

TABLE D-9.7
Summary of Soil Analytical Data
Metals

Parameter	Units	A-1(0-1')	A-1(10-12')	A-1(16-18')	A-2(0-1')	A-2(10-12')	A-2(19-21')	B-1(0-1')	B-1(10-12')
Aluminum	mg/kg	10900 J	12000 J	15300 J	15600	12400	8820	10400	12200
Antimony	mg/kg	ND (0.17) U	ND (0.17) U	ND (0.26) U	ND (0.16) U	ND (0.16) U	ND (0.17) U	1.3	ND (0.17) U
Arsenic	mg/kg	4.1	4.4	23.5	2.2	5.2	8.3	35.9	3.5
Barium	mg/kg	256	132	178	200	218	137	1100	140
Beryllium	mg/kg	0.53 J	0.39 J	0.75 J	0.56	0.71	0.55	0.66	0.66
Cadmium	mg/kg	0.21 J	0.12 J	0.43 J	0.20 J	0.095 J	0.069 J	0.33 J	0.10 J
Chromium (hexavalent)	mg/kg	ND (0.059) U	ND (0.058) U	ND (0.089) U	ND (0.057) U	ND (0.057) U	ND (0.058) U	ND (0.057) U	ND (0.059) U
Chromium (total)	mg/kg	18.9	6.5	27.9	6.8	10.1	16.6	36.3	6.4
Cobalt	mg/kg	7.6 J	6.7 J	6.7 B J	7.5	8	4.1 J	9.8	8.6
Copper	mg/kg	22.6	13.4	14.3	16.2	12.2	9.7	32.4	15.8
Iron	mg/kg	15800 J	18100 J	15900 J	16500	17100	13800	18700	20200
Lead	mg/kg	21.3	7.8	8.2	10.2	9.2	6.9	379	8
Magnesium	mg/kg	12700	9860	79500	9700	12100	13100	9410	11300
Manganese	mg/kg	602 J	473 J	380 J	474 J	376 J	164 J	2030 J	423 J
Mercury	mg/kg	0.012 J	ND (0.0075) U	ND (0.011) U	0.031 J	0.030 J	ND (0.0076) U	ND (0.0074) U	ND (0.0077) U
Molybdenum	mg/kg	1.3 J	1.0 J	2.5 J	0.80 J	0.31 J	1.1 J	7.2	0.56 J
Nickel	mg/kg	15	11.9	18.1	12.4	13.3	8.5	17.1	15.9
Selenium	mg/kg	0.95	0.18 J	0.39 J	0.33 J	0.23 J	0.32 J	0.34 J	0.45 J
Silver	mg/kg	0.19 J	0.084 J	0.20 J	0.14 J	0.13 J	0.12 J	0.67 J	0.14 J
Thallium	mg/kg	0.11 J	0.050 J	0.32 J	0.084 J	0.099 J	0.096 J	1.1 J	0.068 J
Thorium	mg/kg	5.5 J	5.7 J	5.9 J	6.8 J	8.4 J	7.6 J	5.8 J	10.2 J
Titanium	mg/kg	605	518	459	517	517	342	1500	548
Vanadium	mg/kg	28	26.5	57.4	24.2	34.6	23.8	57.5	33.8
Zinc	mg/kg	44.3 J	43.9 J	48.3 J	43.8	37.7	34.6	108	48.4

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Summary of Soil Analytical Data
Metals

Parameter	Units	B-1(19-21')	B-2(0-1')	B-2(4-5')	B-3(0-1')	B-3(4-5')	DUP 1	DUP 2
Aluminum	mg/kg	7340	14700 J	9300 J	11200 J	9570 J	15600 J	12300 J
Antimony	mg/kg	ND (0.21) U	ND (0.18) U	ND (0.17) U	ND (0.16) U	ND (0.18) U	ND (0.21) U	ND (0.17) U
Arsenic	mg/kg	9.8	13.8	3.2	4.2	13	4.7	8.7
Barium	mg/kg	43.8	352	312	182	146	444	182
Beryllium	mg/kg	0.52 J	0.71	0.54	0.53	0.38 J	0.8	0.57
Cadmium	mg/kg	0.12 J	0.29 J	0.088 J	0.14 J	0.11 J	0.12 J	0.10 J
Chromium (hexavalent)	mg/kg	ND (0.072) U	ND (0.061) U	ND (0.057) U	ND (0.056) U	ND (0.061) U	ND (0.072) U	ND (0.058) U
Chromium (total)	mg/kg	9	30.3	7.7	10.2	7.4	10	8.6
Cobalt	mg/kg	4.3 J	7.7 J	7.3 J	7.0 J	6.1 J	8.6 J	8.9 J
Copper	mg/kg	11.4	43.1	13.4	13.8	10.9	15.2	14.6
Iron	mg/kg	7180	21300	17400	16500 J	13500 J	24200	19100 J
Lead	mg/kg	4.8	35.7 J	7.9 J	12.8	8	9.6 J	9.6
Magnesium	mg/kg	20600	12800	9740	14000	12700	13000	14500
Manganese	mg/kg	505 J	649 J	416 J	415 J	356 J	535 J	806 J
Mercury	mg/kg	ND (0.0093) U	0.019 J	0.0091 J	ND (0.0073) U	ND (0.0079) U	0.017 J	0.012 J
Molybdenum	mg/kg	2.6 J	2.3 J	0.92 J	1.7 J	1.3 J	0.84 J	0.77 J
Nickel	mg/kg	14.4	15.4	12.2	13.4	12.4	14.5	15.7
Selenium	mg/kg	0.38 J	0.51 J	0.25 J	0.48 J	0.23 J	0.32 J	0.39 J
Silver	mg/kg	0.12 J	0.30 B J	0.090 B J	0.13 J	0.11 J	0.11 B J	0.12 J
Thallium	mg/kg	0.31 J	0.17 B J	0.080 B J	0.083 J	0.057 J	0.089 B J	0.065 J
Thorium	mg/kg	3.8 J	5.4 J	5.3 J	6.1 J	5.0 J	7.3 J	6.4 J
Titanium	mg/kg	233	646	492	527	503	600	542
Vanadium	mg/kg	22.2	32.3	22.7	26.3	26.6	36.8	31.4
Zinc	mg/kg	25.4	70.2 J	38.2 J	57.1 J	33.0 J	57.0 J	41.6 J

TABLE D-9.7
Summary of Soil Analytical Data
Metals

Parameter	Units	DUP 3	E-1(0-1')	E-1(4-5')	E-2(0-1')	E-2(4-5')	E-2(6-8')	P-1(0-1')	P-1(10-12')
Aluminum	mg/kg	12700 J	12700 J	12800 J	9740 J	10900 J	12500 J	13100	12500
Antimony	mg/kg	ND (0.16) U	ND (0.17) U	ND (0.17) U	ND (0.16) U	ND (0.16) U	ND (0.18) U	ND (0.16) U	ND (0.17) U
Arsenic	mg/kg	1.9	4.5	3	1.3	2	4.1	3.5	6.2
Barium	mg/kg	299	292	284	255	195	265	246	404
Beryllium	mg/kg	0.52	0.59	0.50 J	0.47 J	0.42 J	0.58	0.69	0.67
Cadmium	mg/kg	0.13 J	0.12 J	0.14 J	0.11 J	0.10 J	0.11 J	0.099 J	0.087 J
Chromium (hexavalent)	mg/kg	ND (0.057) U	ND (0.057) U	ND (0.057) U	ND (0.056) U	ND (0.056) U	ND (0.063) U	ND (0.056) U	ND (0.058) U
Chromium (total)	mg/kg	8	10.7	8.5	4.2	4.9	7.4	8.6	9.1
Cobalt	mg/kg	9.8 J	7.7 J	9.3 J	9.2 J	8.3 J	7.1	7.9	7.6
Copper	mg/kg	14.9	13.7	13.8	12.2	13	13	12.6	11.9
Iron	mg/kg	21900 J	17900	18800 J	18100	19300	20900	18400	18000
Lead	mg/kg	11.7	10.7 J	9.2	8.3 J	7.7 J	10.1	9.6	10.8
Magnesium	mg/kg	10900	11400	11800	10400	9640	11300	10000	10300
Manganese	mg/kg	630 J	502 J	545 J	596 J	600 J	374 J	431 J	361 J
Mercury	mg/kg	0.012 J	0.058	0.059	0.035	0.05	0.012 J	ND (0.0072) U	ND (0.0075) U
Molybdenum	mg/kg	0.43 J	0.23 J	0.24 J	0.12 J	0.30 J	0.55 J	0.46 J	0.61 J
Nickel	mg/kg	14.1	13.5	13.8	12.1	12.2	13	12.6	12.8
Selenium	mg/kg	0.34 J	0.28 J	0.24 J	0.34 J	0.29 J	0.22 J	0.19 J	0.13 J
Silver	mg/kg	0.14 J	0.16 B J	0.12 J	0.072 B J	0.073 B J	0.15 J	0.15 J	0.11 J
Thallium	mg/kg	0.091 J	0.10 B J	0.095 J	0.039 B J	0.031 B J	0.060 J	0.10 J	0.069 J
Thorium	mg/kg	7.2 J	7.4 J	7.2 J	5.8 J	5.4 J	7.7 J	8.4 J	8.6 J
Titanium	mg/kg	723	513	570	518	477	506	548	456
Vanadium	mg/kg	27.4	26.7	27.8	20.1	23.7	24.9	34.9	34.8
Zinc	mg/kg	47.2 J	45.6 J	48.4 J	43.4 J	47.1 J	46.3	42.2	41.3

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Parameter	Units	P-1(18-20')	P-10(0-1')	P-10(10-11')	P-10(12-12_5')	P-10(16_5-17_5')	P-11(0-1')	P-11(15-17')
Aluminum	mg/kg	10500	5260	10200		10100	8520 J	8120 J
Antimony	mg/kg	ND (0.17) U	ND (0.16) U	ND (0.17) U		ND (0.17) U	ND (0.16) U	ND (0.17) U
Arsenic	mg/kg	5.1	3.4	3.3		3.4	3.5	8.8
Barium	mg/kg	169	299	261		160	203	103
Beryllium	mg/kg	0.41 J	0.27 J	0.52 J		0.54 J	0.30 J	0.42 J
Cadmium	mg/kg	0.094 J	0.082 J	0.10 J		0.12 J	0.056 J	0.082 J
Chromium (hexavalent)	mg/kg	ND (0.059) U	ND (0.057) U	ND (0.058) U		ND (0.059) U	ND (0.055) U	ND (0.060) U
Chromium (total)	mg/kg	5.5	6.3	8		6	10.9	13
Cobalt	mg/kg	4.9 J	2.6 B J	6.9 J		6.9 J	3.1 B J	4.7 J
Copper	mg/kg	8.5	9.9	11.6		12	12.2	11
Iron	mg/kg	16100	13400	15800		14300	23500	14300
Lead	mg/kg	6.5	33.4	8.7		7	35.6 J	7.7
Magnesium	mg/kg	10500	4310	9910		10500	4420	8370
Manganese	mg/kg	309 J	136 J	543 J		353 J	136 J	199 J
Mercury	mg/kg	0.055	0.026 J	0.010 J		0.0077 J	0.026 J	ND (0.0078) U
Molybdenum	mg/kg	1.0 J	2.1 J	0.84 J		0.89 J	2.7 J	1.1 J
Nickel	mg/kg	8.9	5.4 J	11.3 J		11.1 J	5.8	11.7
Selenium	mg/kg	0.36 J	0.25 J	0.16 J		0.27 J	0.16 J	0.22 J
Silver	mg/kg	0.091 J	0.22 J	0.10 J		0.091 J	0.079 B J	0.10 J
Thallium	mg/kg	0.043 J	0.089 J	0.072 J		0.047 J	0.11 B J	0.066 J
Thorium	mg/kg	7.4 J	4.4 J	5.7 J		7.3 J	8.9 J	6.1 J
Titanium	mg/kg	335	796	523		557	492	383
Vanadium	mg/kg	25.3	18.4 J	25.0 J		21.7 J	18.7	25.5
Zinc	mg/kg	38.3	30.2	40		36	36.7 J	29.6

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Summary of Soil Analytical Data
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Parameter	Units	P-11(4-5')	P-12(0-1')	P-12(15-17')	P-12(4-5')	P-13(0-1')	P-13(4-5')	P-14(0-1')	P-14(4-5')
Aluminum	mg/kg	17000 J	19000 J	11900 J	8650 J	8930 J	11400 J	13300 J	12500 J
Antimony	mg/kg	ND (0.16) U	ND (0.17) U	ND (0.17) U	ND (0.16) U	ND (0.17) U	ND (0.17) U	ND (0.17) U	ND (0.18) U
Arsenic	mg/kg	3.3	2.3	3.1	3.4	3.5	5.9	3.1	3.7
Barium	mg/kg	256	256	324	262	275	225	312	200
Beryllium	mg/kg	0.93	0.87	0.53 J	0.32 J	0.48 J	0.48 J	0.55	0.55 J
Cadmium	mg/kg	0.11 J	0.094 J	0.11 J	0.060 J	0.083 J	0.073 J	0.10 J	0.099 J
Chromium (hexavalent)	mg/kg	ND (0.056) U	ND (0.058) U	ND (0.059) U	ND (0.055) U	ND (0.059) U	ND (0.058) U	ND (0.057) U	ND (0.060) U
Chromium (total)	mg/kg	12.1	13.2	12.2	10.6	8	7.7	8.4	8.2
Cobalt	mg/kg	8.0 J	10.0 J	8.4	3.1 B J	7.2 J	6.2 J	8.7 J	7.9 J
Copper	mg/kg	22.8	19	13.3	14.2	11.5	11.4	14.1	15.3
Iron	mg/kg	21100	21000	21500	22000	15000	18700	19300	18000
Lead	mg/kg	10.7 J	9.5 J	8.6	31.9 J	8.5 J	8.8 J	9.2 J	7.9 J
Magnesium	mg/kg	9190	10200	9400	4270	10600	9020	10800	13600
Manganese	mg/kg	370 J	291 J	479 J	132 J	351 J	307 J	474 J	392 J
Mercury	mg/kg	ND (0.0073) U	0.026 J	0.014 J	0.014 J	0.024 J	0.012 J	0.010 J	0.016 J
Molybdenum	mg/kg	0.16 J	0.16 J	1.4 J	1.5 J	0.29 J	0.41 J	1.2 J	1.1 J
Nickel	mg/kg	13.6	18.2	14.2	6.6	12.4	11.5	13.8	15.6
Selenium	mg/kg	0.40 J	0.21 J	0.23 J	0.17 J	0.21 J	0.22 J	0.28 J	0.19 J
Silver	mg/kg	0.34 B J	0.16 B J	0.14 J	0.17 B J	0.090 B J	0.089 B J	0.11 B J	0.087 B J
Thallium	mg/kg	0.087 B J	0.11 B J	0.096 J	0.11 B J	0.050 B J	0.043 B J	0.079 B J	0.065 B J
Thorium	mg/kg	6.1 J	6.1 J	7.7 J	7.8 J	5.3 J	5.9 J	6.3 J	5.8 J
Titanium	mg/kg	549	523	585	681	506	569	549	471
Vanadium	mg/kg	32.6	30.9	30.9	25.5	25.5	29.5	26.3	25.7
Zinc	mg/kg	63.0 J	72.2 J	42.6	37.1 J	31.5 J	41.3 J	50.1 J	43.1 J

TABLE D-9.7
Summary of Soil Analytical Data
Metals

Parameter	Units	P-15(0-1')	P-15(4-5')	P-16(0-1')	P-16(4-5')	P-17(0-1')	P-17(4-5')	P-17(6-8')	P-2(0-1')
Aluminum	mg/kg	10500 J	10900 J	11900 J	12200 J	12400 J	10800 J	9910 J	11700
Antimony	mg/kg	ND (0.17) U	ND (0.18) U	ND (0.17) U	ND (0.17) U	ND (0.16) U	ND (0.18) U	ND (0.17) U	ND (0.16) U
Arsenic	mg/kg	8.3	7.6	2	6.2	2.3	29.5	8.3	2
Barium	mg/kg	263	160	269	372	292	143	130	219
Beryllium	mg/kg	0.62	0.51 J	0.53 J	0.48 J	0.47 J	0.40 J	0.39 J	0.52
Cadmium	mg/kg	0.12 J	0.29 J	0.15 J	0.11 J	0.12 J	0.067 J	0.057 J	0.17 J
Chromium (hexavalent)	mg/kg	ND (0.059) U	ND (0.061) U	ND (0.058) U	ND (0.058) U	ND (0.057) U	ND (0.062) U	ND (0.060) U	ND (0.056) U
Chromium (total)	mg/kg	14.5	7.5	8.5	7.3	6.4	9.9	11.7	7.4
Cobalt	mg/kg	5.5 J	6.2 J	7.5 J	7.6 J	8.4 J	5.6 B J	6.1	9
Copper	mg/kg	22.7	10.7	14.4	15	13.5	10.6	9.6	12.6
Iron	mg/kg	21000	16800	17600	18100	25500 J	15800 J	17000	20100
Lead	mg/kg	75.0 J	6.2 J	9.4 J	9.3 J	11.9	6.1	6.1	8.2
Magnesium	mg/kg	8810	15700	11100	11500	10200	11100	8360	11200
Manganese	mg/kg	232 J	505 J	492 J	465 J	742 J	258 J	238 J	489 J
Mercury	mg/kg	0.021 J	0.015 J	0.020 J	0.020 J	ND (0.0073) U	ND (0.0080) U	0.0083 J	0.081
Molybdenum	mg/kg	0.67 J	0.32 J	0.33 J	0.37 J	0.45 J	0.64 J	0.90 J	0.64 J
Nickel	mg/kg	11.5	15.2	13.2	12	12.5	11.1	11.9	14.7
Selenium	mg/kg	0.45 J	0.51 J	0.31 J	0.36 J	0.36 J	0.14 J	0.13 J	0.35 J
Silver	mg/kg	0.18 B J	0.087 B J	0.13 B J	0.11 B J	0.11 J	0.11 J	0.12 J	0.10 J
Thallium	mg/kg	0.17 B J	0.068 B J	0.089 B J	0.081 B J	0.066 J	0.056 J	0.060 J	0.077 J
Thorium	mg/kg	10.4 J	4.4 J	6.3 J	6.3 J	6.1 J	5.0 J	5.3 J	6.3 J
Titanium	mg/kg	533	392	550	532	625	516	404	468
Vanadium	mg/kg	28.8	32.1	22.8	25.1	25.2	25.9	25.8	24.3
Zinc	mg/kg	49.5 J	38.0 J	43.6 J	42.9 J	51.3 J	37.1 J	38.1	47.8

TABLE D-9.7
Summary of Soil Analytical Data
Metals

Parameter	Units	P-2(10-12')	P-2(16-18')	P-3(0-1')	P-3(10-12')	P-3(18-20')	P-4(0-1')	P-4(10-12')	P-4(20-22')
Aluminum	mg/kg	9060	8440	13700	8610	7960	13400 J	11700 J	9860 J
Antimony	mg/kg	ND (0.17) U	ND (0.17) U	ND (0.17) U	ND (0.17) U	ND (0.17) U	ND (0.16) U	ND (0.17) U	ND (0.17) U
Arsenic	mg/kg	6.3	10.1	1.3	4.2	4.7	3.1	6.7	6.7
Barium	mg/kg	214	149	234	142	346	255	250	141
Beryllium	mg/kg	0.57	0.44 J	0.59	0.54	0.40 J	0.62	0.56	0.52 J
Cadmium	mg/kg	0.085 J	0.084 J	0.11 J	0.092 J	0.059 J	0.12 J	0.13 J	0.077 J
Chromium (hexavalent)	mg/kg	ND (0.059) U	ND (0.059) U	ND (0.057) U	ND (0.057) U	ND (0.059) U	ND (0.056) U	ND (0.057) U	ND (0.059) U
Chromium (total)	mg/kg	10.1	10.6	5.6	6.6	9.5	8.8	10	11.7
Cobalt	mg/kg	7.2	4.4 J	8.4	7.5	4.3 J	8.2	6.8	6.3
Copper	mg/kg	11	9.3	11.2	15.3	9.2	13.2	19.6	13.1
Iron	mg/kg	11400	13900	21000	14600	13300	20500	18000	17100
Lead	mg/kg	10.2	6.5	7.6	6.6	8.6	9.9	15.6	8.4
Magnesium	mg/kg	10800	13600	10000	9210	7660	10600	10000	9920
Manganese	mg/kg	353 J	184 J	544 J	392 J	220 J	462 J	412 J	296 J
Mercury	mg/kg	0.092	0.083	ND (0.0074) U	0.011 J	ND (0.0076) U	0.019 J	0.021 J	ND (0.0076) U
Molybdenum	mg/kg	1.6 J	1.3 J	0.54 J	0.66 J	1.1 J	0.33 J	1.2 J	2.0 J
Nickel	mg/kg	12.8	10	11.1	13.3	10.8	13.5	12.7	12.5
Selenium	mg/kg	0.18 J	0.19 J	0.22 J	0.24 J	0.28 J	0.24 J	0.27 J	0.35 J
Silver	mg/kg	0.091 J	0.11 J	0.12 J	0.11 J	0.071 J	0.15 J	0.15 J	0.10 J
Thallium	mg/kg	0.060 J	0.065 J	0.050 J	0.047 J	0.064 J	0.095 J	0.12 J	0.060 J
Thorium	mg/kg	7.3 J	5.4 J	6.5 J	7.1 J	9.4 J	7.8 J	9.0 J	6.4 J
Titanium	mg/kg	482	426	494	513	331	538	547	390
Vanadium	mg/kg	28.8	25.6	21.9	31.3	22.3	28.6	33	29.2
Zinc	mg/kg	29.5	30.2	47.8	38.2	28.8	43.5	45.8	33.8

TABLE D-9.7
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Metals

Parameter	Units	P-5(0-1')	P-5(10-12')	P-5(16-18')	P-6(0-1')	P-6(10-12')	P-6(18-21')	P-7(0-1')
Aluminum	mg/kg	12900 J	11400 J	6710 J	12800	9320	5300	11600
Antimony	mg/kg	ND (0.17) U	ND (0.17) U	ND (0.18) U	ND (0.17) U	ND (0.17) U	ND (0.18) U	ND (0.17) U
Arsenic	mg/kg	1.7	5.8	9.9	2.7	3.8	5.2	7.6
Barium	mg/kg	281	184	293	334	268	203	113
Beryllium	mg/kg	0.55	0.49 J	0.39 J	0.66	0.57	0.34 J	0.63
Cadmium	mg/kg	0.14 J	0.11 J	0.089 J	0.13 J	0.083 J	0.035 J	0.086 J
Chromium (hexavalent)	mg/kg	ND (0.058) U	ND (0.059) U	ND (0.061) U	ND (0.057) U	ND (0.057) U	ND (0.061) U	ND (0.059) U
Chromium (total)	mg/kg	8.1	12.4	12.6	6.7	20.8	9.9	13.5
Cobalt	mg/kg	8.1 J	6.1 J	5.3 B J	8.2	7.5	3.5 J	7.3 J
Copper	mg/kg	14.6	12.6	11.8	13	11.9	8.6	12.5
Iron	mg/kg	22200 J	16600 J	12600 J	20900	16700	7370	14600
Lead	mg/kg	10.3	7.5	9.4	11.6	9.3	5.4	6.3
Magnesium	mg/kg	11000	12900	11000	11400	8910	8340	13800
Manganese	mg/kg	575 J	295 J	420 J	534 J	453 J	197 J	309 J
Mercury	mg/kg	0.033 J	0.081	0.096	ND (0.0074) U	ND (0.0074) U	ND (0.0079) U	0.011 J
Molybdenum	mg/kg	0.40 J	0.56 J	1.5 J	1.3 J	0.63 J	0.76 J	0.69 J
Nickel	mg/kg	14	14.9	12	12.7	10.9	8.7	13.9 J
Selenium	mg/kg	0.29 J	0.25 J	0.24 J	0.21 J	2.5	0.18 J	0.46 J
Silver	mg/kg	0.13 J	0.12 J	0.078 J	0.14 J	0.12 J	0.072 J	0.075 J
Thallium	mg/kg	0.066 J	0.039 J	0.045 J	0.075 J	0.053 J	0.069 J	0.061 J
Thorium	mg/kg	6.8 J	5.0 J	5.3 J	7.9 J	10.1 J	5.1 J	5.3 J
Titanium	mg/kg	704	593	483	543	531	308	397
Vanadium	mg/kg	27	27	25.9	32.2	28.3	20.7	42.0 J
Zinc	mg/kg	47.7 J	35.6 J	27.8 J	47.6	39.8	19.1	33.9

TABLE D-9.7
Summary of Soil Analytical Data
Metals

Parameter	Units	P-7(10-12')	P-7(18-20')	P-7(19-21')	P-7(2-3')	P-8(0-1')	P-8(10-12')	P-8(16-18')	P-9(0-1')
Aluminum	mg/kg	11200 J	8980 J	7520 J		12500 J	9940 J	6400 J	13100
Antimony	mg/kg	ND (0.19) U	ND (0.23) U	ND (0.19) U		ND (0.17) U	ND (0.17) U	ND (0.18) U	ND (0.17) U
Arsenic	mg/kg	4.4	17.4	18.5		3.6	4.3	14.3	4.6
Barium	mg/kg	215	26.4 J	63		246	160	341	239
Beryllium	mg/kg	0.47 J	0.48 J	0.66		0.54 J	0.44 J	0.33 J	0.77
Cadmium	mg/kg	0.082 J	0.11 J	0.078 J		0.11 J	0.094 J	0.033 J	0.16 J
Chromium (hexavalent)	mg/kg	ND (0.066) U	ND (0.078) U	ND (0.065) U		ND (0.060) U	ND (0.057) U	ND (0.062) U	ND (0.057) U
Chromium (total)	mg/kg	8.7	19.9	26.1		7	6.3	9.8	8.3
Cobalt	mg/kg	6.2 J	4.0 B J	7.6		9.4 J	7.3 J	3.6 B J	7.2 J
Copper	mg/kg	12.1	10	9		14.8	14.4	9.4	11.9
Iron	mg/kg	18400	9690	9080		22400 J	19700 J	12000 J	16100
Lead	mg/kg	10 J	6.1 J	4.3		12	6.7	6.6	9.2
Magnesium	mg/kg	10300	40900	30400		10200	9390	8180	11300
Manganese	mg/kg	390 J	157 J	141 J		692 J	443 J	180 J	551 J
Mercury	mg/kg	ND (0.0085) U	0.013 J	ND (0.0084) U		ND (0.0077) U	ND (0.0074) U	0.071	0.027 J
Molybdenum	mg/kg	1.0 J	1.3 J	1.3 J		1.3 J	0.81 J	0.96 J	0.30 J
Nickel	mg/kg	10.9	13.3	15.7		12.6	12.3	8.8	12.1 J
Selenium	mg/kg	0.67	0.53 J	0.51 J		0.43 J	0.63	0.18 J	0.34 J
Silver	mg/kg	0.089 B J	0.085 B J	0.16 J		0.12 J	0.083 J	0.055 J	0.11 J
Thallium	mg/kg	0.048 B J	0.12 B J	0.12 J		0.081 J	0.030 J	0.063 J	0.11 J
Thorium	mg/kg	4.8 J	4.3 J	5.8 J		7.2 J	5.7 J	4.7 J	6.9 J
Titanium	mg/kg	487	422	333		621	495	278	480
Vanadium	mg/kg	25.7	40.3	38.5		28.1	23.4	21.5	24.9 J
Zinc	mg/kg	38.0 J	30.8 J	25.7		47.3 J	42.6 J	28.1 J	44.9

TABLE D-9.7
Summary of Soil Analytical Data
Metals

Parameter	Units	P-9(6-8')	S-1(0-1')	S-1(10-12')	S-1(16-17')	S-2(0-1')	S-2(10-12')	S-2(18-20')
Aluminum	mg/kg	8270	13100 J	13200 J	9650 J	13500 J	12900 J	8920 J
Antimony	mg/kg	ND (0.17) U	ND (0.16) U	ND (0.17) U	ND (0.17) U	ND (0.17) U	ND (0.17) U	ND (0.20) U
Arsenic	mg/kg	8.5	2.8	3	3.8	1.4	6.1	12.2
Barium	mg/kg	306	236	283	335	298	282	178
Beryllium	mg/kg	0.41 J	0.55	0.55	0.42 J	0.6	0.54	0.57 J
Cadmium	mg/kg	0.16 J	0.15 J	0.11 J	0.033 J	0.15 J	0.13 J	0.13 J
Chromium (hexavalent)	mg/kg	ND (0.060) U	ND (0.056) U	ND (0.057) U	ND (0.058) U	ND (0.057) U	ND (0.058) U	ND (0.069) U
Chromium (total)	mg/kg	7.3	8.6	7.2	7.9	5.5	7.5	10
Cobalt	mg/kg	5.5 J	7.0 J	8.7 J	4.7 B J	9.1	8.1	7
Copper	mg/kg	9.9	18.7	14.5	10.1	13.3	15.2	12.6
Iron	mg/kg	10900	20100 J	22300 J	17600 J	23100	22000	9990
Lead	mg/kg	6.2	71.9	8.4	6.1	8.9	8.9	5.5
Magnesium	mg/kg	11000	10700	11400	10000	10000	9900	18500
Manganese	mg/kg	361 J	462 J	524 J	236 J	573 J	642 J	310 J
Mercury	mg/kg	ND (0.0077) U	0.010 J	ND (0.0074) U	ND (0.0075) U	0.022 J	0.011 J	ND (0.0090) U
Molybdenum	mg/kg	2.5 J	0.29 J	0.50 J	0.26 J	0.54 J	0.95 J	1.2 J
Nickel	mg/kg	11.8 J	12.6	14.3	11.3	14.7	13.5	15.7
Selenium	mg/kg	0.56	0.36 J	0.34 J	0.14 J	0.29 J	0.28 J	0.34 J
Silver	mg/kg	0.086 J	0.11 J	0.13 J	0.053 J	0.14 J	0.12 J	0.15 J
Thallium	mg/kg	0.046 J	0.095 J	0.048 J	0.032 J	0.067 J	0.088 J	0.11 J
Thorium	mg/kg	3.7 J	7.1 J	6.2 J	5.7 J	8.7 J	8.3 J	6.1 J
Titanium	mg/kg	380	605	663	401	566	481	422
Vanadium	mg/kg	22.8 J	23	29.4	21.8	26.2	33.7	33.6
Zinc	mg/kg	28.6	60.1 J	45.3 J	43.1 J	50.1	43.1	28.7

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	A-1(0-1')	A-1(10-12')	A-1(16-18')	A-2(0-1')	A-2(10-12')	A-2(19-21')	B-1(0-1')	B-1(10-12')
Actinium 228	pCi/g	1.71	1.36	ND (1.0) U	1.67	1.21	1.41	1.37	1.26
Bismuth 212	pCi/g	ND (2.2) U	ND (2.4) U	ND (3.1) U	ND (2.2) U	ND (2.0) U	ND (2.3) U	ND (1.9) U	ND (2.1) U
Bismuth 214	pCi/g	0.95	1.13	4.43	1.13	1.04	1.63	0.87	0.9
Cesium 137	pCi/g								
Lead 210	pCi/g	ND (2.2) U	ND (3.1) U	6.9	ND (2.8) U	ND (2.0) U	3.6	ND (2.0) U	ND (3.0) U
Lead 212	pCi/g	1.2	1.25	0.67	1.16	1.17	1.24	1.14	1.11
Lead 214	pCi/g	0.56	0.95	4.7	1.04	1.13	1.38	0.91	1.04
Potassium 40	pCi/g	28	24.2	17	22.2	26.2	24.5	22.8	27.9
Radium 224	pCi/g	3.2	3.6	9.6	ND (2.7) U	3.2	3.6	2.2	ND (2.9) U
Radium 226	pCi/g	ND (3.7E-01) U	ND (3.6E-01) U	2.92E+00	2.90E-01	2.23E+00	2.23E+00	2.21E+00	1.93E+00
Radium 228	pCi/g	1.285510861	1.307983093	0.866424988	1.406601635	1.356538506	1.348509004	1.278691265	1.417728684
Thallium 208	pCi/g	0.54	0.42	ND (0.30) U	0.44	0.43	0.38	0.42	0.48
Thorium 228	pCi/g	1.03	1.44	0.68 J	1.27	1.3	0.80 J	1.33	1.46
Thorium 230	pCi/g	0.97 J	1.7	4.6	1.19	1.33	1.35	1.03	1.47
Thorium 232	pCi/g	1.38	1.67	1.04	1.34	1.36	1.07	1.19	1.18
Thorium 234	pCi/g	ND (1.4) U	1.64	4.5	1.51	ND (1.2) U	ND (1.7) U	1.2	ND (1.5) U
Uranium 234	pCi/g	0.77 J	1.74	4.6	0.95 J	1.12	1.73	1.61	1.32
Uranium 235	pCi/g	ND (0.089) U	ND (0.11) U	0.133 J	ND (0.089) U	ND (0.099) U	0.093 J	ND (0.082) U	0.099 J
Uranium 238	pCi/g	0.73 J	1.41	4.45	0.79 J	0.92 J	1.32	1.34	1.25

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	B-1(19-21')	B-2(0-1')	B-2(4-5')	B-3(0-1')	B-3(4-5')	DUP 1	DUP 2
Actinium 228	pCi/g	ND (1.0) U	1.79	1.57	1.3	0.9	1.34	1.3
Bismuth 212	pCi/g	ND (2.5) U	1.1	1.5	ND (1.8) U	ND (2.0) U	2	ND (2.1) U
Bismuth 214	pCi/g	3.44	1.16	1.03	0.67	0.89	1.11	1.03
Cesium 137	pCi/g							
Lead 210	pCi/g	ND (3.4) U	0.9	1.4	ND (1.9) U	ND (2.2) U	1.2	ND (2.2) U
Lead 212	pCi/g	0.82	1.15	1.04	0.85	0.92	1.11	1.05
Lead 214	pCi/g	3.66	0.92	0.76	0.8	0.67	0.85	0.71
Potassium 40	pCi/g	15.5	28.3	26.2	23.8	21.6	25.6	22.7
Radium 224	pCi/g	6.4	3.6	6.2	3.4	ND (2.5) U	2.7	3.7
Radium 226	pCi/g	3.80E+00	1.69E+00	3.00E+00	ND (2.7E-01) U	ND (2.5E-01) U	2.20E-01	ND (2.6E-01) U
Radium 228	pCi/g	1.44325061	1.612909991	1.294885492	1.012172598	1.016949525	1.361753075	1.215295001
Thallium 208	pCi/g	0.41	0.47	0.39	0.37	0.39	0.42	0.32
Thorium 228	pCi/g	1.69	1.41	1.55	1.24	1.22	1.2	1.35
Thorium 230	pCi/g	2.42	1.36	1.29	0.94 J	1.17	1.03	1.41
Thorium 232	pCi/g	1.0 J	1.46	1.51	1.1	1.43	1.5	1.41
Thorium 234	pCi/g	ND (2.0) U	1.04	0.84	ND (1.2) U	ND (1.4) U	1.29	ND (1.2) U
Uranium 234	pCi/g	1.58	1.44	1.38	0.94 J	1.5	1.48	0.99 J
Uranium 235	pCi/g	0.068 J	0.059	0.104	ND (0.13) U	ND (0.042) U	0	ND (0.16) U
Uranium 238	pCi/g	1.55	1.07	1.32	0.58 J	0.96 J	1.13	0.88 J

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	DUP 3	E-1(0-1')	E-1(4-5')	E-2(0-1')	E-2(4-5')	E-2(6-8')	P-1(0-1')	P-1(10-12')
Actinium 228	pCi/g	1.53	1.26	1.22	1.41	1.6	0.95	0.8	1.34
Bismuth 212	pCi/g	ND (2.1) U	ND (1.9) U	ND (1.8) U	ND (2.0) U	ND (2.0) U	ND (1.8) U	ND (1.8) U	ND (2.1) U
Bismuth 214	pCi/g	0.77	0.74	0.85	0.77	0.82	1.1	0.83	1.18
Cesium 137	pCi/g								
Lead 210	pCi/g	ND (2.1) U	ND (1.8) U	ND (2.0) U	ND (2.0) U	ND (2.6) U	ND (1.9) U	ND (2.1) U	ND (2.3) U
Lead 212	pCi/g	1.32	1.14	1.12	1.35	1.11	1.03	1.19	1.09
Lead 214	pCi/g	0.78	0.77	0.84	0.86	0.87	0.69	0.79	1.1
Potassium 40	pCi/g	27.1	26.4	23.2	24.8	24	26.6	23.3	24.7
Radium 224	pCi/g	2.6	4.5	2.3	2.4	5.6	2	ND (2.2) U	3.9
Radium 226	pCi/g	ND (3.0E-01) U	-9.30E-01	8.40E-01	2.20E+00	1.61E+00	1.06E+00	1.00E-01	-2.60E-01
Radium 228	pCi/g	1.185744242	1.51293425	1.487070049	1.485644364	1.576417959	0.955257165	1.404575954	1.388429241
Thallium 208	pCi/g	0.55	0.49	0.48	0.59	0.47	0.42	0.42	0.43
Thorium 228	pCi/g	1.66	1.03	1.42	1.46	1.55	1.62	1.14	1.47
Thorium 230	pCi/g	1.19	1.05	1.04	0.94 J	0.86 J	1.51	0.98 J	1.38
Thorium 232	pCi/g	1.41	1.41	1.33	1.42	1.45	1.4	1.16	1.17
Thorium 234	pCi/g	ND (1.2) U	1.14	ND (1.2) U	1.7	ND (1.4) U	ND (1.1) U	ND (1.1) U	ND (1.2) U
Uranium 234	pCi/g	0.94 J	1.01	0.98 J	0.71 J	0.95 J	1.32	0.93 J	1.76
Uranium 235	pCi/g	ND (0.073) U	0.123 J	0.087 J	0.066 J	0.148 J	0.149 J	ND (0.064) U	ND (0.084) U
Uranium 238	pCi/g	0.76 J	0.92 J	0.99 J	0.79 J	0.70 J	0.83 J	0.81 J	1.08

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	P-1(18-20')	P-10(0-1')	P-10(10-11')	P-10(12-12_5')	P-10(16_5-17_5')	P-11(0-1')	P-11(15-17')
Actinium 228	pCi/g	1.24	1.3	1.58		1.39	1.47	1.41
Bismuth 212	pCi/g	ND (1.9) U	ND (1.9) U	ND (1.9) U		ND (2.0) U	1.65	ND (2.0) U
Bismuth 214	pCi/g	1.5	0.84	0.81		0.67	0.88	1.36
Cesium 137	pCi/g							
Lead 210	pCi/g	ND (2.4) U	ND (1.9) U	ND (2.5) U		ND (2.2) U	0.3	ND (2.5) U
Lead 212	pCi/g	1.09	1.26	1.29		1.06	1.52	1.14
Lead 214	pCi/g	1.35	0.95	0.81		0.77	0.77	1.46
Potassium 40	pCi/g	25.4	24.8	25		29.5	25.8	25.8
Radium 224	pCi/g	ND (2.6) U	3.2	3.5		3.5	2.9	3.2
Radium 226	pCi/g	4.70E-01	1.90E+00	6.30E-01		1.60E-01	3.60E+00	1.04E+00
Radium 228	pCi/g	1.499558208	1.01184828	0.96448548798 J		1.197364891	1.554036855	1.346269951
Thallium 208	pCi/g	0.39	0.45	0.33		0.42	0.53	0.42
Thorium 228	pCi/g	1.39	1.55	1.29		1.52	1.5	1.16
Thorium 230	pCi/g	1.85	0.95 J	1.15		1.15	0.83	1.32
Thorium 232	pCi/g	1.22	1.38	1.4		1.55	1.73	0.82 J
Thorium 234	pCi/g	ND (1.3) U	ND (1.2) U	ND (1.5) U		1.7	0.87	ND (1.3) U
Uranium 234	pCi/g	1.64	1.3	3.01		0.81 J	1.53	1.58
Uranium 235	pCi/g	0.089 J	ND (0.067) U	0.128 J		0.20 J	0.15	0.089 J
Uranium 238	pCi/g	1.32	1.02	2.16		0.78 J	1.05	1.14

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	P-11(4-5')	P-12(0-1')	P-12(15-17')	P-12(4-5')	P-13(0-1')	P-13(4-5')	P-14(0-1')	P-14(4-5')
Actinium 228	pCi/g	1.59	1.5	1.38	1.34	1.16	1.72	1.07	1.08
Bismuth 212	pCi/g	1.3	2.5	ND (1.8) U	1.1	1.97	1.5	1.98	2
Bismuth 214	pCi/g	0.8	0.95	1.02	0.77	0.9	0.84	0.65	0.87
Cesium 137	pCi/g								
Lead 210	pCi/g	1.3	1.2	ND (2.5) U	1.8	0.7	1.4	0.1	1.7
Lead 212	pCi/g	1.1	1.18	1.12	1.17	0.94	1.12	1.16	1.36
Lead 214	pCi/g	0.65	0.82	0.78	0.71	0.66	0.75	0.78	0.73
Potassium 40	pCi/g	20.2	24.5	23.9	23.8	25.5	21.2	23.4	23.9
Radium 224	pCi/g	1.8	1.6	ND (2.6) U	2.6	3.5	2.5	3.3	2.5
Radium 226	pCi/g	9.40E-01	1.55E+00	ND (3.3E-01) U	1.67E+00	5.00E-01	2.80E+00	-4.11E+00	-4.90E-01
Radium 228	pCi/g	1.307627916	1.575889142	1.44056192	1.376136988	1.488400086	1.177496516	2.997711349	1.801474649
Thallium 208	pCi/g	0.38	0.47	0.43	0.4	0.4	0.38	0.44	0.49
Thorium 228	pCi/g	1.59	1.34	1.34	1.48	1.28	1.43	1.36	1.51
Thorium 230	pCi/g	1.14	0.98	1.0 J	0.83	0.98	1	0.98	1.14
Thorium 232	pCi/g	1.43	1.63	1.33	1.35	1.26	1.4	1.43	1.53
Thorium 234	pCi/g	1.35	1.13	1.55	2	1	1.12	0.9	0.33
Uranium 234	pCi/g	1.06	1.27	1.19	0.75	1.25	1.06	0.99	1
Uranium 235	pCi/g	0.029	0.008	0.077 J	0.063	0.114	0.098	0.13	0.061
Uranium 238	pCi/g	1.02	1.04	0.95 J	0.88	1.09	0.73	0.77	0.67

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	P-15(0-1')	P-15(4-5')	P-16(0-1')	P-16(4-5')	P-17(0-1')	P-17(4-5')	P-17(6-8')	P-2(0-1')
Actinium 228	pCi/g	1.58	1.21	1.5	1.1	1.21	1.15	1.51	1.38
Bismuth 212	pCi/g	1.2	0.72	2	1.5	ND (2.3) U	ND (2.3) U	ND (2.1) U	ND (2.0) U
Bismuth 214	pCi/g	0.75	0.88	0.98	0.76	0.74	1.02	0.92	1.41
Cesium 137	pCi/g								
Lead 210	pCi/g	1.2	1.6	1.1	1.4	ND (2.2) U	ND (2.5) U	ND (2.4) U	ND (2.4) U
Lead 212	pCi/g	1.3	1.15	1.36	1.23	0.99	0.82	1.12	1.24
Lead 214	pCi/g	0.73	1.01	0.91	0.67	0.81	1.04	0.9	1.31
Potassium 40	pCi/g	22.4	23.8	20.3	24.5	22.4	25.5	22.5	25.4
Radium 224	pCi/g	2.3	2.7	2.5	2.1	3	6.3	ND (2.5) U	2.9
Radium 226	pCi/g	1.64E+00	2.10E-01	1.42E+00	8.90E-01	9.7E-01 J	ND (3.2E-01) U	9.3E-01 J	1.92E+00
Radium 228	pCi/g	1.572816872	1.293129823	1.433352743	1.537997159	1.115348871	1.189329425	1.319521434	1.168324356
Thallium 208	pCi/g	0.51	0.37	0.39	0.33	0.39	0.33	0.48	0.41
Thorium 228	pCi/g	1.66	1.56	1.36	1.38	1.3	1.64	1.43	0.97 J
Thorium 230	pCi/g	1.14	1.26	1.35	0.99	1.11	1.77	1.32	1.31
Thorium 232	pCi/g	1.79	1.51	1.43	1.54	1.5	1.18	1.42	1.3
Thorium 234	pCi/g	1.59	1.32	0.97	0.3	ND (1.3) U	ND (1.4) U	ND (1.4) U	1.35
Uranium 234	pCi/g	1.03	1.18	1.54	1.13	1.52	1.89	2.05	1.61
Uranium 235	pCi/g	-0.004	0.05	0.103	0.132	ND (0.11) U	0.141 J	0.103 J	ND (0.097) U
Uranium 238	pCi/g	1	0.95	1.12	1.01	0.99 J	1.54	1.42	1.3

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	P-2(10-12')	P-2(16-18')	P-3(0-1')	P-3(10-12')	P-3(18-20')	P-4(0-1')	P-4(10-12')	P-4(20-22')
Actinium 228	pCi/g	1.64	1.27	2	1.21	1.22	0.84	1.46	1.23
Bismuth 212	pCi/g	ND (2.1) U	ND (2.1) U	2.7	ND (1.9) U	ND (2.2) U	ND (1.9) U	ND (2.3) U	ND (2.1) U
Bismuth 214	pCi/g	0.6	1.8	0.93	0.91	1.09	0.81	1.18	1.18
Cesium 137	pCi/g								
Lead 210	pCi/g	ND (2.4) U	ND (2.1) U	ND (2.5) U	ND (2.2) U	3.5	ND (2.0) U	ND (3.0) U	ND (2.3) U
Lead 212	pCi/g	1.27	1.05	1.29	1.19	1.34	1.14	1.38	1.22
Lead 214	pCi/g	0.74	1.64	0.75	0.86	1.03	0.74	1.12	1.14
Potassium 40	pCi/g	23.8	22.4	25.6	25.8	30.4	20.5	24.6	26.8
Radium 224	pCi/g	2.4	4.1	2.6	ND (2.2) U	3.8	2.4	3.7	2.5
Radium 226	pCi/g	1.78E+00	2.26E+00	9.40E-01	7.80E-01	1.58E+00	ND (3.2E-01) U	7.5E-01 J	ND (3.9E-01) U
Radium 228	pCi/g	1.232547683	1.351390143	1.553407784	1.394899744	1.464648639	1.50182415	1.296218986	1.440322986
Thallium 208	pCi/g	0.4	0.44	0.45	0.46	0.39	0.37	0.4	0.4
Thorium 228	pCi/g	1.38	0.97 J	1.45	1.82	0.79 J	1.42	1.46	1.5
Thorium 230	pCi/g	0.99 J	2.31	0.80 J	1.31	1.25	1.33	1.04	1.61
Thorium 232	pCi/g	1.52	1.08	1.19	1.49	1.66	1.44	1.61	1.6
Thorium 234	pCi/g	ND (1.3) U	1.36	ND (1.3) U	ND (1.2) U	ND (1.3) U	ND (1.1) U	ND (1.5) U	1.4
Uranium 234	pCi/g	0.60 J	1.99	0.88 J	1.06	1.5	0.85 J	0.74 J	1.83
Uranium 235	pCi/g	ND (0.091) U	ND (0.073) U	0.071 J	ND (0.091) U	0.17 J	ND (0.049) U	ND (0.081) U	ND (0.15) U
Uranium 238	pCi/g	1.03	1.88	0.88 J	1.17	0.95 J	0.81 J	0.68 J	1.65

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	P-5(0-1')	P-5(10-12')	P-5(16-18')	P-6(0-1')	P-6(10-12')	P-6(18-21')	P-7(0-1')
Actinium 228	pCi/g	1.49	1.3	1.53	1.43	1.28	1.27	1.04
Bismuth 212	pCi/g	ND (2.4) U	ND (2.4) U	ND (2.4) U	ND (2.0) U	ND (1.9) U	ND (2.0) U	ND (2.0) U
Bismuth 214	pCi/g	1.12	1.13	1.11	1.01	0.99	0.97	1
Cesium 137	pCi/g							
Lead 210	pCi/g	ND (2.9) U	ND (2.2) U	ND (3.0) U	2.1	ND (2.5) U	ND (2.2) U	ND (2.9) U
Lead 212	pCi/g	1.23	1.22	1.22	1.29	1.3	1.24	1.2
Lead 214	pCi/g	0.72	0.96	1.07	0.69	1.02	1.07	1.03
Potassium 40	pCi/g	24.3	25.5	31	25.3	25.3	28.5	24
Radium 224	pCi/g	ND (2.7) U	3.3	3.1	2.2	3.1	2.7	3.5
Radium 226	pCi/g	1.41E+00	ND (2.8E-01) U	6.8E-01 J	1.59E+00	4.40E-01	1.75E+00	2.75E+00
Radium 228	pCi/g	1.382098257	1.047228738	1.195715084	1.264131324	1.212752183	1.309010013	0.85790503771 J
Thallium 208	pCi/g	0.37	0.43	0.57	0.42	0.54	0.53	0.44
Thorium 228	pCi/g	1.39	1.45	1.39	1.17	1.31	1.23	1.46
Thorium 230	pCi/g	0.90 J	1.5	1.82	0.86 J	1.37	1.34	1.22
Thorium 232	pCi/g	1.6	1.26	1.34	1.25	1.42	1.14	1.43
Thorium 234	pCi/g	ND (1.4) U	ND (1.3) U	ND (1.6) U	ND (1.2) U	ND (1.3) U	ND (1.3) U	ND (1.5) U
Uranium 234	pCi/g	0.65 J	1.04	1.4	0.94 J	1.06	0.93 J	1.15
Uranium 235	pCi/g	ND (0.074) U	ND (0.055) U	ND (0.096) U	ND (0.047) U	0.080 J	ND (0.083) U	ND (0.094) U
Uranium 238	pCi/g	0.80 J	0.77 J	1.22	0.96 J	1.07	0.97 J	0.97 J

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	P-7(10-12')	P-7(18-20')	P-7(19-21')	P-7(2-3')	P-8(0-1')	P-8(10-12')	P-8(16-18')	P-9(0-1')
Actinium 228	pCi/g	1.82	0.54	ND (0.94) U		1.1	1.49	1.4	1.27
Bismuth 212	pCi/g	1	0.9	ND (3.4) U		ND (2.1) U	ND (2.2) U	ND (2.6) U	ND (2.3) U
Bismuth 214	pCi/g	1.8	2.32	3.36		0.8	1.23	1.98	0.82
Cesium 137	pCi/g								
Lead 210	pCi/g	1.3	2.9	5.1		ND (2.0) U	ND (3.0) U	ND (2.9) U	ND (3.2) U
Lead 212	pCi/g	1.16	0.91	0.88		1.33	1.34	0.93	1.17
Lead 214	pCi/g	1.64	1.98	3.17		0.76	1.19	1.9	0.72
Potassium 40	pCi/g	27	20.7	19.4		21.8	27.6	28.2	27.8
Radium 224	pCi/g	3.7	5.4	6.8		2.6	3	4.5	8.4
Radium 226	pCi/g	3.80E+00	4.00E+00	2.29E+00		ND (2.8E-01) U	6.7E-01 J	3.8E-01 J	3.40E+00
Radium 228	pCi/g	1.25489739	1.270070529	0.88595671		1.138289235	1.127309591	0.847807928	1.237496762
Thallium 208	pCi/g	0.49	0.23	0.34		0.41	0.41	0.42	0.44
Thorium 228	pCi/g	1.17	1.23	0.93 J		1.31	1.24	1.02	1.58
Thorium 230	pCi/g	2.59	2.18	2.1		1.09	1.24	2.54	1.13
Thorium 232	pCi/g	1.36	0.99	0.78 J		1.03	1.32	1.12	1.5
Thorium 234	pCi/g	1.86	1.8	ND (2.6) U		1.48	1.6	2.06	ND (1.5) U
Uranium 234	pCi/g	1.88	2.07	2.62		1.3	1.58	2.28	0.94 J
Uranium 235	pCi/g	0.089	0.059	0.21 J		ND (0.087) U	ND (0.11) U	0.103 J	ND (0.13) U
Uranium 238	pCi/g	1.64	1.74	2.68		1.08	1.7	1.73	1.02

TABLE D-9.8
Summary of Soil Analytical Data
Radionuclides

Parameter	Units	P-9(6-8')	S-1(0-1')	S-1(10-12')	S-1(16-17')	S-2(0-1')	S-2(10-12')	S-2(18-20')
Actinium 228	pCi/g	1.14	1.42	1.31	ND (0.79) U	1.47	1.45	1.1
Bismuth 212	pCi/g	ND (2.1) U	ND (2.0) U	ND (2.0) U	ND (2.5) U	ND (2.0) U	ND (2.2) U	ND (1.8) U
Bismuth 214	pCi/g	1.26	0.86	0.85	1.33	0.77	0.83	0.82
Cesium 137	pCi/g							
Lead 210	pCi/g	ND (2.6) U	ND (2.4) U	ND (2.0) U	ND (2.6) U	ND (2.5) U	ND (2.9) U	ND (1.2) U
Lead 212	pCi/g	1.23	1.26	1.3	1.02	1.32	0.99	1.12
Lead 214	pCi/g	1.27	0.7	0.94	1.2	0.79	1.07	0.77
Potassium 40	pCi/g	19.8	26.5	25.1	23.7	26.2	29.6	25.3
Radium 224	pCi/g	ND (2.3) U	3	ND (2.2) U	3.7	2.7	6.3	2.3
Radium 226	pCi/g	3.81E+00	1.98E+00	1.26E+00	1.76E+00	ND (3.2E-01) U	1.67E+00	1.09E+00
Radium 228	pCi/g	0.73966573691 J	1.297116357	1.451885935	0.815656816	1.623883522	1.257665251	1.539979741
Thallium 208	pCi/g	0.4	0.46	0.51	0.31	0.49	0.53	0.38
Thorium 228	pCi/g	1.26	1.49	1.59	0.61 J	1.56	1.45	1.43
Thorium 230	pCi/g	1.51	1.26	1.21	1.26	0.80 J	1.33	0.98 J
Thorium 232	pCi/g	1.19	1.41	1.57	1	1.25	1.34	1.51
Thorium 234	pCi/g	ND (1.4) U	1.34	1.65	ND (1.4) U	ND (1.4) U	ND (1.4) U	ND (0.90) U
Uranium 234	pCi/g	1.27	0.88 J	1.03	0.88 J	0.84 J	1.16	1.11
Uranium 235	pCi/g	0.048 J	0.093 J	0.085 J	ND (0.065) U	ND (0.13) U	0.19 J	ND (0.045) U
Uranium 238	pCi/g	0.90 J	1	0.94 J	0.73 J	0.96 J	0.78 J	0.95 J