

EE/CA Table 1

Metals and Pesticides in Surface Soil

Caneel Bay Site

Location ID:			IA-1-01 A	IA-1-01 B	IA-1-01 C	IA-1-02 A	IA-1-02 B	IA-1-02 C	IA-1-03 A	IA-1-03 B	IA-1-03 C	IA-1-04 A	IA-1-04 B	IA-1-04 C
Sample Date:			2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021	2/24/2021
Interval (ftbgs):			0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'
Analyte (mg/kg)	CAS	Soil Removal Goal												
<i>Metals</i>														
Arsenic	7440-38-2	2	2.2	2.5	2.3	5.9	5.4	7.6	2	1.9	2.2	1.7	1.7	1.9
Barium	7440-39-3	185	64	66	62	72	64	71	64	64	63	69	68	72
Copper	7440-50-8	99	99	120	120	96	83	87	85	84	85	77	78	79
Zinc	7440-66-6	147	110	110	110	120	100	110	71	67	72	150	110	140
<i>Pesticides</i>														
4,4-DDD	72-54-8	0.17	U / 0.0014	U / 0.0014	U / 0.0014	U / 0.0015	U / 0.0015	U / 0.0015	U / 0.0013	U / 0.0013	U / 0.0013	U / 0.0013	U / 0.0015	U / 0.0015
4,4-DDE	72-55-9	0.17	0.01	0.0037 J	0.0095	0.01	0.0064	0.017	U / 0.0013	U / 0.0014	U / 0.0013	U / 0.0013	U / 0.0015	U / 0.0015
4,4-DDT	50-29-3	0.17	0.0024 J	0.0046 J	0.0034 J	U / 0.0011	U / 0.0011	0.0031 J	U / 0.00097	U / 0.001	0.0016 J	U / 0.001	U / 0.11	U / 0.0011
DDT-Total		0.17	0.0124	0.0083	0.0129	0.01	0.0064	0.0201	U /	U /	0.0016	U /	U /	U /
Aldrin	309-00-2	0.018	U / 0.00075	U / 0.00073	U / 0.00074	U / 0.00076	U / 0.00076	U / 0.00077	U / 0.00066	U / 0.00069	U / 0.00066	U / 0.00069	U / 0.00078	U / 0.00076
alpha-Chlordane	5103-71-9	1.2	U / 0.0015	U / 0.0014	U / 0.0014	U / 0.0015	U / 0.0015	U / 0.0015	U / 0.0013	U / 0.0013	U / 0.0013	U / 0.0013	U / 0.0015	U / 0.0015
Chlordane, Technical	12789-03-6	1.2	U / 0.012	U / 0.011	U / 0.012	U / 0.012	U / 0.012	U / 0.012	U / 0.01	U / 0.011	U / 0.01	U / 0.011	U / 0.012	U / 0.012
trans-Chlordane	5103-74-2	1.2	U / 0.0012	U / 0.0012	U / 0.0012	U / 0.0012	U / 0.0012	U / 0.0012	U / 0.0011	U / 0.0011	U / 0.0011	U / 0.0011	U / 0.0012	U / 0.0012
Dieldrin	60-57-1	0.034	U / 0.0011	U / 0.001	U / 0.0011	U / 0.0011	U / 0.0011	0.0011 J	U / 0.00095	U / 0.00099	U / 0.00095	U / 0.00098	U / 0.0011	U / 0.0011

Notes

- J Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ
- J+ Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ (High Bias)
- U Value is below the Laboratory MDL (Limit Shown)
- mg/kg Milligrams per kilogram

EE/CA Table 1

Metals and Pesticides in Surface Soil

Caneel Bay Site

Location ID:			IA-2-01 A	IA-2-01 B	IA-2-01 C	IA-2-02 A	IA-2-02 B	IA-2-02 C	IA-2-03 A	IA-2-03 B	IA-2-03 C	IA-2-04 A	IA-2-04 B	IA-2-04 C
Sample Date:			2/20/2021	2/20/2021	2/20/2021	2/20/2021	2/20/2021	2/20/2021	2/18/2021	2/18/2021	2/18/2021	2/18/2021	2/18/2021	2/18/2021
Interval (ftbgs):			0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'
Analyte (mg/kg)	CAS	Soil Removal Goal												
<i>Metals</i>														
Arsenic	7440-38-2	2	5.2	5.2	6.8	2.6	2.8	2.4	4.2	3.9 J+	3.7 J+	6.8	5.9	8.2
Barium	7440-39-3	185	96	90	220	61	66	64	56	54 J+	56 J+	49	50	47
Copper	7440-50-8	99	79	86	84	200	84	86	75	72 J+	75 J+	83	91	85
Zinc	7440-66-6	147	300	320	330	130	170	140	110	95 J+	94 J+	140	130	130
<i>Pesticides</i>														
4,4-DDD	72-54-8	0.17	U / 0.03	U / 0.015	U / 0.015	2.1	2.4	2.2	U / 0.0015	U / 0.0014	U / 0.0015	U / 0.0074	U / 0.0015	U / 0.0014
4,4-DDE	72-55-9	0.17	0.031 J	0.028 J	0.16	2.7	3.1	3.9	0.0075	0.013 J+	0.0089 J+	0.022 J	0.02	0.048
4,4-DDT	50-29-3	0.17	U / 0.023	0.097	0.039 J	3.9	6.7	6.2	0.0041 J	0.0045 J	0.0021 J	U / 0.0057	0.0048 J	0.0054
DDT-Total		0.17	0.031	0.125	0.199	6.6	9.8	10.1	0.0116	0.0175	0.011	U /	0.0248	0.0534
Aldrin	309-00-2	0.018	0.024 J	0.022 J	0.043 J	U / 0.036	U / 0.015	U / 0.038	U / 0.00077	U / 0.00074	U / 0.00077	U / 0.0039	U / 0.00076	U / 0.00075
alpha-Chlordane	5103-71-9	1.2	U / 0.03	U / 0.015	U / 0.015	U / 0.07	0.14	U / 0.075	U / 0.0015	U / 0.0014	U / 0.0015	U / 0.0075	U / 0.0015	0.0066
Chlordane, Technical	12789-03-6	1.2	U / 0.24	U / 0.12	U / 0.12	U / 0.56	0.67 J	U / 0.6	U / 0.012	U / 0.012	U / 0.012	U / 0.06	0.017 J	0.034 J
trans-Chlordane	5103-74-2	1.2	U / 0.025	U / 0.012	U / 0.012	U / 0.057	0.13 J-	U / 0.061	U / 0.0012	U / 0.0012	U / 0.0012	0.0069 J	0.0024 J	0.0063 J-
Dieldrin	60-57-1	0.034	2.3	1.3	5.4	U / 0.051	0.021 J	U / 0.055	U / 0.0011	U / 0.0011	U / 0.0011	U / 0.0055	0.0021 J	0.0067

Notes

- J Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ
- J+ Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ (High Bias)
- U Value is below the Laboratory MDL (Limit Shown)
- mg/kg Milligrams per kilogram

EE/CA Table 1

Metals and Pesticides in Surface Soil

Caneel Bay Site

Location ID:			IA-2-05A	IA-2-05B	IA-2-05C	IA-3-01 A	IA-3-01 B	IA-3-01 C	IA-3-02 A	IA-3-02 B	IA-3-02 C	IA-3-03 A	IA-3-03 B	IA-3-03 C
Sample Date:			2/16/2021	2/16/2021	2/16/2021	2/21/2021	2/21/2021	2/21/2021	2/21/2021	2/21/2021	2/21/2021	2/23/2021	2/23/2021	2/23/2021
Interval (ftbgs):			0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'
Analyte (mg/kg)	CAS	Soil Removal Goal												
<i>Metals</i>														
Arsenic	7440-38-2	2	8.2 *	11	10	1.7	1.9 J+	2.1 J+	2.5	2.6	3	2.2	2	3.2
Barium	7440-39-3	185	67 *	72	70	66	65 J+	72 J+	64	58	55	85	77	74
Copper	7440-50-8	99	76 *	82	84	77	78 J+	81 J+	72	65	65	62	60	110
Zinc	7440-66-6	147	79 *	96	98	74	72 J+	76 J+	64	65	59	44	42	54
<i>Pesticides</i>														
4,4-DDD	72-54-8	0.17	U / 0.0014	U / 0.0014	U / 0.0015	U / 0.0013	U / 0.0065	U / 0.0014	0.0047 J	U / 0.0015	U / 0.0015	U / 0.0014	U / 0.0015	U / 0.0015
4,4-DDE	72-55-9	0.17	0.0029 J	0.0027 J	0.0034 J	0.0083	0.014 J	0.0085 J+	0.012	0.0042 J	0.0041 J	U / 0.0014	U / 0.0015	U / 0.0015
4,4-DDT	50-29-3	0.17	0.0012 J	0.0015 J	0.0016 J	0.012	0.009 J	0.0032 J	0.17	0.0028 J	0.0024 J	U / 0.0011	U / 0.0011	U / 0.0011
DDT-Total		0.17	0.0041	0.0042	0.005	0.0203	0.023	0.0117	0.1867	0.007	0.0065	U /	U /	U /
Aldrin	309-00-2	0.018	U / 0.00074	U / 0.00072	U / 0.00077	0.0014 J	0.0073 J	0.0022 J	U / 0.00078	0.0012 J	U / 0.00076	U / 0.00072	U / 0.00077	U / 0.00077
alpha-Chlordane	5103-71-9	1.2	U / 0.0014	U / 0.0014	U / 0.0015	U / 0.0013	U / 0.0066	U / 0.0015	U / 0.0015	U / 0.0015	U / 0.0015	U / 0.0014	U / 0.0015	U / 0.0015
Chlordane, Technical	12789-03-6	1.2	U / 0.011	U / 0.011	U / 0.012	U / 0.01	U / 0.053	U / 0.012	U / 0.012	U / 0.012	U / 0.012	U / 0.011	U / 0.012	U / 0.012
trans-Chlordane	5103-74-2	1.2	U / 0.0012	U / 0.0011	U / 0.0012	U / 0.0011	U / 0.0054	U / 0.0012	U / 0.0012	U / 0.0012	U / 0.0012	U / 0.0012	0.0035 J	U / 0.0012
Dieldrin	60-57-1	0.034	U / 0.0011	U / 0.001	U / 0.0011	0.0087	0.0065 J	0.011 J+	0.0028 J	0.0025 J	U / 0.0011	U / 0.001	U / 0.0011	U / 0.0011

Notes

- J Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ
- J+ Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ (High Bias)
- UJ Value is below the estimated Laboratory MDL (Limit shown)
- mg/kg Milligrams per kilogram

EE/CA Table 1

Metals and Pesticides in Surface Soil

Caneel Bay Site

Location ID:			IA-3-04 A	IA-3-04 B	IA-3-04 C	IA-REF-01 A	IA-REF-01 B	IA-REF-01 C	IA-REF-02 A	IA-REF-02 B	IA-REF-02 C
Sample Date:			2/23/2021	2/23/2021	2/23/2021	2/22/2021	2/22/2021	2/22/2021	2/19/2021	2/19/2021	2/19/2021
Interval (ftbgs):			0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Analyte (mg/kg)	CAS	Soil Removal Goal									
<i>Metals</i>											
Arsenic	7440-38-2	2	1.8	2.3	2.3	1.2 J	0.68 J	U / 0.084	1.6	1.6	2
Barium	7440-39-3	185	67	64	63	72	53	73	74	73	75
Copper	7440-50-8	99	67	61	60	63	43	62	73	76	79
Zinc	7440-66-6	147	74	74	89	38	29	40 B	50	49	54
<i>Pesticides</i>											
4,4-DDD	72-54-8	0.17	U / 0.0015	U / 0.0015	0.0017 J	U / 0.0015	U / 0.0015	U / 0.0014	U / 0.0074	U / 0.0015	U / 0.0015
4,4-DDE	72-55-9	0.17	0.0091	0.0086	0.024	U / 0.0015	U / 0.0015	U / 0.0014	U / 0.0076	U / 0.0015	0.022
4,4-DDT	50-29-3	0.17	U / 0.0011	0.0029 J	U / 0.001	U / 0.0011	U / 0.0011	U / 0.0011	U / 0.0057	U / 0.0011	0.008
DDT-Total		0.17	U /	0.0115	0.024	U	U	U	U	U	0.03
Aldrin	309-00-2	0.018	U / 0.00077	U / 0.00076	U / 0.00069	U / 0.00076	U / 0.00077	U / 0.00072	U / 0.0039	U / 0.00075	U / 0.00076
alpha-Chlordane	5103-71-9	1.2	U / 0.0015	U / 0.0015	U / 0.0013	U / 0.0015	U / 0.0015	U / 0.0014	U / 0.0075	U / 0.0015	U / 0.0015
Chlordane, Technical	12789-03-6	1.2	U / 0.012	U / 0.012	U / 0.011	U / 0.012	U / 0.012	U / 0.011	U / 0.06	U / 0.012	U / 0.012
trans-Chlordane	5103-74-2	1.2	U / 0.0012	U / 0.0012	U / 0.0011	U / 0.0012	U / 0.0012	U / 0.0012	U / 0.0062	U / 0.0012	U / 0.0012
Dieldrin	60-57-1	0.034	0.0019 J	U / 0.0011	0.0044 J	U / 0.0011	U / 0.0011	U / 0.001	U / 0.0055	U / 0.0011	0.0065

Notes

- J Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ
- J+ Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ (High Bias)
- UJ Value is below the estimated Laboratory MDL (Limit shown)
- mg/kg Milligrams per kilogram

EE/CA Table 2

Metals and Pesticides in Subsurface Soil

Caneel Bay Site

Location ID:			SC-3-01	SC-3-01	SC-3-02	SC-3-02	SC-3-03	SC-3-03	SC-3-04	SC-3-04	SC-3-06	SC-3-06	SC-3-07	SC-3-07	SC-3-08
Sample Date:			2/17/2021	2/17/2021	2/19/2021	2/19/2021	2/19/2021	2/19/2021	2/19/2021	2/19/2021	2/19/2021	2/19/2021	2/19/2021	2/19/2021	2/21/2021
Interval (ftbgs):			0.5 - 2.5'	5 - 6'	0 - 3'	3 - 6'	0 - 3'	3 - 6'	0 - 3'	3 - 6'	0 - 3'	3 - 6'	0 - 3'	3 - 6'	0 - 3'
Analyte (mg/kg)	CAS	Soil Removal Goal													
<i>Metals</i>															
Arsenic	7440-38-2	2	1	3.3	0.61 J	0.71 J	4.9	2.7	0.99	1.1	2	1.4	5.7	0.76 J	2.6
Barium	7440-39-3	185	47	60	40	56	43	54	66	60	81	58	66	52	60
Copper	7440-50-8	99	60	56	54	58	73	68	64	65	90	76	72	67	71
Zinc	7440-66-6	147	51	69	46	48	65	62	43	50	74	63	92	53	74
<i>Pesticides</i>															
4,4-DDD	72-54-8	0.17	U / 0.0017	U / 0.0016	U / 0.0015	U / 0.0017	U / 0.0016	U / 0.0017	U / 0.0017	U / 0.0018	0.012 J-	U / 0.0018	U / 0.0017	U / 0.0016	0.015
4,4-DDE	72-55-9	0.17	0.0076	0.0031 J	U / 0.0015	0.0049 J	U / 0.0017	U / 0.0018	U / 0.0017	U / 0.0018	0.0096	0.0034 J	0.046	U / 0.0017	0.049
4,4-DDT	50-29-3	0.17	0.0022 J	0.0021 J	U / 0.0011	U / 0.0013	U / 0.0012	U / 0.0013	U / 0.0013	U / 0.0014	0.092	U / 0.0013	0.0037 J	U / 0.0013	0.1
DDT-Total		0.17	0.0098	0.0052	U /	0.0049	U /	U /	U /	U /	0.1136	0.0034	0.0497	U /	0.164
Aldrin	309-00-2	0.018	U / 0.00087	U / 0.00083	U / 0.00078	U / 0.00088	U / 0.00085	U / 0.0009	U / 0.00088	U / 0.00092	U / 0.0011	U / 0.00091	U / 0.00086	U / 0.00085	U / 0.00085
alpha-Chlordane	5103-71-9	1.2	U / 0.0017	U / 0.0016	U / 0.0015	U / 0.0017	U / 0.0017	U / 0.0018	U / 0.0017	U / 0.0018	U / 0.0021	U / 0.0018	U / 0.0017	U / 0.0017	U / 0.0017
Chlordane, Technical	12789-03-6	1.2	U / 0.014	U / 0.013	U / 0.012	U / 0.014	U / 0.013	U / 0.014	U / 0.014	U / 0.014	U / 0.017	U / 0.014	U / 0.013	U / 0.013	U / 0.013
trans-Chlordane	5103-74-2	1.2	U / 0.0014	U / 0.0013	U / 0.0012	U / 0.0014	U / 0.0014	U / 0.0014	U / 0.0014	0.0015 J	U / 0.0017	U / 0.0015	U / 0.0014	U / 0.0014	0.0038 J
Dieldrin	60-57-1	0.034	U / 0.0012	U / 0.0012	U / 0.0011	U / 0.0013	U / 0.0012	U / 0.0013	U / 0.0013	U / 0.0013	U / 0.0016	U / 0.0013	U / 0.0012	U / 0.0012	U / 0.0012

Refer to notes page at end of tables for sources and definitions.

Notes

- J Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ
- J+ Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ (High Bias)
- U Value is below the Laboratory MDL (Limit Shown)
- mg/kg Milligrams per kilogram

EE/CA Table 2

Metals and Pesticides in Subsurface Soil

Caneel Bay Site

Location ID:			SC-3-08	SC-3-09	SC-3-09	SC-3-10	SC-3-10	SC-3-11	SC-3-11	SC-REF-01	SC-REF-02	SC-REF-03
Sample Date:			2/21/2021	2/21/2021	2/21/2021	2/22/2021	2/22/2021	2/21/2021	2/21/2021	2/21/2021	2/21/2021	2/21/2021
Interval (ftbgs):			3 - 6'	0 - 3'	3 - 6'	0 - 3'	3 - 6'	0 - 3'	3 - 6'	0 - 0.5'	0 - 2.6'	0 - 3'
Analyte (mg/kg)	CAS	Soil Removal Goal										
<i>Metals</i>												
Arsenic	7440-38-2	2	1.1	1.9	2.3	1.4	1.4	1.3	2.6	0.55 J	0.51 J	6.3
Barium	7440-39-3	185	66	51	46	38	49	35	51	59	46	46
Copper	7440-50-8	99	63	69	57	55	56	58 J	47	65	73	41
Zinc	7440-66-6	147	37	63	61	38	53	43	58	43	46	77 J
<i>Pesticides</i>												
4,4-DDD	72-54-8	0.17	U / 0.0019	U / 0.0017	U / 0.0016	U / 0.0015	U / 0.0018	U / 0.0017	U / 0.0017	U / 0.0015	U / 0.0016	U / 0.0016
4,4-DDE	72-55-9	0.17	U / 0.002	0.017	0.0079	U / 0.0016	0.01	0.016 J+	0.0044 J	U / 0.0016	U / 0.0016	0.004 J
4,4-DDT	50-29-3	0.17	U / 0.0015	0.0033 J	0.0052 J	U / 0.0012	U / 0.0014	0.0057 J+	U / 0.0013	U / 0.0012	U / 0.0012	U / 0.0012
DDT-Total		0.17	U /	0.0203	0.0131	U /	0.01	0.0217	0.0044	U /	U /	0.004
Aldrin	309-00-2	0.018	U / 0.001	U / 0.00087	U / 0.00082	U / 0.0008	U / 0.00095	U / 0.00086	0.002 J	U / 0.0008	U / 0.00082	U / 0.00082
alpha-Chlordane	5103-71-9	1.2	U / 0.002	U / 0.0017	U / 0.0016	U / 0.0016	U / 0.0019	U / 0.0017	U / 0.0017	U / 0.0016	U / 0.0016	U / 0.0016
Chlordane, Technical	12789-03-6	1.2	U / 0.016	U / 0.014	U / 0.013	U / 0.013	U / 0.015	U / 0.013	U / 0.014	U / 0.013	U / 0.013	U / 0.013
trans-Chlordane	5103-74-2	1.2	U / 0.0016	0.0014 J	U / 0.0013	U / 0.0013	U / 0.0015	U / 0.0014	U / 0.0014	U / 0.0013	U / 0.0013	U / 0.0013
Dieldrin	60-57-1	0.034	U / 0.0014	U / 0.0012	U / 0.0012	U / 0.0011	U / 0.0014	0.0033 J	U / 0.0013	U / 0.0011	U / 0.0012	U / 0.0012

Refer to notes page at end of tables for sources

Notes

- J Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ
- J+ Value is estimated greater than Laboratory MDL, but less than Laboratory LOQ (High Bias)
- U Value is below the Laboratory MDL (Limit Shown)
- mg/kg Milligrams per kilogram

EE/CA Table 3
Summary of Surface Soil Results, Background
Comparison, and 95% UCL Calculations
Caneel Bay Site

					Area 1					Area 2							Area 3						
					Calculated 95% UCL (mg/kg) by DU					Calculated 95% UCL (mg/kg) by DU							Calculated 95% UCL (mg/kg) by DU						
		Project Action Level (PAL)	Site Background (mg/kg)	Rec. Removal Goal (RG) (mg/kg)							IA-2-01, IA-2-04, IA-2-05							IA-3-01, IA-3-02, IA-3-04					
Analyte	CAS	(mg/kg)	(mg/kg)	(mg/kg)	IA-1	IA-1-01	IA-1-02	IA-1-03	IA-1-04	IA-2-02	IA-2-03	IA-2-04	IA-2-05	IA-2-06	IA-2-07	IA-2-08	IA-3	IA-3-03	IA-3-04	IA-3-05	IA-3-06	IA-3-07	
Antimony	7440-36-0	0.248	0.290	NA	0.271	0.273	0.270	0.288	0.270	0.252	0.271	0.289	0.219	0.304	0.403	0.233	0.286	0.286	0.295	0.286	0.283	0.283	
Arsenic	7440-38-2	0.250	2.00	To be determined	5.25	2.59	8.24	2.29	1.96	5.63	8.16	7.29	2.94	4.36	8.92	12.13	2.43	2.45	2.24	3.15	4.08	2.62	
Barium	7440-39-3	17.2	83.3		185	70.5	67.4	76.3	64.6	73.2	228.9	60.9	320.0	67.9	57.3	51.2	73.9	68.2	68.0	74.0	66.7	88.3	68.2
Beryllium	7440-41-7	2.42	0.342	NA	0.289	0.315	0.276	0.253	0.247	0.267	0.272	0.277	0.250	0.253	0.282	0.315	0.229	0.228	0.236	0.232	0.316	0.257	
Cadmium	7440-43-9	0.270	0.182	NA	0.233	0.340	0.159	0.118	0.117	0.349	0.476	0.335	0.409	0.177	1.099	0.432	0.110	0.110	0.115	0.099	0.223	1.30	
Chromium	7440-47-3	NA	44.5	NA	53.9	47.6	61.5	49.2	58.9	39.3	30.7	41.6	36.6	33.7	34.9	28.6	25.8	25.9	26.6	27.2	23.4	21.3	
Copper	7440-50-8	14.0	85.0	99.0	109	133	99.9	85.6	79.7	157	83	89.1	290	76.9	93.4	87.7	77	77	82.2	74.1	149	69.0	
Lead	7439-92-1	0.940	18.1	NA	10.99	12.61	10.32	10.00	5.75	28.36	24.43	28.18	33.75	13.69	25.58	35.56	44.13	44.71	71.92	8.86	18.14	53.23	
Mercury	7439-97-6	0.013	0.08	NA	0.029	0.038	0.027	0.028	0.025	0.091	0.049	0.058	0.164	0.055	0.057	0.053	0.068	0.068	0.096	0.046	0.025	0.043	
Nickel	7440-02-0	10.0	19.8	NA	29.4	30.7	29.8	23.7	26.7	19.3	20.7	19.3	20.7	18.3	19.6	24.4	15.8	15.9	16.3	16.7	12.3	12.0	
Selenium	7782-49-2	0.331	0.340	NA	0.243	0.284	0.232	0.249	1.121	0.346	0.298	0.369	0.338	0.270	0.276	0.338	0.979	0.989	1.28	1.10	0.360	0.369	
Silver	7440-22-4	2.00	0.209	NA	0.056	0.070	0.051	0.065	0.041	0.089	0.083	0.086	0.113	0.061	0.120	0.112	0.050	0.048	0.058	0.037	0.143	0.033	
Thallium	7440-28-0	0.027	0.192	NA	0.144	0.183	0.135	0.143	0.135	0.144	0.140	0.146	0.143	0.142	0.140	0.143	0.141	0.141	0.143	0.143	0.143	0.142	
Zinc	7440-66-6	6.62	56.6	147	118	110	127	74.5	168	273	113	342	182	115	143	109	71.4	71.8	77.4	68.1	57.5	93.6	
DDD	72-54-8	0.002	0.014	0.170	0.002	0.002	0.003	0.003	0.003	0.908	0.008	0.070	2.49	0.003	0.020	0.003	0.012	0.012	0.018	0.006	0.003	0.003	
DDE	72-55-9	0.002	0.020	0.170	0.017	0.017	0.025	0.002	0.003	1.76	0.025	0.263	4.26	0.017	0.069	0.004	0.015	0.016	0.018	0.018	0.003	0.036	
DDT	50-29-3	0.000	0.000	0.170	High	Med	Low	Low	0.445*	Med	High	High	Med	High	High	Low	High	High	High	High	Low	Low	
DDT Total	NA	NA	0.049	0.170	0.026	0.018	0.031	0.007	0.450*	5.27	0.031	0.292	14.5	0.025	0.080	0.008	0.147	0.150	0.049	0.326	0.008	0.039	
Aldrin	309-00-2	0.003	0.014	0.018	0.002	0.002	0.003	0.002	0.003	0.095	0.008	0.059	0.201	0.003	0.020*	0.003	0.008	0.008	0.012	0.004	0.003	0.003	
Dieldrin	60-57-1	0.005	0.013	0.034	0.003	0.002	0.004	0.002	0.003	5.43	0.008	8.38	0.231	0.003	0.020	0.003	0.009	0.009	0.014	0.003	0.003	0.006	
Chlordane	12789-03-6	0.220	0.142	1.20	0.025	0.024	0.025	0.023	0.027	0.942	0.117	0.697	1.80	0.258	0.205	0.025	0.112	0.114	0.178	0.026	0.026	0.026	
Benz(a)pyrene	50-32-8	0.100	0.008	NA	0.062	0.096	0.048	0.340	0.105	0.135	0.043	0.142	0.142	0.089	0.039	0.041	0.071	0.072	0.109	0.041	0.008	0.133	

- Notes**
- Bolded value indicates concentrations statistically exceed Site-specific surface soil background concentrations with a confidence level of 90% ($\alpha=0.1$).
 - Yellow-shaded cell indicates the 95% UCL of the mean concentration exceeds the Recommended RG ($\alpha=0.05$).
 - Where analytes were not detected in individual samples, 50% of the laboratory reporting limit was substituted for the analyte concentration.
 - Only analytes for which concentrations in at least one sample exceeded its respective PAL are presented in this table.
 - Asterisk (*) following value indicates analyte was not detected in sample but UCL exceeds RG due to an elevated laboratory report limit in one sample replicate.

Acronyms & Abbreviations	
CAS	Chemical Abstracts Service
DDD	Dichlorodiphenyldichloroethane
DDT	Dichlorodiphenyltrichloroethane
DDT Total	Sum of DDT and metabolites (DDE, DDD)
DU	Decision Unit
mg/kg	Milligrams per Kilogram
ISM	Incremental Sampling Methodology
NA	Not Applicable
Rec.	Recommended
RG	Removal Goal
PAL	Projection Action Level
UCL	Upper Confidence Level

EE/CA Table 4
Summary of Subsurface Soil Results, Background
Comparison, and 95% UCL Calculations
Caneel Bay Site

Analyte	CAS	Project Action Level (PAL) (mg/kg)	Site Background (mg/kg)	Recommended Removal Goal (RG) (mg/kg)	Calculated 95% UCL (mg/kg) by Sample Interval		
					Area 3 - All Subsurface Soil	Area 3 - Shallow Subsurface Soil	Area 3 - Deep Subsurface Soil
Arsenic	7440-38-2	0.250	2.00	To be determined	2.53	3.24	2.31
Barium	7440-39-3	17.2	83.3	185	58.2	60.9	58.9
Cadmium	7440-43-9	0.270	0.182	NA	0.188	0.276	0.124
Chromium	7440-47-3	NA	44.5	NA	23.2	26.1	23.1
Copper	7440-50-8	14.0	85.0	99.0	67.3	72.4	65.9
Lead	7439-92-1	0.940	18.1	NA	7.01	8.46	6.92
Nickel	7440-02-0	10.0	19.8	NA	13.5	14.4	13.6
Zinc	7440-66-6	6.62	56.6	147	62.2	68.3	61.2
DDD	72-54-8	0.002	0.014	0.170	0.005	0.008	0.003
DDE	72-55-9	0.002	0.020	0.170	0.015	0.025	0.008
DDT	50-29-3	0.002	None	0.170	0.036	0.067	0.004
DDT Total	NA	NA	0.049	0.170	0.061	0.073	0.014

Notes

1. Bolded value indicates concentrations statistically exceed Site-specific subsurface soil background concentrations with a confidence level of 90% ($\alpha=0.1$).
2. Where analytes were not detected in individual samples, 50% of the laboratory reporting limit was substituted for the analyte concentration.
3. Only analytes for which concentrations in at least one sample exceeded its respective PAL are presented in this table.
4. Shallow subsurface soils represent samples collected between approximately 0.5 ft bgs and 3 ft bgs.
5. Deep subsurface soils represent samples collected between approximately 4 ft bgs and 6 ft bgs.

Acronyms & Abbreviations

CAS	Chemical Abstracts Service
DDD	Dichlorodiphenyldichloroethane
DDT	Dichlorodiphenyltrichloroethane
DDT Total	Sum of DDT and metabolites (DDE, DDD)
ft bgs	Feet Below Ground Surface
mg/kg	Milligrams per Kilogram
Rec.	Recommended
RG	Removal Goal
PAL	Projection Action Level
UCL	Upper Confidence Level

EE/CA Table 5
Example Site-Specific Background Comparison and 95% UCL Calculation
Caneel Bay Site

Analyte: 4,4'-DDT

CAS: 50-29-3

PAL (mg/kg): 0.002

Significance Level (α): 0.1

Standard Deviation Multiplier: 5

Significant Difference (S): 0.0092

Site-Specific Background Value (mg/kg): 0.014

Site-Specific Background Value (mg/kg) 0.014					Welch's T Test										Statistical Power						95% UCL Calculation									
Row # IDs/Names of the Smaller DUs		DU Area (Acres)	Replicate field sample concentrations			Number of Replicates	Weight	Arithmetic Mean	Standard Deviation of Replicates	Welch's T	Degrees of Freedom	T-Critical Point	P-Value	Hypothesis Test	Non-Centrality Parameter, δ	Power	β	Hypothesis Test	calc'd Standard Deviation of Increments	calc'd Coefficient of Variation for the DU	Adjustment Factor	adj'd Standard Deviation of Increments	adj'd Coefficient t of Variation for DU	SE of DU	Degrees of Freedom by Welch-Satterthwaite approximation:	95% UCL				
			A	B	C																					Student's-t	Chebychev	CV of Increments	95% UCL	
1	IA-REF-01	0.3	0.0025	0.0025	0.0024	3	0.64	0.00	0.00										0.00	0.20	1.13	0.00	0.22	0.00		0.003	0.003	Low	0.003	
2	IA-REF-02	0.1	0.0125	0.0025	0.0080	3	0.36	0.01	0.01										0.03	4.16	2.11	0.07	8.79	0.00		0.016	0.020	High	0.020	
IA-REF Sum:			0.40	--	--	6	1.00	0.00	0.00										0.07	2.68	NA	0.02	5.65	0.00	2.0	0.007	0.009	High	0.009	
1	IA-1-01	0.2	0.0024	0.0046	0.0034	3	0.47	0.00	0.00										0.01	2.01	1.33	0.01	2.66	0.00		0.005	0.006	Med	0.006	
2	IA-1-02	0.2	0.0025	0.0025	0.0031	3	0.49	0.00	0.00										0.00	0.85	1.15	0.00	0.98	0.00		0.003	0.004	Low	0.003	
3	IA-1-03	0.0	0.0022	0.0023	0.0016	3	0.02	0.00	0.00										0.00	1.11	1.17	0.00	1.30	0.00		0.003	0.003	Low	0.003	
4	IA-1-04	0.0	0.0023	0.2500	0.0025	3	0.02	0.08	0.14										0.90	10.65	8.10	7.32	86.20	0.08		0.326	0.445	High	0.445	
IA-1			0.38	--	--	12	1.00	0.00	0.00	-9.061	12.67	-1.356	0.000	Reject null hypothesis - mean not above background	9.083	1.000	0.000	Beta does not exceed specified Type II error	0.07	3.47	NA	0.12	26.84	0.00	2.2	0.008	0.010	High	0.010	
1	IA-2-01	0.3	0.0500	0.0970	0.0390	3	0.29	0.06	0.03										0.19	3.14	1.66	0.32	5.23	0.02		0.114	0.140	High	0.140	
2	IA-2-02	0.1	3.9000	6.7000	6.2000	3	0.16	5.60	1.49										9.44	1.69	1.26	11.89	2.12	0.86		8.118	9.358	Med	9.358	
3	IA-2-03	0.1	0.0041	0.0045	0.0021	3	0.16	0.00	0.00										0.01	2.28	1.39	0.01	3.17	0.00		0.006	0.007	High	0.007	
4	IA-2-04	0.1	0.0125	0.0048	0.0054	3	0.16	0.01	0.00										0.03	3.58	1.84	0.05	6.59	0.00		0.015	0.018	High	0.018	
5	IA-2-05	0.2	0.0012	0.0015	0.0016	3	0.23	0.00	0.00										0.00	0.92	1.15	0.00	1.06	0.00		0.002	0.002	Low	0.002	
IA-2			0.91	--	--	15	1.00	0.97	0.24	14.618	14.00	-1.345	1.000	Do not reject null hypothesis, mean above background	0.150	0.559	0.441	Beta exceeds specified Type II error	1.50	1.65	NA	1.89	2.08	0.14	2.0	1.306	1.503	Med	1.503	
1	IA-3-01	0.3	0.0120	0.0090	0.0032	3	0.57	0.01	0.00										0.03	3.51	1.81	0.05	6.35	0.00		0.016	0.019	High	0.019	
2	IA-3-02	0.2	0.1700	0.0028	0.0024	3	0.41	0.06	0.10										0.61	10.47	7.85	4.80	82.21	0.06		0.221	0.302	High	0.302	
3	IA-3-03	0.0	0.0024	0.0025	0.0025	3	0.02	0.00	0.00										0.00	0.22	1.13	0.00	0.25	0.00		0.003	0.003	Low	0.003	
4	IA-3-04	0.0	0.0025	0.0029	0.0023	3	0.01	0.00	0.00										0.00	0.81	1.15	0.00	0.93	0.00		0.003	0.003	Low	0.003	
IA-3			0.59	--	--	12	1.00	0.03	0.04	1.307	11.10	-1.363	0.891	Do not reject null hypothesis, mean above background	0.805	0.781	0.219	Beta exceeds specified Type II error	0.25	8.77	NA	1.95	68.75	0.02	2.0	0.095	0.128	High	0.128	
1	IA-3-01	0.3	0.0120	0.0090	0.0032	3	0.58	0.01	0.00										0.03	3.51	1.81	0.05	6.35	0.00		0.016	0.019	High	0.019	
2	IA-3-02	0.2	0.1700	0.0028	0.0024	3	0.41	0.06	0.10										0.61	10.47	7.85	4.80	82.21	0.06		0.221	0.302	High	0.302	
3	IA-3-04	0.0	0.0025	0.0029	0.0023	3	0.01	0.00	0.00										0.00	0.81	1.15	0.00	0.93	0.00		0.003	0.003	Low	0.003	
IA-3-01, IA-3-02, IA-3-04			0.58	--	--	9	1.00	0.03	0.04	1.146	8.05	-1.397	0.857	Do not reject null hypothesis, mean above background	0.687	0.744	0.256	Beta exceeds specified Type II error	0.25	8.78	NA	1.98	68.84	0.02	2.0	0.096	0.129	High	0.129	
1	IA-3-03	0.0	0.0024	0.0025	0.0025	3	1.00	0.00	0.00										0.00	0.22	1.13	0.00	0.25	0.00		0.003	0.003	Low	0.003	
IA-3-03			0.07	--	--	3	1.00	0.00	0.00	-14.730	5.04	-1.476	0.000	Reject null hypothesis - mean not above background	12.220	1.000	0.000	Beta does not exceed specified Type II error	0.00	0.22	NA	0.00	0.25	0.00	2.0	0.003	0.003	Low	0.003	
1	IA-Ref-01	0.3	0.0025	0.0025	0.0024	3	1.00	0.00	0.00										0.00	0.20	1.13	0.00	0.22	0.00		0.003	0.003	Low	0.003	
IA-Ref-01			0.25	--	--	3	1.00	0.00	0.00	-14.759	5.03	-1.476	0.000	Reject null hypothesis - mean not above background	12.226	1.000	0.000	Beta does not exceed specified Type II error	0.00	0.20	NA	0.00	0.22	0.00	2.0	0.003	0.003	Low	0.003	
1	IA-Ref-02	0.1	0.0125	0.0025	0.0080	3	1.00	0.01	0.01										0.03	4.16	2.11	0.07	8.79	0.00		0.016	0.020	High	0.020	
IA-Ref-02			0.15	--	--	3	1.00	0.01	0.01	-1.952	2.27	-1.886	0.095	Reject null hypothesis - mean not above background	3.056	0.954	0.046	Beta does not exceed specified Type II error	0.03	4.16	NA	0.07	8.79	0.00	2.0	0.016	0.020	High	0.020	
1	IA-2-01	0.3	0.0500	0.0970	0.0390	3	0.64	0.06	0.03										0.19	3.14	1.66	0.32	5.23	0.02		0.114	0.140	High	0.140	
2	IA-2-02	0.1	3.9000	6.7000	6.2000	3	0.36	5.60	1.49										9.44	1.69	1.26	11.89	2.12	0.86		8.118	9.358	Med	9.358	
IA-2-01, IA-2-02			0.41	--	--	6	1.00	2.03	0.53	9.301	5.00	-1.476	1.000	Do not reject null hypothesis, mean above background	0.042	0.516	0.484	Beta exceeds specified Type II error	3.36	1.65	NA	4.23	2.08	0.37	2.0	2.927	3.368	Med	3.368	
1	IA-2-03	0.1	0.0041	0.0045	0.0021	3	0.29	0.00	0.00										0.01	2.28	1.39	0.01	3.17	0.00		0.006	0.007	High	0.007	
2	IA-2-04	0.1	0.0125	0.0048	0.0054	3	0.29	0.01	0.00										0.03	3.58	1.84	0.05	6.59	0.00		0.015	0.018	High	0.018	
3	IA-2-05	0.2	0.0012	0.0015	0.0016	3	0.41	0.00	0.00										0.00	0.92	1.15	0.00	1.06	0.00		0.002	0.002	Low	0.002	
IA-2-03, IA-2-04, IA-2-05			0.50	--	--	9	1.00	0.00	0.00	-11.120	8.40	-1.397	0																	