--	--	--	--	--	--	--	--	
APBS1139	APBS1139S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.93	
APBS1140	APBS1140S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.0	
APBS1142	APBS1142S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.1	
APBS1143	APBS1143S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.50	
APBS1144	APBS1144S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.89	
APBS1145	APBS1145S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.00	
APBS1146	APBS1146S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.72	
APBS1154	APBS1154S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.15	
APBS1155	APBS1155S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.40	
APBS1156	APBS1156S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.42	
APBS1157	APBS1157S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.228	
APBS1158	APBS1158S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.95	
APBS1159	APBS1159S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.12	
APBS1160	APBS1160S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.06	
APBS1161	APBS1161S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.01	
APBS1162	APBS1162S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.32	
APBS1163	APBS1163S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.76	
APBS1165	APBS1165S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.9	
APBS1166	APBS1166S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.23	
APBS1169	APBS1169AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	38.9	0.0922 J	--	--	--	--	--	--	--	--	4.30	
APBS1169	APBS1169AS001SP	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	46	0.069	--	--	--	--	--	--	--	--	1.16	
APBS1169	APBS1169S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	0.519	--	--	--	--	--	--	--	--	--	--	--	--	--	
APBS1170	APBS1170AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	0.0326 J	--	--	--	--	--	--	--	--	6.09	
APBS1170	APBS1170S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	0.172 J	--	--	7.63	--	--	--	--	--	--	--	--	--	--	
APBS1172	APBS1172AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	0.352	--	--	--	0.0233 J	--	--	--	--	--	--	--	--	2.79	
APBS1172	APBS1172S001	4/22/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	5.04	--	--	--	--	--	--	--	--	--	--	
APBS1182	APBS1182S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.23	
APBS1183	APBS1183S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.83	

**TABLE E-3.1  
AP/STP-1C-1 PRE-EXCAVATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY**

Group					Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Dioxins		
Preferred Analyte					Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	TCDD TEQ	
Result Value Units					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pg/g
Background					8.7	15	140	1.1	1	36.8	21	29	34	0.09	5.3	29	0.655	0.79	0.46	62	110	0.87	
ISRA SRG					--	--	--	--	1	--	--	29	34	0.09	--	--	--	--	--	--	--	3	
CMS					0.77	--	--	--	--	--	--	8.2	--	0.88	--	15	--	96	--	--	26	--	
Lowest Characterization RBSL					0.095	0.095	15	5.1	0.021	930	8.9	1.1	0.063	0.1	0.11	0.1	0.17	0.54	2.9	1.5	21	4.27	
RBSL Type					ECO	RES	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Collection Date	Sample Depth (feet bgs)	ISRA Area	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
APBS1184	APBS1184S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.009	
APBS1185	APBS1185S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.57	
APBS1188	APBS1188S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.21	
APBS1189	APBS1189S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.96	
APBS1190	APBS1190S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.87	
APBS1191	APBS1191S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.04	
APBS1192	APBS1192S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.457	
APBS1193	APBS1193S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.95	
APBS1194	APBS1194S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.33	
APBS1195	APBS1195S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	0.0952 J	--	--	--	--	--	--	--	--	1.06	
APBS1196	APBS1196S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	1.06	--	--	--	0.0652 J	--	--	--	--	--	--	--	--	4.36	
APBS1197	APBS1197S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.65	
APBS1198	APBS1198S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.16	
APBS1199	APBS1199S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.87	
APBS1200	APBS1200S001	4/26/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.10	
APBS1261	APBS1261AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	1.15	--	--	--	0.0696 J	--	--	--	--	--	--	--	--	--	
APBS1261	APBS1261S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.91	
APBS1262	APBS1262AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	0.6	--	--	11.2	0.031 J	--	--	--	--	--	--	--	--	--	
APBS1262	APBS1262S001	4/23/2010	0.0-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.16	
APSS04	APSS04S01	10/28/1997	0.0-0.3	AP/STP-1C-1	<10 J	<5	110	<0.5	<1	14	5	17	24	<0.2	<10	13	<5	5	<5	25	130 J	--	
APSS05	RS542	12/11/1997	0.0-0.0	AP/STP-1C-1	<13 J	<6	260 J	<0.6	<1	21	7	15	28	<0.3	<13	14	<6	34	<6	33	150 J	--	
APSS05	APSS05AS001	4/4/2012	0.0-0.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.8	
APSS07	RS643	1/23/1998	0.0-0.0	AP/STP-1C-1	--	--	230 J	--	--	--	--	--	--	--	--	--	17	--	--	--	--	--	
APTS01	RJ588	9/8/2000	0.5-1.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.46	
APWC0001	APWC0001S001	7/30/2010	0.5-1.0	AP/STP-1C-1	<0.88	4.5	93	0.56	1.4	50	4.5	14	13	0.25	1.1 J	15	1.1 J	69	<0.8	31	72 B	--	
APWC0002	APWC0002S001	7/30/2010	0.0-0.5	AP/STP-1C-1	<0.87	4.6	86	0.59	0.21 J	26	4.7	9.5	7.7	0.019 J	0.88 J	12	<0.99	33	<0.79	34	57 B	--	
APWC0003	APWC0003S001	7/30/2010	1.0-1.5	AP/STP-1C-1	0.88 J	5.2	89	0.63	1.9	55	5.1	39	16	1.4	1.3 J	16	1.4 J	110	<0.79	33	110 B	--	
APWC0004	APWC0004S001	7/30/2010	1.0-1.5	AP/STP-1C-1	<0.88	4.2	96	0.52	3.8	93	4.5	22	16	0.62	1.2 J	15	<1	66	<0.8	28	110 B	--	
APWC0005	APWC0005S001	7/30/2010	0.0-0.5	AP/STP-1C-1	<0.87	4.7	87	0.6	<0.2	20	4.9	9.6	6.4	<0.012	0.67 J	12	1.1 J	1.8	<0.79	32	46 B	--	
APWC0006	APWC0006S001	7/29/2010	0.5-1.0	AP/STP-1C-1	0.92 J	5.1	180	0.33 J	<0.2	16	3.5	7	9.9	0.019 J	0.43 J	9	<0.99	32	<0.79	22	91	--	
APWC0007	APWC0007S001	7/30/2010	0.5-1.0	AP/STP-1C-1	<0.88	5.2	93	0.51	<0.2	18	4.4	12	22	0.05	0.87 J	12	<1	4.1	<0.8	29	84 B	--	
APWC0008	APWC0008S001	7/30/2010	0.0-0.5	AP/STP-1C-1	<0.87	4.5	110	0.52	<0.2	17	4.5	11	13	0.031	0.82 J	11	<0.99	4.2	<0.79	30	72 B	--	
APWC0009	APWC0009S001	7/30/2010	0.5-1.0	AP/STP-1C-1	0.95 J	5.7	170	0.53	0.2 J	21	5.3	11	12	0.03	0.91 J	13	<0.99	22	<0.79	33	100 B	--	
APWC0010	APWC0010S001	7/29/2010	0.5-1.0	AP/STP-1C-1	1.1 J	6.7	680	0.49	0.38 J	23	5.5	14	18	0.023	0.85 J	14	<0.99	42	<0.79	32	140	--	
APWC0011	APWC0011S001	7/30/2010	0.5-1.0	AP/STP-1C-1	1.1 J	6.5	93	0.51	0.86	27	4.6	13	22	0.15	10	12	<1	35	<0.8	30	89 B	--	
APWC0012	APWC0012S001	7/30/2010	0.5-1.0	AP/STP-1C-1	1.1 J	6.9	850	0.53	1.1	30	4.8	17	29	0.044	1.2 J	14	<0.99	92	<0.79	36	190 B	--	
APWC0013	APWC0013S001	7/29/2010	0.5-1.0	AP/STP-1C-1	0.88 J	6.6	110	0.51	1.6	48	5.2	16	20	0.21	0.96 J	14	<0.99	120	<0.79	33	130	--	
APWC0014	APWC0014S001	7/30/2010	0.5-1.0	AP/STP-1C-1	<0.88	5.2	120	0.56	<0.2	22	4.7	9.1	7.8	0.027	0.81 J	12	<1	4.2	<0.8	32	55 B	--	
APWC0015	APWC0015S001	7/30/2010	0.5-1.0	AP/STP-1C-1	<0.87	4.9	380	0.43 J	0.23 J	29	4.2	11	15	0.029	0.83 J	12	<0.99	55	<0.79	29	100 B	--	
APWC0016	APWC0016S001	7/29/2010	0.5-1.0	AP/STP-1C-1	1.4 J	9.5	1,200	0.67	1.1	42	6.4	21	26	0.029	1.1 J	17	<1	160	<0.8	47	300	--	
APWC0017	APWC0017S001	7/29/2010	0.5-1.0	AP/STP-1C-1	1.3 J	7.2	130	0.63	<0.2	27	6.7	14	12	0.013 J	0.95 J	16	<0.99	<0.79	<0.79	44	76	--	
APWC0018	APWC0018S001	7/29/2010	0.5-1.0	AP/STP-1C-1	0.97 J	7.5	630	0.55	0.46 J	25	5.5	15	18	<0.024	0.86 J	15	<0.99	66	<0.79	36	160	--	
APWC0019	APWC0019S001	7/29/2010	0.5-1.0	AP/STP-1C-1	1.6 J	7.9	110	0.81	<0.2	27	7.1	12	5.5	<0.024	0.91 J	17	<1	<0.8	<0.8	54	53	--	
APWC0020	APWC0020S001	7/29/2010	0.5-1.0	AP/STP-1C-1	1 J	8	79	0.57	<0.2	18	4.6	8.5	6.7	0.017 J	0.67 J	11	<0.99	0.95 J	<0.79	33	53	--	
BTTS02	RJ186	4/4/2001	6.5-7.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--	--	--	

**TABLE E-3.1  
AP/STP-1C-1 PRE-EXCAVATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY**

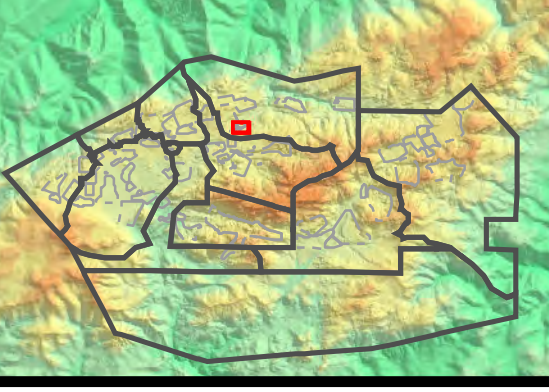
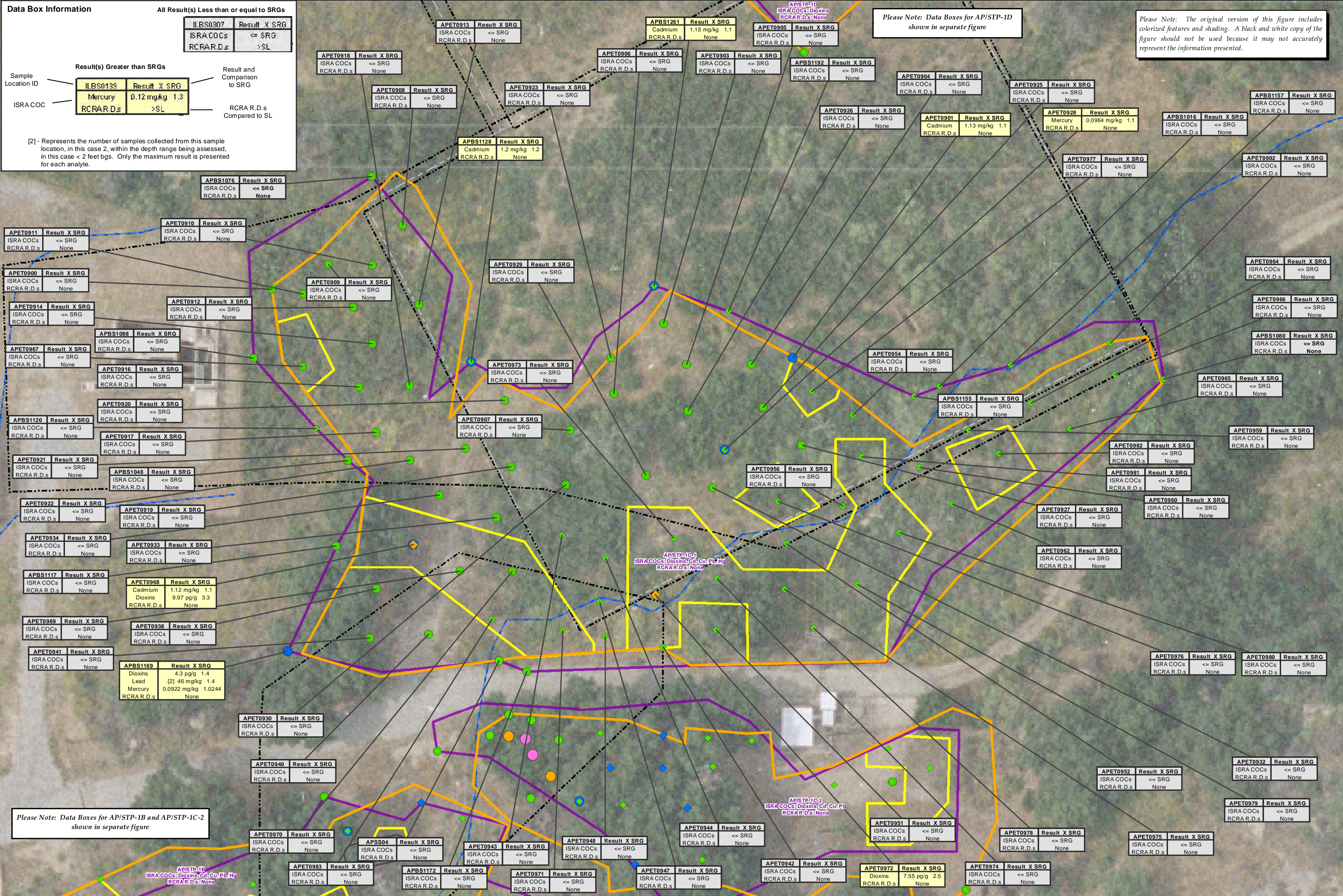
Group					Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Dioxins		
Preferred Analyte					Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	TCDD TEQ	
Result Value Units					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pg/g	
Background					8.7	15	140	1.1	1	36.8	21	29	34	0.09	5.3	29	0.655	0.79	0.46	62	110	0.87	
ISRA SRG					--	--	--	--	1	--	--	29	34	0.09	--	--	--	--	--	--	--	3	
CMS					0.77	--	--	--	--	--	--	8.2	--	0.88	--	15	--	96	--	--	26	--	
Lowest Characterization RBSL					0.095	0.095	15	5.1	0.021	930	8.9	1.1	0.063	0.1	0.11	0.1	0.17	0.54	2.9	1.5	21	4.27	
RBSL Type					ECO	RES	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Collection Date	Sample Depth (feet bgs)	ISRA Area	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
BTTS02	RJ625	9/26/2000	6.5-7.0	AP/STP-1C-1	3.1	3.2	70.7	0.47	1.1	189 J	6.1	14.4	9.6	0.18	<10 J	7.9	<1.8	350 J	1	26.1	137	--	
BTTS03	RJ185	3/30/2001	5.5-6.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.39	--	--	--	--	
BTTS05	RJ188	4/4/2001	8.5-9.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	0.46	--	--	--	--	
BTTS09	RJ190	4/4/2001	4.5-5.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.48	--	--	--	--	
BTTS12	RJ176	3/28/2001	2.5-3.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	3.3	--	--	--	--	
BTTS14	RJ192	4/4/2001	6.0-6.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	8.6	--	--	--	--	
BTTS15	RJ194	4/4/2001	5.5-6.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	6.6	--	--	--	--	
BTTS17	RJ199	4/4/2001	2.5-3.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.34	--	--	--	--	
BTTS17	RJ197	4/4/2001	4.0-4.5	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	27.2	--	--	--	--	
BTTS17	RJ200	4/4/2001	5.5-6.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	
BTTS18	RJ201	4/4/2001	6.5-7.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	38.7	--	--	--	--	
BTTS19	RJ248	4/17/2001	4.5-5.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.37	--	--	--	--	
BTTS19	RJ247	4/17/2001	7.5-8.0	AP/STP-1C-1	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.47	--	--	--	--	
APBS0014	APBS0014S01	12/14/2006	0.0-0.5	--	--	--	120	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--	--	
APBS1017	APBS1017S01	6/3/2008	0.0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.175	
APBS1021	APBS1021S01	6/4/2008	5.0-6.0	--	<0.79	3.1	74.1	0.86	1.8	137	7.9 J	14.7 J	7.5	0.064	<0.62	16.2	<0.516 J	230	0.2 J	60.8	214	--	
APBS1024	APBS1024S001	3/31/2009	0.0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.852	
APBS1024	APBS1024S002	3/31/2009	4.5-5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	
APBS1035	APBS1035S001	3/31/2009	0.0-0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.56	
APBS1035	APBS1035S002	3/31/2009	4.5-5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00584	
APBS1047	APBS1047S001	6/17/2009	0.0-0.0	--	--	--	--	--	0.11 J	--	--	--	--	0.0333	--	--	--	--	--	--	--	1.64	
APBS1064	APBS1064S001	6/17/2009	0.0-0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.990	
APBS1065	APBS1065S001	6/17/2009	0.0-0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.560	
APBS1071	APBS1071S001	8/25/2009	0.0-0.5	--	--	--	--	--	--	--	--	--	--	0.02	--	--	--	--	--	--	--	--	
APBS1168	APBS1168S001	4/23/2010	0.0-1.0	--	--	--	--	--	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	
BTBS1024	BTBS1024S001	10/28/2010	0.0-1.0	--	<1.07	4.97 J	104	0.584 J	0.19	19.2 J	5.45	9.23	6.01	<0.0031	0.536 J	11.8	0.108 J	1.12	0.28	33.5 J	57.7	--	
BTBS1024	BTBS1024S002	10/28/2010	4.0-5.0	--	<1.03	5.99 J	84.7	0.631 J	0.26	19.8 J	4.14	6.32	5.42	<0.003	0.545 J	12.1	0.0484 J	0.303	0.281	35.9 J	57	--	
BTBS1024	BTBS1024S003	10/28/2010	6.5-7.0	--	<1.04	4.3 J	62	0.516 J	0.18	12.7 J	4.3	5.07	3.85	<0.003	0.198 J	7.07	0.0519 J	0.354	0.232	23.9 J	47.2	--	
BTTS01	BTTS01S01	9/26/2000	6.5-7.0	--	0.69 J	1.9	91.3	0.38	<0.33	26.9 J	4.9	11.9	6.3	<0.01	<10 J	8.6	<3.5	61.7 J	1.6	34.9	61.1	--	
BTTS06	BTTS06S02	3/29/2001	5.5-6.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.8	--	--	--	--	
BTTS08	RJ650	9/28/2000	4.5-5.0	--	0.48 J	0.86	58.3	0.24 J	<0.03	34.3	5.2	8.3	6.6	0.02 J	<10 J	6.7	<0.35	130 J	3.9	27.7	50.1	--	
BTTS16	RJ195	4/4/2001	8.5-9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.59	--	--	--	--	
ENBS0016	ENBS0016S001	9/16/2008	0.5-1.0	--	0.85 J	2.9	99.6	0.47	0.23	15.9 J	5.5 J	8.2 J	6.3 J	0.0094 J	0.38 J	10.5 J	<0.489	1.3	<0.28	33.3	58.7	1.34	
ENBS0016	ENBS0016S002	9/16/2008	4.5-5.0	--	0.94 J	3.5	112	0.58	0.25	18.2 J	6.5 J	10.1 J	7.1 J	0.0038 J	0.44 J	12.6 J	<0.522	0.06 J	<0.32	37.5	64.8	0.00729	

**TABLE E-3.1**  
**AP/STP-1C-1 PRE-EXCAVATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION**  
**THE BOEING COMPANY**  
**SANTA SUSANA FIELD LABORATORY**

*Table E-3.1*

Group					Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Dioxins		
Preferred Analyte					Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	TCDD TEQ	
Result Value Units					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pg/g
<b>Background</b>					8.7	15	140	1.1	1	36.8	21	29	34	0.09	5.3	29	0.655	0.79	0.46	62	110	0.87	
<b>ISRA SRG</b>					--	--	--	--	1	--	--	29	34	0.09	--	--	--	--	--	--	--	3	
<b>CMS</b>					0.77	--	--	--	--	--	--	8.2	--	0.88	--	15	--	96	--	--	26	--	
<b>Lowest Characterization RBSL</b>					0.095	0.095	15	5.1	0.021	930	8.9	1.1	0.063	0.1	0.11	0.1	0.17	0.54	2.9	1.5	21	4.27	
<b>RBSL Type</b>					ECO	RES	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Collection Date	Sample Depth (feet bgs)	ISRA Area	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
SWBS1545	SWBS1545S001	1/28/2009	2.5-3.0	--	0.709	5	100	0.926	1.12	20.7	6.62	8.32	6.65	0.00838	1.26	13.6	5.6	1.12	0.22	40	53	--	
SWBS1545	SWBS1545S002	1/28/2009	6.5-7.0	--	1.01	4.29	85.1	0.776	1.1	21.6	5.38	7.88	5.97	0.00789	0.786	11.6	5.52	1.1	0.21	37.8	50.3	--	
SWBS1546	SWBS1546S001	1/28/2009	3.5-4.0	--	0.72	3.55	100	0.755	0.146	17.5	6.75	10.5	6.62	0.0034	0.485	12.1	5.15	1.03	0.203	30.7	53.4	--	
SWBS1546	SWBS1546S002	1/28/2009	7.5-8.0	--	0.76	5.04	117	0.786	1.08	24.7	6.93	10.9	6.75	0.00614	0.501	14.3	5.42	1.08	0.24	44	53.5	--	





**Base Map Legend**

- Administrative Area Boundary
- RFI Site Boundary
- Report Group Boundary
- Drainage
- Non Jurisdictional Surface Water Pathway
- Surface Water Divide
- Previous Excavation Area

**Figure Legend**

- ISRA Planned Excavation
- ISRA Actual Excavation
- Additional Excavation Area
- Near Surface Well
- Chatsworth Well

**ISRA Constituents of Concern**  
Cadmium, Copper, Lead, Mercury, Dioxin

**Soil Remediation Goals (SRGs)**  
Cadmium: 1 mg/kg  
Copper: 29 mg/kg  
Lead: 34 mg/kg  
Mercury: 0.09 mg/kg  
Dioxin: 3.0 ppb/g

RCRA R.D.s = RCRA Risk Drivers  
SL = Screening Level

**Notes:**  
1. Dioxin represents the sum of 17 dioxin/furan congener results adjusted for toxicity, normalized to 2,3,7,8-TCDD-TEQ.  
2. Cadmium, copper, lead, and mercury SRG is equal to the 2005 background comparison concentration, and SRG for dioxins is approximately 3 times the 2005 background comparison concentration.  
3. Screening level for RCRA risk drivers is the lower of the Ecological or Residential Risk-Based Screening Level. All RCRA risk drivers identified on this figure view are evaluated at each sample location shown.  
4. Aerial imagery was collected June 2, 2010, and represents pre-excavation conditions (Sage, 2010).  
5. The actual ISRA excavation boundary was surveyed by Cal Vada on 10/10/2012 and 1/30/2013.

**Chemical Data Legend**

**Cadmium, Copper, Lead, and/or Mercury Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 2x SRG and <= 10x SRG
- >10x SRG

**Dioxin Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 10x SRG

**Sample Not Analyzed for ISRA COCs**

- > SL for one or more RCRA R.D.s
- <= SL for all RCRA R.D.s
- Not analyzed for RCRA R.D.s

**Outfall 009 - ISRA Area AP/STP-1C-1 Confirmation Sample Results In Place**

**SANTA SUSANA FIELD LABORATORY**

Path: T:\projects\rock3\ISRA\Figures\NASA\AP-STP-1C-1\APSTP-1C-1\_ConfirmInPlace.mxd Date: 12/26/2013

1 inch = 25 feet

0 25 50 Feet

**MWH**

**Figure E-3.4**



**TABLE E-3.2**  
**AP/STP-1C-1 CONFIRMATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION**  
**THE BOEING COMPANY**  
**SANTA SUSANA FIELD LABORATORY**

<b>Group</b>						<b>Metals</b>	<b>Metals</b>	<b>Metals</b>	<b>Metals</b>	<b>Dioxins</b>
<b>Preferred Analyte</b>						<b>Cadmium</b>	<b>Copper</b>	<b>Lead</b>	<b>Mercury</b>	<b>TCDD TEQ</b>
<b>Result Value Units</b>						<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>pg/g</b>
<b>Background</b>						<b>1</b>	<b>29</b>	<b>34</b>	<b>0.09</b>	<b>0.87</b>
<b>ISRA SRG</b>						<b>1</b>	<b>29</b>	<b>34</b>	<b>0.09</b>	<b>3</b>
<b>CMS</b>						<b>--</b>	<b>8.2</b>	<b>--</b>	<b>0.88</b>	<b>--</b>
<b>Lowest Characterization RBSL</b>						<b>0.021</b>	<b>1.1</b>	<b>0.063</b>	<b>0.1</b>	<b>4.27</b>
<b>RBSL Type</b>						<b>ECO</b>	<b>ECO</b>	<b>ECO</b>	<b>ECO</b>	<b>ECO</b>
<b>Object Name</b>	<b>Sample Name</b>	<b>Sample Date</b>	<b>Sample Depth (feet bgs)</b>	<b>Sample Status</b>	<b>Floor/Sidewall</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>
APBS1016	APBS1016S01	6/3/2008	0.0-1.0	In Place	Sidewall	--	--	--	--	0.357
APBS1048	APBS1048AS001	4/4/2012	0.0-0.5	In Place	Sidewall	--	18.1	--	--	--
APBS1048	APBS1048S001	6/17/2009	0.0-1.0	In Place	Sidewall	0.204 J	--	9.2	0.027	--
APBS1048	APBS1048S001	4/23/2010	0.0-1.0	In Place	Sidewall	--	--	--	--	0.748
APBS1076	APBS1076AS001	4/4/2012	0.0-0.5	In Place	Sidewall	0.635	15	--	0.0443 J	--
APBS1076	APBS1076S001	8/25/2009	0.0-0.5	In Place	Sidewall	--	--	--	--	0.995
APBS1080	APBS1080S001	8/25/2009	0.0-0.5	In Place	Sidewall	--	--	--	--	0.165
APBS1088	APBS1088AS001	4/4/2012	0.0-0.5	In Place	Sidewall	0.623	10.3	--	0.0127 J	--
APBS1088	APBS1088S001	2/8/2010	0.0-0.5	In Place	Sidewall	--	--	--	--	0.0818
APBS1117	APBS1117AS001	4/4/2012	0.0-0.5	In Place	Sidewall	--	--	16.4	--	2.57
APBS1117	APBS1117S001	4/23/2010	0.0-1.0	In Place	Sidewall	0.126 J	--	--	0.0206	--
APBS1120	APBS1120S001	4/23/2010	0.0-1.0	In Place	Sidewall	--	--	--	--	0.98
APBS1127	APBS1127S001	4/22/2010	0.0-1.0	Excavated	Sidewall	--	--	--	0.0385	0.999
APBS1128	APBS1128AS001	4/4/2012	0.0-0.5	In Place	Sidewall	1.2	--	10.8	--	--
APBS1128	APBS1128S001	4/23/2010	0.0-1.0	In Place	Sidewall	--	--	--	0.0116	0.104
APBS1155	APBS1155S001	4/26/2010	0.0-1.0	In Place	Sidewall	--	--	--	--	2.40
APBS1157	APBS1157S001	4/26/2010	0.0-1.0	In Place	Sidewall	--	--	--	--	0.228
APBS1169	APBS1169AS001	4/4/2012	0.0-0.5	In Place	Sidewall	--	--	38.9	0.0922 J	4.30
APBS1169	APBS1169AS001SP	4/4/2012	0.0-0.5	In Place	Sidewall	--	--	46	0.069	1.16
APBS1169	APBS1169S001	4/22/2010	0.0-1.0	In Place	Sidewall	0.519	--	--	--	--
APBS1170	APBS1170AS001	4/4/2012	0.0-0.5	Excavated	Sidewall	--	--	--	0.0326 J	6.09
APBS1170	APBS1170S001	4/22/2010	0.0-1.0	Excavated	Sidewall	0.172 J	--	7.63	--	--
APBS1172	APBS1172AS001	4/4/2012	0.0-0.5	In Place	Sidewall	0.352	--	--	0.0233 J	2.79
APBS1172	APBS1172S001	4/22/2010	0.0-1.0	In Place	Sidewall	--	--	5.04	--	--
APBS1182	APBS1182S001	4/26/2010	0.0-1.0	Excavated	Sidewall	--	--	--	--	2.23
APBS1184	APBS1184S001	4/26/2010	0.0-1.0	Excavated	Sidewall	--	--	--	--	0.009
APBS1192	APBS1192S001	4/23/2010	0.0-1.0	In Place	Sidewall	--	--	--	--	0.457
APBS1200	APBS1200S001	4/26/2010	0.0-1.0	Excavated	Sidewall	--	--	--	--	8.10
APBS1261	APBS1261AS001	4/4/2012	0.0-0.5	In Place	Sidewall	1.15	--	--	0.0696 J	--
APBS1261	APBS1261S001	4/23/2010	0.0-1.0	In Place	Sidewall	--	--	--	--	2.91
APBS1262	APBS1262AS001	4/4/2012	0.0-0.5	Excavated	Sidewall	0.6	11.2	--	0.031 J	--
APBS1262	APBS1262S001	4/23/2010	0.0-1.0	Excavated	Sidewall	--	--	--	--	1.16
APET0900	APET0900S001	4/4/2012	0.0-0.5	In Place	Sidewall	0.749	16.1	--	0.0492 J	0.32
APET0901	APET0901S001	4/4/2012	0.0-0.5	In Place	Sidewall	1.13	--	--	0.0894 J	--
APET0902	APET0902S001	4/4/2012	0.0-0.5	In Place	Sidewall	--	--	--	--	1.51
APET0903	APET0903S001	9/17/2012	2.0-2.5	In Place	Floor	0.136	--	--	0.0123	0.04
APET0904	APET0904S001	9/17/2012	2.0-2.5	In Place	Floor	0.221	--	--	0.0104	0.03
APET0905	APET0905S001	9/17/2012	2.0-2.5	In Place	Floor	0.278	--	--	0.0149	0.0051
APET0906	APET0906S001	9/17/2012	2.0-2.5	In Place	Floor	0.573	--	--	0.0263	0.095

**TABLE E-3.2**  
**AP/STP-1C-1 CONFIRMATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION**  
**THE BOEING COMPANY**  
**SANTA SUSANA FIELD LABORATORY**

						Group	Metals	Metals	Metals	Metals	Dioxins
						Preferred Analyte	Cadmium	Copper	Lead	Mercury	TCDD TEQ
						Result Value Units	mg/kg	mg/kg	mg/kg	mg/kg	pg/g
						Background	1	29	34	0.09	0.87
						ISRA SRG	1	29	34	0.09	3
						CMS	--	8.2	--	0.88	--
						Lowest Characterization RBSL	0.021	1.1	0.063	0.1	4.27
						RBSL Type	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Sample Date	Sample Depth (feet bgs)	Sample Status	Floor/Sidewall	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
APET0907	APET0907S001	9/17/2012	2.0-2.5	In Place	Floor	0.223	--	--	0.0103	0.016	
APET0908	APET0908S001	9/17/2012	2.0-2.5	In Place	Floor	0.222	12	--	0.0099	0.056	
APET0908	APET0908S001-RWQCB	9/17/2012	2.0-2.5	In Place	Floor	0.20	9.7	--	0.0151	0.54	
APET0909	APET0909S001	9/17/2012	2.0-2.5	In Place	Floor	0.238	13.9	--	0.0536	0.60	
APET0910	APET0910S001	9/17/2012	2.0-2.5	In Place	Floor	0.279	12.8	--	0.0248	1.95	
APET0911	APET0911S001	9/17/2012	2.0-2.5	In Place	Floor	0.257	15.9	--	0.0101	0.04	
APET0912	APET0912S001	9/17/2012	2.0-2.5	In Place	Floor	0.217	15	--	0.0141	1.105	
APET0912	APET0912S001SP	9/17/2012	2.0-2.5	In Place	Floor	0.14	8.9	--	0.011	0.97	
APET0913	APET0913S001	9/17/2012	2.0-2.5	In Place	Floor	0.216	12.5	--	0.0125	0.79	
APET0914	APET0914S001	9/17/2012	2.0-2.5	In Place	Floor	0.394	17.5	--	0.0234	0.85	
APET0915	APET0915S001	9/17/2012	2.0-2.5	Excavated	Floor	3.31	33.1	--	0.312	--	
APET0916	APET0916S001	9/17/2012	2.0-2.5	In Place	Floor	0.295	17.8	--	0.0109	0.396	
APET0917	APET0917S001	9/17/2012	2.0-2.5	In Place	Floor	0.472	18.8	--	0.0239	0.064	
APET0918	APET0918S001	9/17/2012	2.0-2.5	In Place	Floor	0.639	15.6	--	0.0329	0.20	
APET0918	APET0918S001-RWQCB	9/17/2012	2.0-2.5	In Place	Floor	0.20	7.6	--	0.0214 1	0.198	
APET0919	APET0919D001	9/17/2012	2.0-2.5	In Place	Floor	0.281	--	9.01	0.0112	0.04	
APET0919	APET0919S001	9/17/2012	2.0-2.5	In Place	Floor	0.268	--	8.91	0.0103	0.019	
APET0920	APET0920S001	9/17/2012	2.0-2.5	In Place	Floor	0.371	--	8.58	0.0191	0.13	
APET0920	APET0920S001-RWQCB	9/17/2012	2.0-2.5	In Place	Floor	0.22	--	5.5	0.0230 1	0.202	
APET0921	APET0921S001	9/17/2012	2.0-2.5	In Place	Floor	0.572	--	8.58	0.0549	0.45	
APET0922	APET0922S001	9/17/2012	2.0-2.5	In Place	Floor	0.233	--	5.39	0.033	0.17	
APET0923	APET0923S001	9/25/2012	2.0-2.5	In Place	Sidewall	0.204	--	--	0.0096	0.005	
APET0923	APET0923S001-RWQCB	9/25/2012	2.0-2.5	In Place	Sidewall	0.20	--	--	0.0294 J	0.0047	
APET0924	APET0924S001	9/26/2012	2.0-2.5	Excavated	Floor	1.12	--	--	0.0739	6.43	
APET0925	APET0925S001	9/26/2012	2.0-2.5	In Place	Floor	0.206	--	--	0.0149	0.27	
APET0926	APET0926S001	9/26/2012	2.0-2.5	In Place	Floor	0.314	--	--	0.0139	0.073	
APET0927	APET0927S001	9/26/2012	2.0-2.5	In Place	Floor	0.412	--	--	0.0433	1.22	
APET0928	APET0928S001	9/25/2012	2.0-2.5	In Place	Floor	0.73	--	--	0.0964	2.49	
APET0928	APET0928S001-RWQCB	9/25/2012	2.0-2.5	In Place	Floor	0.46	--	--	0.0725	1.79	
APET0929	APET0929S001	9/26/2012	2.0-2.5	In Place	Floor	0.462	--	--	0.0385	0.81	
APET0929	APET0929S001SP	9/26/2012	2.0-2.5	In Place	Floor	0.33	--	--	0.057	0.37	
APET0930	APET0930S001	9/25/2012	2.0-2.5	In Place	Floor	0.413	--	--	0.0169	0.78	
APET0931	APET0931S001	9/26/2012	2.0-2.5	Excavated	Floor	0.998	--	--	0.0234	1.72	
APET0932	APET0932S001	9/26/2012	2.0-2.5	In Place	Floor	0.418	--	--	0.0352	1.46	
APET0933	APET0933S001	9/25/2012	2.0-2.5	In Place	Floor	0.588	--	14.1	0.0336	1.05	
APET0934	APET0934S001	9/25/2012	2.0-2.5	In Place	Floor	0.459	--	12.9	0.0347	1.38	
APET0934	APET0934S001-RWQCB	9/25/2012	2.0-2.5	In Place	Floor	0.23	--	7.0	0.0196 J	0.310	
APET0935	APET0935S001	9/26/2012	2.0-2.5	Excavated	Floor	0.576	--	16.1	0.0231	7.04	

**TABLE E-3.2  
AP/STP-1C-1 CONFIRMATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY**

						Group	Metals	Metals	Metals	Metals	Dioxins
						Preferred Analyte	Cadmium	Copper	Lead	Mercury	TCDD TEQ
						Result Value Units	mg/kg	mg/kg	mg/kg	mg/kg	pg/g
						Background	1	29	34	0.09	0.87
						ISRA SRG	1	29	34	0.09	3
						CMS	--	8.2	--	0.88	--
						Lowest Characterization RBSL	0.021	1.1	0.063	0.1	4.27
						RBSL Type	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Sample Date	Sample Depth (feet bgs)	Sample Status	Floor/Sidewall	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
APET0936	APET0936D001	9/25/2012	2.0-2.5	Excavated	Floor	1.13	--	34.9	0.0855	6.97	
APET0936	APET0936S001	9/25/2012	2.0-2.5	Excavated	Floor	1.29	--	46.3	0.0753	8.95	
APET0937	APET0937S001	9/25/2012	2.0-2.5	Excavated	Floor	0.635	--	25.5	0.151	2.50	
APET0938	APET0938S001	9/25/2012	2.0-2.5	In Place	Floor	0.397	--	9.58	0.0167	0.44	
APET0939	APET0939S001	9/25/2012	2.0-2.5	Excavated	Floor	0.375	--	18.4	0.0176	1.95	
APET0940	APET0940S001	9/25/2012	2.0-2.5	In Place	Floor	0.228	--	6.39	0.0107	0.05	
APET0941	APET0941S001	9/25/2012	2.0-2.5	In Place	Floor	0.134	--	7.19	0.0102	0.198	
APET0942	APET0942S001	9/25/2012	1.0-1.5	In Place	Sidewall	--	--	--	--	1.00	
APET0943	APET0943S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.10	
APET0944	APET0944S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.5	
APET0945	APET0945S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	5.76	
APET0946	APET0946S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	2.64	
APET0947	APET0947S001	9/25/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.30	
APET0947	APET0947S001-RWQCB	9/25/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.58	
APET0948	APET0948S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.2	
APET0949	APET0949S001	9/25/2012	1.0-1.5	Excavated	Floor	--	--	--	--	5.13	
APET0949	APET0949S001SP	9/25/2012	1.0-1.5	Excavated	Floor	--	--	--	--	4.22	
APET0950	APET0950S001	9/25/2012	1.0-1.5	Excavated	Floor	--	--	--	--	6.55	
APET0950	APET0950S001-RWQCB	9/25/2012	1.0-1.5	Excavated	Floor	--	--	--	--	8.36	
APET0951	APET0951S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.13	
APET0952	APET0952S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.35	
APET0953	APET0953S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	1.87	
APET0954	APET0954S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.58	
APET0955	APET0955S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	2.27	
APET0956	APET0956S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	1.08	
APET0957	APET0957S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	3.31	
APET0957	APET0957S001-RWQCB	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	2.19	
APET0958	APET0958D001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	0.65	
APET0958	APET0958S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	6.06	
APET0959	APET0959S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.08	
APET0960	APET0960S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.75	
APET0961	APET0961S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	2.36	
APET0962	APET0962S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.57	
APET0963	APET0963S001	9/26/2012	1.0-1.5	Excavated	Floor	--	--	--	--	23.2	
APET0964	APET0964S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.021	
APET0965	APET0965S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.004	

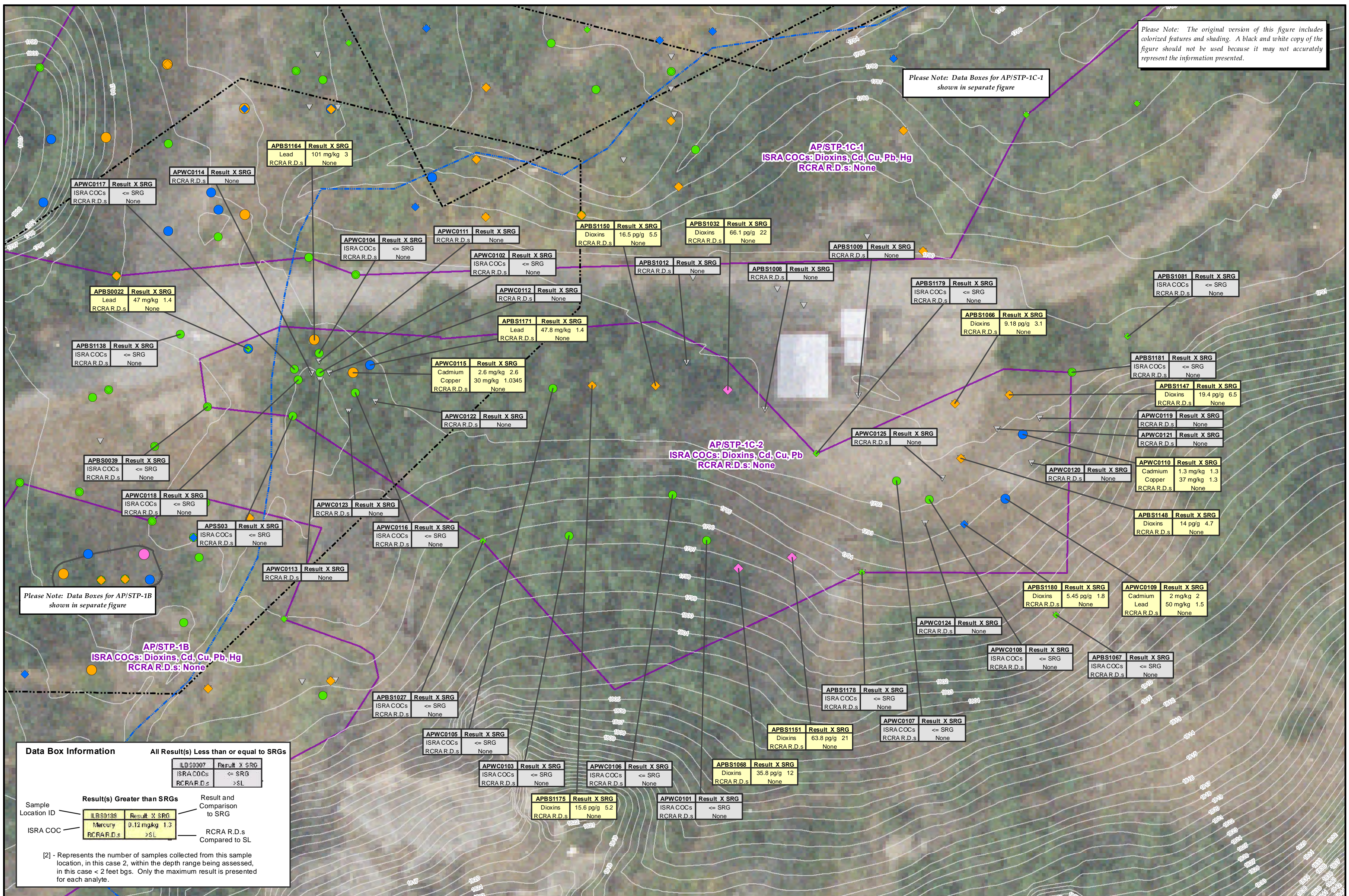
**TABLE E-3.2**  
**AP/STP-1C-1 CONFIRMATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION**  
**THE BOEING COMPANY**  
**SANTA SUSANA FIELD LABORATORY**

<b>Group</b>						<b>Metals</b>	<b>Metals</b>	<b>Metals</b>	<b>Metals</b>	<b>Dioxins</b>
<b>Preferred Analyte</b>						<b>Cadmium</b>	<b>Copper</b>	<b>Lead</b>	<b>Mercury</b>	<b>TCDD TEQ</b>
<b>Result Value Units</b>						<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>pg/g</b>
<b>Background</b>						1	29	34	0.09	0.87
<b>ISRA SRG</b>						1	29	34	0.09	3
<b>CMS</b>						--	8.2	--	0.88	--
<b>Lowest Characterization RBSL</b>						0.021	1.1	0.063	0.1	4.27
<b>RBSL Type</b>						ECO	ECO	ECO	ECO	ECO
<b>Object Name</b>	<b>Sample Name</b>	<b>Sample Date</b>	<b>Sample Depth (feet bgs)</b>	<b>Sample Status</b>	<b>Floor/Sidewall</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>
APET0966	APET0966S001	9/26/2012	1.0-1.5	In Place	Floor	--	--	--	--	0.009
APET0967	APET0967S001	11/2/2012	4.0-4.5	In Place	Floor	0.156	13.6	--	0.0101	0
APET0967	APET0967S001-RWQCB	11/2/2012	4.0-4.5	In Place	Floor	0.24	11	--	0.0814	0.561
APET0968	APET0968S001	11/2/2012	3.0-3.5	In Place	Floor	1.12	--	24.4	0.0655	9.97
APET0969	APET0969S001	11/2/2012	3.0-3.5	In Place	Floor	0.514	--	12.3	0.0514	1.5
APET0969	APET0969S001-RWQCB	11/2/2012	3.0-3.5	In Place	Floor	0.24	--	5.5	--	0.078
APET0970	APET0970S001	11/2/2012	3.0-3.5	In Place	Floor	0.194	--	8.11	0.0107	0.0056
APET0971	APET0971S001	11/2/2012	2.0-2.5	In Place	Floor	--	--	--	--	0.818
APET0972	APET0972S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	7.55
APET0973	APET0973S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	1.71
APET0974	APET0974S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	1.005
APET0974	APET0974S001-RWQCB	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.518
APET0975	APET0975S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.812
APET0976	APET0976S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.208
APET0977	APET0977S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.0935
APET0978	APET0978S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.0166
APET0979	APET0979S001	11/2/2012	2.0-2.5	In Place	Floor	--	--	--	--	0.593
APET0980	APET0980S001	11/2/2012	2.0-2.5	In Place	Floor	--	--	--	--	0.37
APET0981	APET0981S001	11/2/2012	2.0-2.5	In Place	Floor	--	--	--	--	1.077
APET0982	APET0982S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.016
APET0982	APET0982S001-RWQCB	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.17
APET0983	APET0983S001	11/2/2012	3.0-3.5	In Place	Floor	--	--	--	--	0.435
APET0984	APET0984S001	4/4/2012	0.0-0.5	Excavated	Sidewall	1.28	--	--	0.301	--
APSS04	APSS04S01	10/28/1997	0.0-0.3	In Place	Sidewall	<1	17	24	<0.2	--

Please Note: The original version of this figure includes colored features and shading. A black and white copy of the figure should not be used because it may not accurately represent the information presented.

Please Note: Data Boxes for AP/STP-1C-1 shown in separate figure

Please Note: Data Boxes for AP/STP-1B shown in separate figure



**Data Box Information**

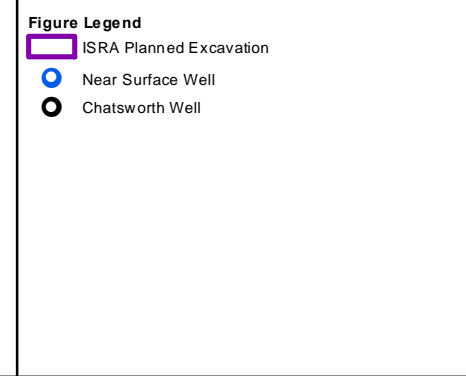
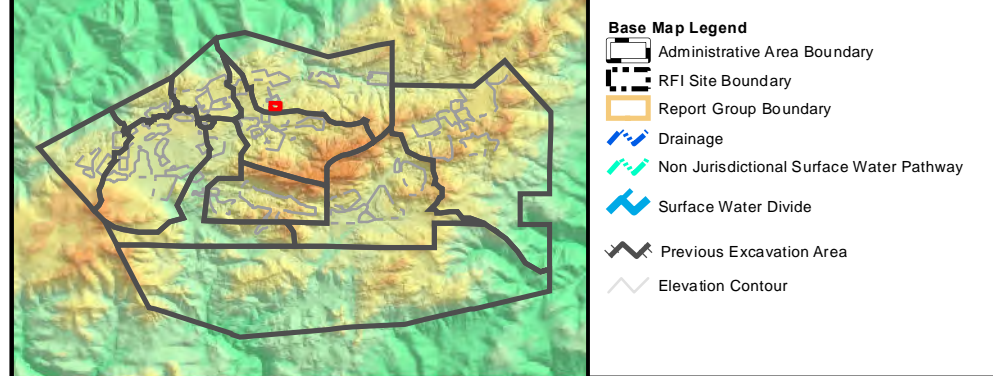
All Result(s) Less than or equal to SRGs

ISRA COCs	Result X SRG	RCRA R.D.s	<= SRG
			>SL

Result(s) Greater than SRGs

Sample Location ID	Result X SRG	Comparison to SRG
ISRA COC		RCRA R.D.s Compared to SL

[2] - Represents the number of samples collected from this sample location, in this case 2, within the depth range being assessed, in this case < 2 feet bgs. Only the maximum result is presented for each analyte.



**ISRA Constituents of Concern**  
Cadmium, Copper, Lead, Mercury, Dioxin

**Soil Remediation Goals (SRGs)**  
Cadmium: 1 mg/kg  
Copper: 29 mg/kg  
Lead: 34 mg/kg  
Mercury: 0.09 mg/kg  
Dioxin: 3.0 pg/g

RCRA R.D.s = RCRA Risk Drivers  
SL = Screening Level

**Notes:**  
1. Dioxin represents the sum of 17 dioxin/furan congener results adjusted for toxicity, normalized to 2,3,7,8-TCDD-TEQ.  
2. Cadmium, copper, lead, and mercury SRG is equal to the 2005 background comparison concentration, and SRG for dioxins is approximately 3 times the 2005 background comparison concentration.  
3. Screening level for RCRA risk drivers is the lower of the Ecological or Residential Risk-Based Screening Level. All RCRA risk drivers identified on this figure view are evaluated at each sample location shown.  
4. Aerial imagery and topographic contours from Sage, 2010. Aerial imagery was collected June 2, 2010, and represents pre-excavation conditions. Topographic contours represent pre-excavation conditions.

**Chemical Data Legend**

**Cadmium, Copper, Lead, and/or Mercury Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 10x SRG

**Dioxin Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 10x SRG

**Sample Not Analyzed for ISRA COCs**

- > SL for one or more RCRA R.D.s
- <= SL for all RCRA R.D.s
- Not analyzed for RCRA R.D.s

**Outfall 009 – ISRA Area AP/STP-1C-2  
Pre-Excavation Sample Results  
Surface Soils (0-2 feet bgs)  
SANTA SUSANA FIELD LABORATORY**

Path: T:\project\rock3\ISRA\Figures\NASA\AP-STP-1C-2\APSTP-1C-2\_PreExcav\_Shallow.mxd Date: 12/20/2013

1 inch = 15 feet

**Figure E-4.1**

Please Note: The original version of this figure includes colored features and shading. A black and white copy of the figure should not be used because it may not accurately represent the information presented.

Please Note: Data Boxes for AP/STP-1C-1 shown in separate figure

**AP/STP-1C-1**  
 ISRA COCs: Dioxins, Cd, Cu, Pb, Hg  
 RCRA R.D.s: None

APBS1012 Result X SRG  
 RCRA R.D.s None

APBS1009 Result X SRG  
 RCRA R.D.s None

APBS1032 Result X SRG  
 ISRA COCs <= SRG  
 RCRA R.D.s None

APBS1008 Result X SRG  
 RCRA R.D.s None

**AP/STP-1C-2**  
 ISRA COCs: Dioxins, Cd, Cu, Pb  
 RCRA R.D.s: None

Please Note: Data Boxes for AP/STP-1B shown in separate figure

**AP/STP-1B**  
 ISRA COCs: Dioxins, Cd, Cu, Pb, Hg  
 RCRA R.D.s: None

**Data Box Information**

All Result(s) Less than or equal to SRGs

ILBS0307	Result X SRG
ISRA COCs	<= SRG
RCRA R.D.s	>SL

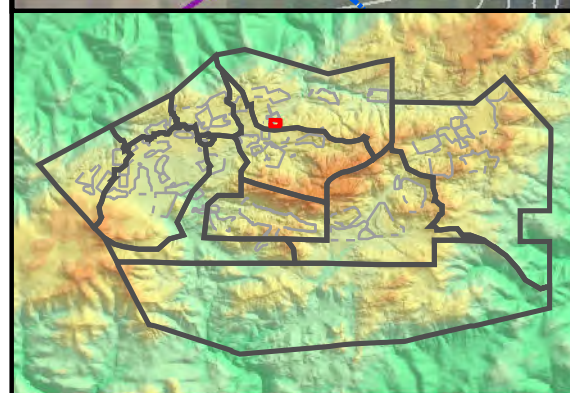
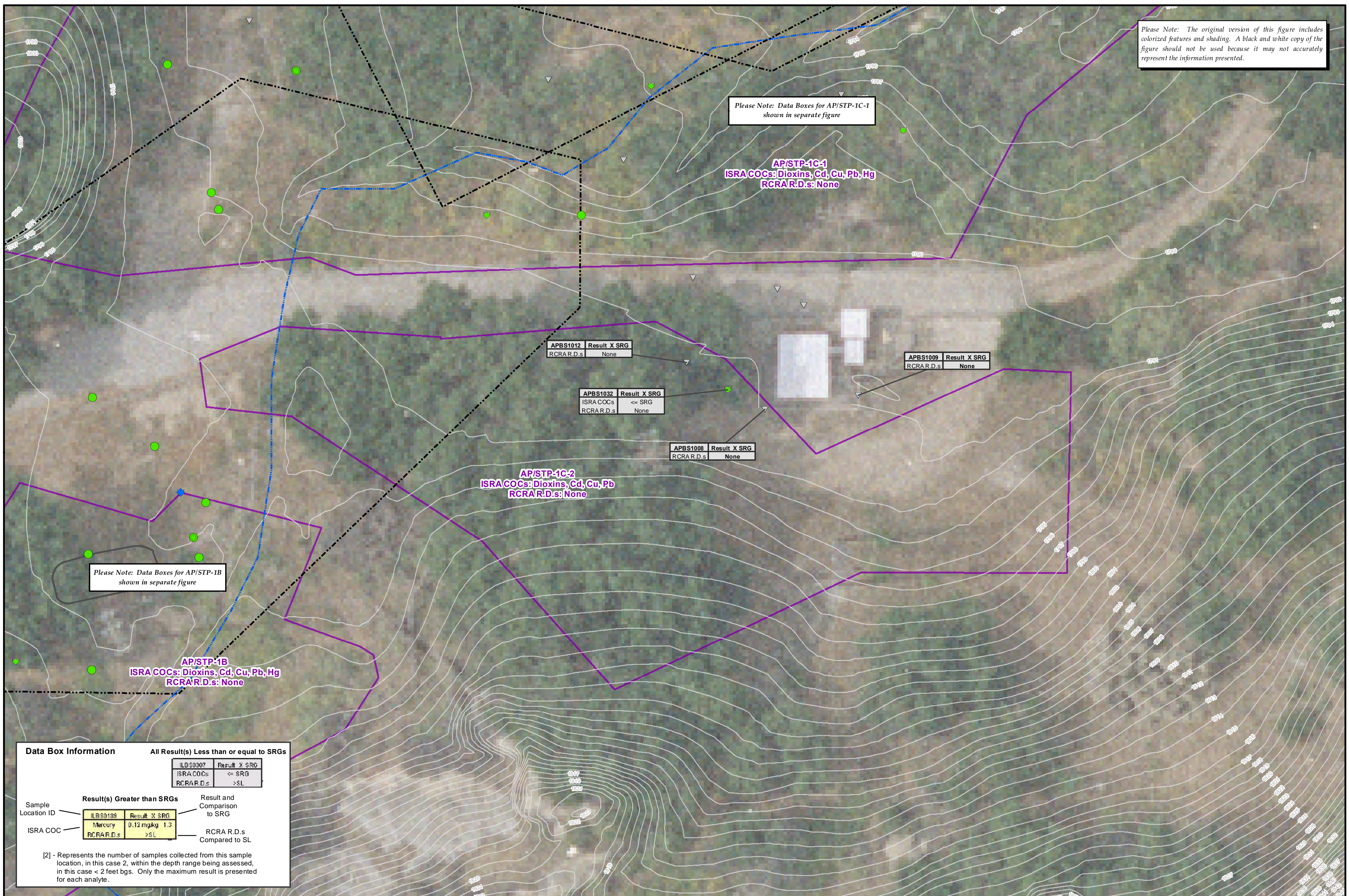
Result(s) Greater than SRGs

ILBS0138	Result X SRG
Mercury	0.12 mg/kg 1.3
RCRA R.D.s	>SL

Result and Comparison to SRG

RCRA R.D.s Compared to SL

[2] - Represents the number of samples collected from this sample location, in this case 2, within the depth range being assessed, in this case < 2 feet bgs. Only the maximum result is presented for each analyte.



**Base Map Legend**

- Administrative Area Boundary
- Planned Excavation
- RFI Site Boundary
- Report Group Boundary
- Drainage
- Non Jurisdictional Surface Water Pathway
- Surface Water Divide
- Previous Excavation Area
- Elevation Contour

**Figure Legend**

- Near Surface Well
- Chatsworth Well

**ISRA Constituents of Concern**  
 Cadmium, Copper, Lead, Mercury, Dioxin

**Soil Remediation Goals (SRGs)**  
 Cadmium: 1 mg/kg  
 Copper: 29 mg/kg  
 Lead: 34 mg/kg  
 Mercury: 0.09 mg/kg  
 Dioxin: 3.0 pg/g

**RCRA R.D.s = RCRA Risk Drivers**  
 SL = Screening Level

**Notes:**  
 1. Dioxin represents the sum of 17 dioxin/furan congener results adjusted for toxicity, normalized to 2,3,7,8-TCDD-TEQ.  
 2. Cadmium, copper, lead, and mercury SRG is equal to the 2005 background comparison concentration, and SRG for dioxins is approximately 3 times the 2005 background comparison concentration.  
 3. Screening level for RCRA risk drivers is the lower of the Ecological or Residential Risk-Based Screening Level. All RCRA risk drivers identified on this figure view are evaluated at each sample location shown.  
 4. Aerial imagery and topographic contours from Sage, 2010. Aerial imagery was collected June 2, 2010, and represents pre-excavation conditions. Topographic contours represent pre-excavation conditions.

**Chemical Data Legend**

**Cadmium, Copper, Lead, and/or Mercury Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 10x SRG

**Dioxin Sample Locations**

- <= SRG
- > SRG and <= 2x SRG
- > 2x SRG and <= 10x SRG
- > 10x SRG

**Sample Not Analyzed for ISRA COCs**

- > SL for one or more RCRA R.D.s
- <= SL for all RCRA R.D.s
- Not analyzed for RCRA R.D.s

**Outfall 009 – ISRA Area AP/STP-1C-2  
 Pre-Excavation Sample Results  
 SubSurface Soils (2-10 feet bgs)  
 SANTA SUSANA FIELD LABORATORY**

Path: T:\projects\rock3\ISRA\Figures\NASA\AP-STP-1C-2\APSTP-1C-2\_PreExcav\_Deep.mxd Date: 12/20/2013

1 inch = 15 feet

0 15 30 Feet

**MWH**

**Figure E-4.2**

**TABLE E-4.1**  
**AP/STP-1C-2 PRE-EXCAVATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION**  
**THE BOEING COMPANY**  
**SANTA SUSANA FIELD LABORATORY**

Table E-4.1

Group					Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Dioxins		
Preferred Analyte					Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	TCDD TEQ	
Result Value Units					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pg/g	
<b>Background</b>					8.7	15	140	1.1	1	36.8	21	29	34	0.09	5.3	29	0.655	0.79	0.46	62	110	0.87	
<b>ISRA SRG</b>					--	--	--	--	1	--	--	29	34	0.09	--	--	--	--	--	--	--	3	
<b>CMS</b>					0.77	--	--	--	--	--	--	8.2	--	0.88	--	15	--	96	--	--	26	--	
<b>Lowest Characterization RBSL</b>					0.095	0.095	15	5.1	0.021	930	8.9	1.1	0.063	0.1	0.11	0.1	0.17	0.54	2.9	1.5	21	4.27	
<b>RBSL Type</b>					ECO	RES	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO	ECO
Object Name	Sample Name	Collection Date	Sample Depth (feet bgs)	ISRA Area	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	
APBS0022	APBS0022S01	12/14/2006	0.0-0.5	AP/STP-1C-2	0.34 J	4.4	110	0.62	0.32	28	6.8	12 J	47	0.0096	0.79 J	12	0.24	11	0.26 J	35	76	0.833	
APBS0039	APBS0039S01	12/14/2006	0.5-1.0	AP/STP-1C-2	<1 J	3.3	84	0.41	0.14	13	4.8	7.1 J	5.7	<0.0083	0.64 J	9.4	<0.21	0.52	0.35 J	25	43	0.00822	
APBS1027	APBS1027S001	4/1/2009	0.0-0.5	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.28	
APBS1032	APBS1032S001	3/31/2009	0.0-0.1	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	66.1	
APBS1032	APBS1032S002	3/31/2009	4.5-5.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.22	
APBS1066	APBS1066S001	6/17/2009	0.0-0.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.18	
APBS1068	APBS1068S001	6/17/2009	0.0-0.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35.8	
APBS1147	APBS1147S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.4	
APBS1148	APBS1148S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.0	
APBS1150	APBS1150S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16.5	
APBS1151	APBS1151S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63.8	
APBS1164	APBS1164S001	4/22/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	101	--	--	--	--	--	--	--	--	--	
APBS1164	APBS1164AS001	6/5/2013	0.5-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	5.31	--	--	--	--	--	--	--	--	--	
APBS1171	APBS1171S001	4/22/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	47.8	--	--	--	--	--	--	--	--	--	
APBS1175	APBS1175S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.6	
APBS1178	APBS1178S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.865	
APBS1179	APBS1179S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.52	
APBS1180	APBS1180S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.45	
APBS1181	APBS1181S001	4/26/2010	0.0-1.0	AP/STP-1C-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.758	
APBS1181	APBS1181AS001	11/29/2011	1.0-1.5	AP/STP-1C-2	--	--	--	--	0.24 J	--	--	12 J	26.4 J	--	--	--	--	--	--	--	--	--	
APSS03	RF719	10/28/1997	0.0-0.0	AP/STP-1C-2	<10 J	<5	140	<0.5	<1	11	5	9	12	<0.2	<10	9	<5	7	<5	21	73 J	--	
APWC0101	APWC0101S001	7/29/2010	0.4-0.9	AP/STP-1C-2	1.2 J	4.6	90	0.46 J	<0.2	17	4.3	11	9.9	0.019 J	0.58 J	10	<1	<0.8	<0.8	28	60	--	
APWC0102	APWC0102S001	7/29/2010	0.5-1.0	AP/STP-1C-2	0.98 J	6.7	120	0.49	<0.2	22	5.4	21	28	0.04	0.84 J	15	<0.99	7	<0.79	35	86	--	
APWC0103	APWC0103S001	7/29/2010	0.5-1.0	AP/STP-1C-2	1.2 J	5.1	100	0.52	<0.2	23	5.8	10	6.2	<0.012	0.58 J	14	<1	<0.8	<0.8	35	60	--	
APWC0104	APWC0104S001	7/29/2010	0.0-0.5	AP/STP-1C-2	1.3 J	6	240	0.42 J	0.21 J	20	5	22	29	0.033	1.9 J	14	<0.99	12	<0.79	30	160	--	
APWC0105	APWC0105S001	7/29/2010	0.5-1.0	AP/STP-1C-2	0.98 J	4.4	210	0.42 J	0.29 J	19	5.3	16	31	0.042	0.78 J	12	<1	6.3	<0.8	30	96	--	
APWC0106	APWC0106S001	7/29/2010	0.5-1.0	AP/STP-1C-2	1.4 J	4.2	120	0.44 J	<0.2	17	4.8	21	11	0.023	0.64 J	11	<1	<0.8	<0.8	30	83	--	
APWC0107	APWC0107S001	7/29/2010	0.0-0.3	AP/STP-1C-2	1 J	3.5	110	0.35 J	0.3 J	15	5.1	14	8.3	<0.012	0.56 J	10	<0.99	<0.79	<0.79	31	85	--	
APWC0108	APWC0108S001	7/29/2010	0.0-0.5	AP/STP-1C-2	1.1 J	4.3	100	0.43 J	<0.2	19	4.9	9.9	4.4	<0.012	0.7 J	12	<0.99	<0.79	<0.79	31	53	--	
APWC0109	APWC0109S001	7/29/2010	0.0-0.5	AP/STP-1C-2	1.1 J	3.7	94	0.4 J	2	16	4.7	26	50	0.012 J	0.54 J	11	<0.99	<0.79	<0.79	28	660	--	
APWC0110	APWC0110S001	7/29/2010	0.0-0.5	AP/STP-1C-2	1.2 J	2.8	160	0.22 J	1.3	12	6.2	37	15	0.016 J	0.48 J	9	<0.99	2.7	<0.79	35	220	--	
APWC0115	APWC0115S001	8/17/2010	0.5-1.0	AP/STP-1C-2	1.6	5.3	280	0.42	2.6	23	5.6	30	21	0.032	0.99	15	<1.0	17	<0.80	39	110	--	
APWC0116	APWC0116S001	8/17/2010	0.5-1.0	AP/STP-1C-2	1.8	5.4	140	0.45	<0.20	23	5.9	23	8.3	0.014	0.90	16	<1.0	3.0	<0.80	37	67	--	
APWC0117	APWC0117S001	8/17/2010	0.5-1.0	AP/STP-1C-2	1.8	5.2	210	0.45	<0.20	23	5.5	13	11	0.017	1.1	16	<1.0	5.2	<0.80	36	74	--	
APWC0118	APWC0118S001	8/17/2010	0.5-1.0	AP/STP-1C-2	1.7	6.5	130	0.49	<0.20	21	7.3	14	14	0.017	0.82	16	<0.99	1.1	<0.79	36	75	--	
APBS1067	APBS1067S001	6/17/2009	0.0-0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.30	
APBS1081	APBS1081S001	8/25/2009	0.0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.653	
APBS1138	APBS1138S001	4/22/2010	0.0-1.0	--	--	--	--	--	--	--	--	--	21.9	--	--	--	--	--	--	--	--	--	

**Data Box Information**

All Result(s) Less than or equal to SRGs

ILBS0307	Result X SRG
ISRA COCs	<= SRG
RCRA R.D.s	>SL

Result(s) Greater than SRGs

ILBS0139	Result X SRG
Mercury	0.12 mg/kg 1.3
RCRA R.D.s	>SL

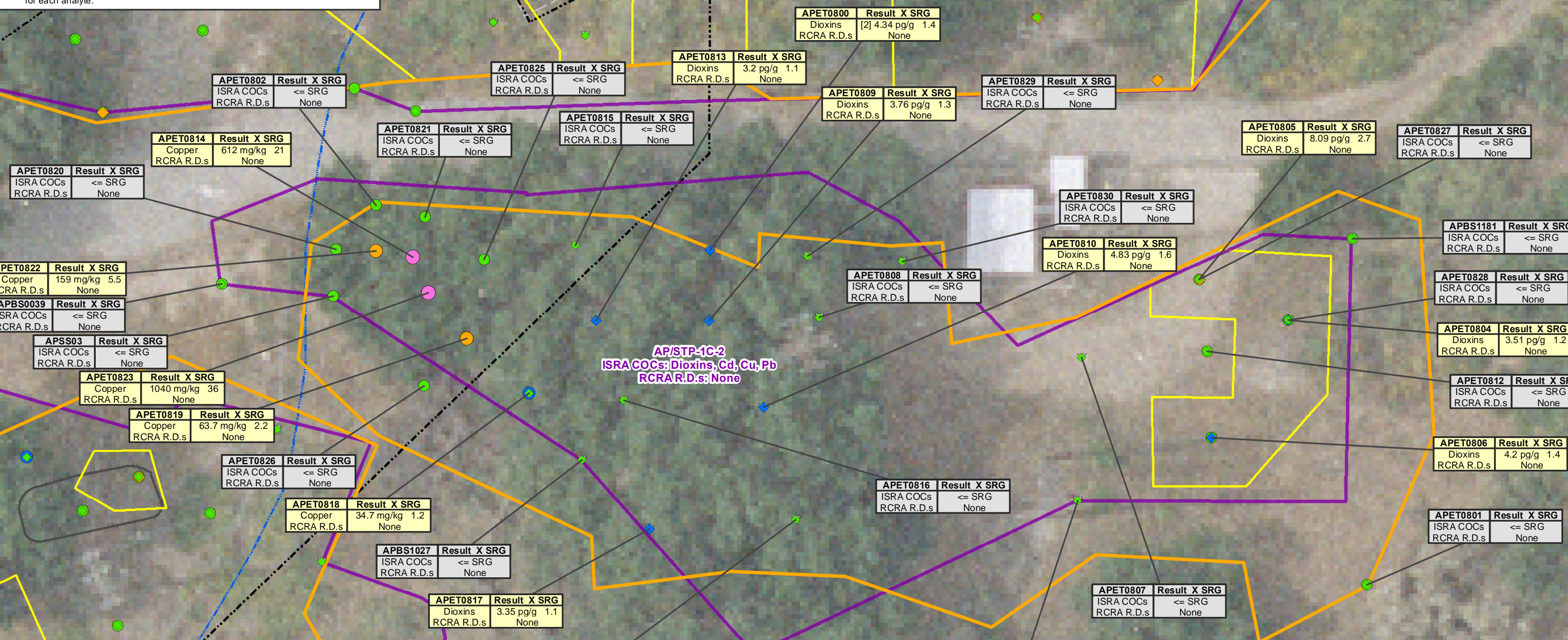
Result and Comparison to SRG  
RCRA R.D.s Compared to SL

[2] - Represents the number of samples collected from this sample location, in this case 2, within the depth range being assessed, in this case < 2 feet bgs. Only the maximum result is presented for each analyte.

Please Note: The original version of this figure includes colored features and shading. A black and white copy of the figure should not be used because it may not accurately represent the information presented.

Please Note: Data Boxes for AP/STP-1C-1 shown in separate figure

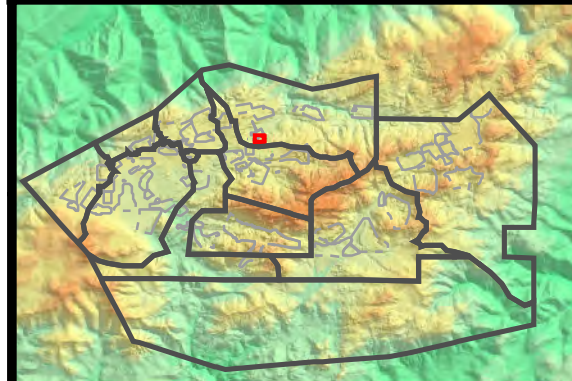
AP/STP-1C-1  
ISRA COCs: Dioxins, Cd, Cu, Pb, Hg  
RCRA R.D.s: None



AP/STP-1C-2  
ISRA COCs: Dioxins, Cd, Cu, Pb  
RCRA R.D.s: None

Please Note: Data Boxes for AP/STP-1B shown in separate figure

AP/STP-1B  
ISRA COCs: Dioxins, Cd, Cu, Pb, Hg  
RCRA R.D.s: None



**Base Map Legend**

- Administrative Area Boundary
- RFI Site Boundary
- Report Group Boundary
- Drainage
- Non Jurisdictional Surface Water Pathway
- Surface Water Divide
- Previous Excavation Area

**Figure Legend**

- ISRA Planned Excavation
- ISRA Actual Excavation
- Additional Excavation Area
- Near Surface Well
- Chatsworth Well

**ISRA Constituents of Concern**  
Cadmium, Copper, Lead, Mercury, Dioxin

Soil Remediation Goals (SRGs)  
Cadmium: 1 mg/kg  
Copper: 29 mg/kg  
Lead: 34 mg/kg  
Mercury: 0.09 mg/kg  
Dioxin: 3.0 pg/g

RCRA R.D.s = RCRA Risk Drivers  
SL = Screening Level

- Notes:
- Dioxin represents the sum of 17 dioxin/furan congener results adjusted for toxicity, normalized to 2,3,7,8-TCDD-TEQ.
  - Cadmium, copper, lead, and mercury SRG is equal to the 2005 background comparison concentration, and SRG for dioxins is approximately 3 times the 2005 background comparison concentration.
  - Screening level for RCRA risk drivers is the lower of the Ecological or Residential Risk-Based Screening Level. All RCRA risk drivers identified on this figure view are evaluated at each sample location shown.
  - Aerial imagery was collected June 2, 2010, and represents pre-excavation conditions (Sage, 2010).
  - The actual ISRA excavation boundary was surveyed by Cal Vada on 10/10/2012 and 1/30/2013; boundary modified based on field observation and the excavation performed in Fall 2013 near the transformer.

**Chemical Data Legend**

- Cadmium, Copper, Lead, and/or Mercury Sample Locations**
- <= SRG
  - > SRG and <= 2x SRG
  - >2x SRG and <= 10x SRG
  - >10x SRG

- Dioxin Sample Locations**
- <= SRG
  - > SRG and <= 2x SRG
  - >2x SRG and <= 10x SRG
  - >10x SRG

- Sample Not Analyzed for ISRA COCs**
- > SL for one or more RCRA R.D.s
  - <= SL for all RCRA R.D.s
  - Not analyzed for RCRA R.D.s

**Outfall 009 – ISRA Area AP/STP-1C-2 Confirmation Sample Results**  
**SANTA SUSANA FIELD LABORATORY**

Path: T:\projects\rock3\ISRA\Figures\NASA\AP-STP-1C-2\APSTP-1C-2\_Confirm.mxd

Date: 12/26/2013

1 inch = 15 feet

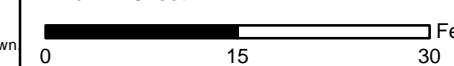


Figure E-4.3



**TABLE E-4.2**  
**AP/STP-1C-2 CONFIRMATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION**  
**THE BOEING COMPANY**  
**SANTA SUSANA FIELD LABORATORY**

<b>Group</b>						<b>Metals</b>	<b>Metals</b>	<b>Metals</b>	<b>Dioxins</b>
<b>Preferred Analyte</b>						<b>Cadmium</b>	<b>Copper</b>	<b>Lead</b>	<b>TCDD TEQ</b>
<b>Result Value Units</b>						<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>pg/g</b>
<b>Background</b>						<b>1</b>	<b>29</b>	<b>34</b>	<b>0.87</b>
<b>ISRA SRG</b>						<b>1</b>	<b>29</b>	<b>34</b>	<b>3</b>
<b>CMS</b>						<b>--</b>	<b>8.2</b>	<b>--</b>	<b>--</b>
<b>Lowest Characterization RBSL</b>						<b>0.021</b>	<b>1.1</b>	<b>0.063</b>	<b>4.27</b>
<b>RBSL Type</b>						<b>ECO</b>	<b>ECO</b>	<b>ECO</b>	<b>ECO</b>
<b>Object Name</b>	<b>Sample Name</b>	<b>Sample Date</b>	<b>Sample Depth (feet bgs)</b>	<b>Sample Status</b>	<b>Floor/Sidewall</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>
APBS0039	APBS0039S01	12/14/2006	0.5-1.0	In Place	Sidewall	0.14	7.1 J	5.7	0.00822
APBS1027	APBS1027S001	4/1/2009	0.0-0.5	Excavated	Sidewall	--	--	--	1.28
APBS1178	APBS1178S001	4/26/2010	0.0-1.0	Excavated	Sidewall	--	--	--	0.865
APBS1181	APBS1181S001	4/26/2010	0.0-1.0	Excavated	Sidewall	--	--	--	0.758
APBS1181	APBS1181AS001	11/29/2011	1.0-1.5	Excavated	Sidewall	0.24 J	12 J	26.4 J	--
APET0800	APET0800S001	11/29/2011	0.5-1.0	In Place	Sidewall	--	--	--	4.34
APET0800	APET0800S001SP	11/29/2011	0.5-1.0	In Place	Sidewall	--	--	--	3.2
APET0801	APET0801S001	11/29/2011	1.0-1.5	In Place	Sidewall	0.28 J	11.8 J	14.9 J	0.65
APET0802	APET0802S001	11/29/2011	1.0-1.5	In Place	Sidewall	0.214 J	10 J	8.59 J	--
APET0802	APET0802S001-RWQCB	11/29/2011	1.0-1.5	In Place	Sidewall	0.33	8.2	9.3	--
APET0804	APET0804S001	11/29/2011	2.0-2.5	Excavated	Floor	0.327 J	14.2 J	14.1 J	3.51
APET0805	APET0805S001	11/29/2011	2.0-2.5	Excavated	Floor	0.293 J	11.9 J	7.64 J	8.09
APET0806	APET0806D001	11/29/2011	2.0-2.5	Excavated	Floor	0.283 J	9.24 J	7.75 J	2.6
APET0806	APET0806S001	11/29/2011	2.0-2.5	Excavated	Floor	0.271 J	9.49 J	7.55 J	4.2
APET0807	APET0807S001	11/29/2011	2.0-2.5	In Place	Floor	--	--	--	0.07
APET0808	APET0808S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	2.21
APET0809	APET0809S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	3.76
APET0810	APET0810S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	4.83
APET0811	APET0811S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	2.94
APET0812	APET0812S001	11/29/2011	2.0-2.5	In Place	Floor	0.633 J	19.8 J	10.5 J	1.52
APET0812	APET0812S001-RWQCB	11/29/2011	2.0-2.5	In Place	Floor	0.25	12	6.0	1.42
APET0813	APET0813S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	3.20
APET0813	APET0813S001-RWQCB	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	4.30
APET0814	APET0814S001	11/29/2011	2.0-2.5	In Place	Floor	0.188 J	612 J	11.8 J	--
APET0814	APET0814S001-RWQCB	11/29/2011	2.0-2.5	In Place	Floor	0.20	380	6.1	--
APET0815	APET0815S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	0.73
APET0816	APET0816S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	0.86
APET0817	APET0817S001	11/29/2011	1.0-1.5	In Place	Floor	--	--	--	3.35
APET0818	APET0818S001	11/29/2011	2.0-2.5	In Place	Floor	--	34.7 J	--	1.72
APET0819	APET0819S001	11/29/2011	2.0-2.5	In Place	Floor	0.347 J	63.7 J	9.48 J	--
APET0820	APET0820S001	11/29/2011	2.0-2.5	In Place	Floor	0.288 J	7.83 J	4.81 J	--
APET0821	APET0821S001	12/7/2011	2.0-2.5	In Place	Floor	--	19.4	--	--
APET0822	APET0822S001	12/7/2011	2.0-2.5	In Place	Floor	--	159	--	--
APET0823	APET0823S001	12/7/2011	2.0-2.5	In Place	Floor	--	1,040	--	--
APET0825	APET0825D001	4/4/2012	2.0-2.5	In Place	Floor	--	26.8	--	--
APET0825	APET0825S001	4/4/2012	2.0-2.5	In Place	Floor	--	18.7	--	--
APET0826	APET0826S001	4/4/2012	2.0-2.5	In Place	Floor	--	14.8	--	--
APET0827	APET0827S001	10/1/2012	3.0-3.5	In Place	Floor	--	--	--	0.004
APET0827	APET0827S001-RWQCB	10/1/2012	3.0-3.5	In Place	Floor	--	--	--	0.023

**TABLE E-4.2  
AP/STP-1C-2 CONFIRMATION SAMPLE RESULTS - PHASE III ISRA IMPLEMENTATION  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY**

<b>Group</b>						<b>Metals</b>	<b>Metals</b>	<b>Metals</b>	<b>Dioxins</b>
<b>Preferred Analyte</b>						<b>Cadmium</b>	<b>Copper</b>	<b>Lead</b>	<b>TCDD TEQ</b>
<b>Result Value Units</b>						<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>pg/g</b>
<b>Background</b>						<b>1</b>	<b>29</b>	<b>34</b>	<b>0.87</b>
<b>ISRA SRG</b>						<b>1</b>	<b>29</b>	<b>34</b>	<b>3</b>
<b>CMS</b>						<b>--</b>	<b>8.2</b>	<b>--</b>	<b>--</b>
<b>Lowest Characterization RBSL</b>						<b>0.021</b>	<b>1.1</b>	<b>0.063</b>	<b>4.27</b>
<b>RBSL Type</b>						<b>ECO</b>	<b>ECO</b>	<b>ECO</b>	<b>ECO</b>
<b>Object Name</b>	<b>Sample Name</b>	<b>Sample Date</b>	<b>Sample Depth (feet bgs)</b>	<b>Sample Status</b>	<b>Floor/Sidewall</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>	<b>RESULTS</b>
APET0828	APET0828S001	10/1/2012	3.0-3.5	In Place	Floor	--	--	--	1.11
APET0829	APET0829S001	10/2/2013	1.0-1.5	In Place	Floor	--	--	--	0.78
APET0830	APET0830S001	10/2/2013	1.0-1.5	In Place	Floor	--	--	--	0.35
APET0830	APET0830S001-RWQCB	10/2/2013	1.0-1.5	In Place	Floor	--	--	--	0.32
APSS03	RF719	10/28/1997	0.0-0.0	Excavated	Sidewall	<1	9	12	--