

KJ Environmental

LOCATION: OWL BOBCAT/REDHILLS PIPELINE RELEASE SPILL AREA 2

DATE	Sample Pt.	DEPTH	SOIL	WATER	CF	AgNO ₃	CL-	SOIL LITHOLOGY	FIELD SCREENING HORIBA D-73	LAB RESULTS CL-	BLENDED Y / N
TEST STOCKPILES											
27-Apr	TSS1	1'	-	-	-	-	-	sandy sand damp	10.3	-	N
	TSS1	2'	-	-	-	-	-	sandy sand damp	12.4	-	N
	TSS1	3'	-	-	-	-	-	sandy sand damp	19.3	-	N
	TSS1	4'	19	44	2.32	0.05	116	sandy sand damp	-	12.7	N
	TSS2	1'	-	-	-	-	-	sandy sand damp	19.6	-	N
	TSS2	2'	-	-	-	-	-	sandy sand damp	21.4	-	N
	TSS2	3'	-	-	-	-	-	sandy sand damp	18.3	-	N
	TSS2	4'	18	45	2.50	0.05	125	sandy sand damp	-	21.9	N
	TSS3	1'	-	-	-	-	-	sandy sand damp	17.7	-	N
	TSS3	2'	-	-	-	-	-	sandy sand damp	19.8	-	N
	TSS3	3'	-	-	-	-	-	sandy sand damp	22.1	-	N
	TSS3	4'	15	48	3.20	0.03	96	sandy sand damp	-	11	N
	TSS4	1'	-	-	-	-	-	sandy sand damp	14.4	-	N
	TSS4	2'	-	-	-	-	-	sandy sand damp	14.8	-	N
	TSS4	3'	-	-	-	-	-	sandy sand damp	13.6	-	N
	TSS4	4'	24	47	1.96	0.03	59	sandy sand damp	-	9.03	N
	TSS5	1'	-	-	-	-	-	sandy sand damp	13.9	-	N
	TSS5	2'	-	-	-	-	-	sandy sand damp	15.1	-	N
	TSS5	3'	-	-	-	-	-	sandy sand damp	15.3	-	N
	TSS5	4'	20	45	2.25	0.03	67	sandy sand damp	-	4.9	N
	TSS6	1'	-	-	-	-	-	sandy sand damp	11.2	-	N
	TSS6	2'	-	-	-	-	-	sandy sand damp	11.6	-	N
	TSS6	3'	-	-	-	-	-	sandy sand damp	9.7	-	N
	TSS6	4'	21	49	2.33	0.03	70	sandy sand damp	-	5	N
A STOCKPILES											
26-Apr	ASP1	1'	18	45	2.50	0.16	400	sandy sand damp	-	-	N
	ASP2	1'	21	43	2.05	0.20	409	sandy sand damp	-	-	N

	ASP3	1'	22	44	2.00	0.19	380	sandy sand damp	-	-	N
	ASP4	1'	22	49	2.23	0.31	690	sandy sand damp	-	-	N
	ASP5	1'	19	45	2.37	0.24	568	sandy sand damp	-	-	N
	ASP6	1'	21	45	2.14	0.17	364	sandy sand damp	-	-	N
	ASP7	1'	20	48	2.40	0.16	384	sandy sand damp	-	-	N
	ASP8	1'	21	45	2.14	0.27	578	sandy sand damp	-	-	N
	ASP9	1'	21	45	2.14	0.34	728	sandy sand damp	-	-	N
	ASP10	1'	23	48	2.09	0.26	542	sandy sand damp	-	548	N
31-May	ASP11	1'	-	-	-	-	-	sandy sand damp	400.0	-	N
	ASP12	1'	-	-	-	-	-	sandy sand damp	292.8	-	N
	ASP13	1'	-	-	-	-	-	sandy sand damp	432.0	-	N
	ASP14	1'	-	-	-	-	-	sandy sand damp	370.4	-	N
	ASP15	1'	-	-	-	-	-	sandy sand damp	334.4	-	N
	ASP16	1'	-	-	-	-	-	sandy sand damp	332	-	N
	ASP17	1'	-	-	-	-	-	sandy sand damp	393.2	-	N
	ASP18	1'	-	-	-	-	-	sandy sand damp	338.8	-	N
	ASP19	1'	-	-	-	-	-	sandy sand damp	644	-	N
1-Jun	ASP20	1'	-	-	-	-	-	sandy sand damp	334	316	N
	ASP21	1'	-	-	-	-	-	sandy sand damp	412	-	N
	ASP22	1'	-	-	-	-	-	sandy sand damp	321.6	-	N
	ASP23	1'	-	-	-	-	-	sandy sand damp	548	-	N
	ASP24	1'	-	-	-	-	-	sandy sand damp	389.2	-	N
	ASP25	1'	-	-	-	-	-	sandy sand damp	96	-	N
	ASP26	1'	-	-	-	-	-	sandy sand damp	279.6	-	N
	ASP27	1'	-	-	-	-	-	sandy sand damp	424	-	N
	ASP28	1'	-	-	-	-	-	sandy sand damp	484	-	N
	ASP29	1'	-	-	-	-	-	sandy sand damp	372.8	-	N
	ASP30	1'	-	-	-	-	-	sandy sand damp	572	607	N
	ASP31	1'	-	-	-	-	-	sandy sand damp	195.2	-	N
	ASP32	1'	-	-	-	-	-	sandy sand damp	440	-	N
	ASP33	1'	-	-	-	-	-	sandy sand damp	393.6	-	N
	ASP34	1'	-	-	-	-	-	sandy sand damp	356.8	-	N
	ASP35	1'	-	-	-	-	-	sandy sand damp	314.8	-	N
	ASP36	1'	-	-	-	-	-	sandy sand damp	412	-	N

	ASP37	1'	-	-	-	-	-	sandy sand damp	387.2	-	N
	ASP38	1'	-	-	-	-	-	sandy sand damp	294	-	N
	ASP39	1'	-	-	-	-	-	sandy sand damp	397.6	-	N
	ASP40	1'	-	-	-	-	-	sandy sand damp	223.6	200	N
	ASP41	1'	-	-	-	-	-	sandy sand damp	118	180	N
	ASP42	1'	-	-	-	-	-	sandy sand damp	131.6	183	N
	ASP43	1'	-	-	-	-	-	sandy sand damp	266	380	N
	ASP44	1'	-	-	-	-	-	sandy sand damp	106.4	176	N
	ASP45	1'	-	-	-	-	-	sandy sand damp	293.2	388	N
	ASP46	1'	-	-	-	-	-	sandy sand damp	142	202	N
	ASP47	1'	-	-	-	-	-	sandy sand damp	98	163	N
	ASP48	1'	-	-	-	-	-	sandy sand damp	229.2	322	N
	ASP49	1'	-	-	-	-	-	sandy sand damp	180.8	195	N
	ASP50	1'	-	-	-	-	-	sandy sand damp	130.8	192	N
	ASP51	1'	-	-	-	-	-	sandy sand damp	113.6	-	N
	ASP52	1'	-	-	-	-	-	sandy sand damp	250.4	-	N
	ASP53	1'	-	-	-	-	-	sandy sand damp	280.4	-	N
	ASP54	1'	-	-	-	-	-	sandy sand damp	201.6	-	N
	ASP55	1'	-	-	-	-	-	sandy sand damp	209.2	-	N
	ASP56	1'	-	-	-	-	-	sandy sand damp	124.4	-	N
	ASP57	1'	-	-	-	-	-	sandy sand damp	117.6	-	N
	ASP58	1'	-	-	-	-	-	sandy sand damp	169.2	-	N
	ASP59	1'	-	-	-	-	-	sandy sand damp	197.6	-	N
26-Jun	ASP60	1'	-	-	-	-	-	sandy sand damp	160	-	N
	ASP61	1'	-	-	-	-	-	sandy sand damp	448	-	N
	ASP62	1'	-	-	-	-	-	sandy sand damp	143.2	-	N
B STOCKPILES											
6-Jun	B1	1'	-	-	-	-	-	sandy sand damp	260	-	N
	B2	1'	-	-	-	-	-	sandy sand damp	329.6	-	N
	B3	1'	-	-	-	-	-	sandy sand damp	254	-	N
	B4	1'	-	-	-	-	-	sandy sand damp	260	-	N
	B5	1'	-	-	-	-	-	sandy sand damp	329.6	-	N
	B6	1'	-	-	-	-	-	sandy sand damp	254	-	N
	B7	1'	-	-	-	-	-	sandy sand damp	138	-	N

	B8	1'	-	-	-	-	-	sandy sand damp	249.6	-	N
	B9	1'	-	-	-	-	-	sandy sand damp	137.6	-	N
	B10	1'	-	-	-	-	-	sandy sand damp	291.2	296	N
	B11	1'	-	-	-	-	-	sandy sand damp	580	-	N
	B12	1'	-	-	-	-	-	sandy sand damp	428	-	N
	B13	1'	-	-	-	-	-	sandy sand damp	260.4	-	N
	B14	1'	-	-	-	-	-	sandy sand damp	104.8	-	N
	B15	1'	-	-	-	-	-	sandy sand damp	296.8	-	N
	B16	1'	-	-	-	-	-	sandy sand damp	277.6	-	N
	B17	1'	-	-	-	-	-	sandy sand damp	283.2	-	N
	B18	1'	-	-	-	-	-	sandy sand damp	452	-	N
	B19	1'	-	-	-	-	-	sandy sand damp	208.4	-	N
	B20	1'	-	-	-	-	-	sandy sand damp	354.8	127	N
	B21	1'	-	-	-	-	-	sandy sand damp	243.6	-	N
	B22	1'	-	-	-	-	-	sandy sand damp	334	-	N
	B23	1'	-	-	-	-	-	sandy sand damp	456	-	N
	B24	1'	-	-	-	-	-	sandy sand damp	386.4	-	N
	B25	1'	-	-	-	-	-	sandy sand damp	1376	-	Y
	B26	1'	-	-	-	-	-	sandy sand damp	524	-	N
	B27	1'	-	-	-	-	-	sandy sand damp	1016	-	Y
	B28	1'	-	-	-	-	-	sandy sand damp	296	-	N
	B29	1'	-	-	-	-	-	sandy sand damp	584	-	N
	B30	1'	-	-	-	-	-	sandy sand damp	257.6	266	N
	B31	1'	-	-	-	-	-	sandy sand damp	276.8	-	N
26-Apr	BSP1	1'	19	49	2.58	0.07	180	sandy sand damp	-	-	N
	BSP2	1'	15	49	3.27	0.28	914	sandy sand damp	-	-	Y
	BSP3	1'	15	46	3.07	0.17	521	sandy sand damp	-	-	N
	BSP4	1'	16	42	2.63	0.19	499	sandy sand damp	-	-	N
	BSP5	1'	15	51	3.40	0.27	918	sandy sand damp	-	-	Y
	BSP6	1'	18	51	2.83	0.53	1501	sandy sand damp	-	-	Y
	BSP7	1'	16	50	3.13	0.38	1187	sandy sand damp	-	-	Y
	BSP8	1'	15	50	3.33	0.26	866	sandy sand damp	-	-	Y
	BSP9	1'	20	54	2.70	0.29	783	sandy sand damp	-	-	Y
	BSP10	1'	19	49	2.58	0.27	696	sandy sand damp	-	-	N

	BSP11	1'	16	50	3.13	0.31	968	sandy sand damp	-	-	Y
	BSP12	1'	23	44	1.91	0.43	822	sandy sand damp	-	-	Y
	BSP13	1'	22	44	2.00	0.77	1540	sandy sand damp	-	-	Y
	BSP14	1'	18	44	2.44	0.62	1515	sandy sand damp	-	-	Y
	BSP15	1'	18	42	2.33	0.51	1190	sandy sand damp	-	-	Y
	BSP16	1'	19	43	2.26	0.57	1290	sandy sand damp	-	-	Y
	BSP17	1'	19	50	2.63	0.34	894	sandy sand damp	-	-	Y
	BSP18	1'	25	37	1.48	0.17	252	sandy sand damp	-	-	N
	BSP19	1'	17	43	2.53	0.48	1214	sandy sand damp	-	-	Y
	BSP20	1'	18	47	2.61	0.2	522	sandy sand damp	-	-	N
	BSP21	1'	15	45	3.00	0.15	450	sandy sand damp	-	-	N
	BSP22	1'	17	51	3.00	0.15	450	sandy sand damp	-	-	N
	BSP23	1'	19	45	2.37	0.09	213	sandy sand damp	-	-	N
	BSP24	1'	21	43	2.05	0.1	205	sandy sand damp	-	-	N
	BSP25	1'	23	42	1.83	0.18	329	sandy sand damp	-	-	N
	BSP26	1'	24	47	1.96	0.28	548	sandy sand damp	-	-	N
	BSP27	1'	24	46	1.92	0.51	977	sandy sand damp	-	-	Y
	BSP28	1'	18	47	2.61	0.18	470	sandy sand damp	-	-	N
	BSP29	1'	21	45	2.14	0.19	407	sandy sand damp	-	-	N
	BSP30	1'	19	44	2.32	0.4	926	sandy sand damp	-	-	Y
	BSP31	1'	18	45	2.50	0.46	1150	sandy sand damp	-	-	Y
	BSP32	1'	19	48	2.53	0.65	1642	sandy sand damp	-	-	Y
	BSP33	1'	19	46	2.42	0.36	871	sandy sand damp	-	-	Y
	BSP34	1'	19	48	2.53	0.34	859	sandy sand damp	-	-	Y
	BSP35	1'	22	46	2.09	0.75	1568	sandy sand damp	-	-	Y
	BSP36	1'	22	47	2.14	0.5	1068	sandy sand damp	-	-	Y
	BSP37	1'	19	43	2.26	0.84	1900	sandy sand damp	-	-	Y
	BSP38	1'	22	42	1.91	0.81	1546	sandy sand damp	-	-	Y
	BSP39	1'	18	41	2.28	0.28	638	sandy sand damp	-	-	N
	BSP40	1'	24	44	1.83	0.75	1375	sandy sand damp	-	-	Y
*Stockpiles in section B were reblended with sections C and F.											
C STOCKPILES											
27-Apr	CSP1	1'	19	46	2.42	0.16	387	sandy sand damp	-	-	N
	CSP2	1'	17	46	2.71	0.15	406	sandy sand damp	-	-	N

	CSP3	1'	15	44	2.93	0.12	352	sandy sand damp	-	-	N
	CSP4	1'	12	48	4.00	0.2	800	sandy sand damp	-	-	N
	CSP5	1'	19	45	2.37	0.17	403	sandy sand damp	-	-	N
	CSP6	1'	14	43	3.07	0.3	921	sandy sand damp	-	-	N
	CSP7	1'	18	49	2.72	0.52	1415	sandy sand damp	-	-	Y
	CSP8	1'	17	48	2.82	0.3	847	sandy sand damp	-	-	N
	CSP9	1'	19	44	2.32	0.24	556	sandy sand damp	-	-	N
	CSP10	1'	22	47	2.14	0.46	982	sandy sand damp	-	*	N
	CSP11	1'	22	43	1.95	0.64	1251	sandy sand damp	-	-	Y
	CSP12	1'	17	43	2.53	0.39	986	sandy sand damp	-	-	N
	CSP13	1'	15	46	3.07	0.56	1717	sandy sand damp	-	-	Y
	CSP14	1'	19	46	2.42	0.27	653	sandy sand damp	-	-	N
	CSP15	1'	21	46	2.19	0.43	942	sandy sand damp	-	-	N
	CSP16	1'	24	41	1.71	0.44	751	sandy sand damp	-	-	N
	CSP17	1'	19	47	2.47	0.26	643	sandy sand damp	-	-	N
	CSP18	1'	18	46	2.56	0.3	766	sandy sand damp	-	-	N
	CSP19	1'	28	40	1.43	0.59	843	sandy sand damp	-	-	N
	CSP20	1'	17	43	2.53	0.3	759	sandy sand damp	-	*	N
	CSP21	1'	14	41	2.93	0.18	527	sandy sand damp	-	-	N
	CSP22	1'	16	40	2.50	0.38	950	sandy sand damp	-	-	N
	CSP23	1'	15	46	3.07	0.15	460	sandy sand damp	-	-	N
	CSP24	1'	15	41	2.73	0.23	628	sandy sand damp	-	-	N
	CSP25	1'	16	41	2.56	0.28	717	sandy sand damp	-	-	N
	CSP26	1'	15	47	3.13	0.32	1002	sandy sand damp	-	-	Y
17-May	CSP27	1'	-	-	-	-	-	sandy sand damp	469.0	-	N
	CSP28	1'	-	-	-	-	-	sandy sand damp	516.0	-	N
	CSP29	1'	-	-	-	-	-	sandy sand damp	664.0	-	N
	CSP30	1'	-	-	-	-	-	sandy sand damp	320.8	*	N
	CSP31	1'	-	-	-	-	-	sandy sand damp	456	-	N
	CSP32	1'	-	-	-	-	-	sandy sand damp	548	-	N
	CSP33	1'	-	-	-	-	-	sandy sand damp	391.2	-	N
	CSP34	1'	-	-	-	-	-	sandy sand damp	512	-	N
	CSP35	1'	-	-	-	-	-	sandy sand damp	576	-	N
	CSP36	1'	-	-	-	-	-	sandy sand damp	307.6	-	N

CSP37	1'	-	-	-	-	-	sandy sand damp	159.2	-	N
CSP38	1'	-	-	-	-	-	sandy sand damp	129.2	-	N
CSP39	1'	-	-	-	-	-	sandy sand damp	266.4	-	N
CSP40	1'	-	-	-	-	-	sandy sand damp	236	*	N
CSP41	1'	-	-	-	-	-	sandy sand damp	147.2	-	N
CSP42	1'	-	-	-	-	-	sandy sand damp	226.8	-	N
CSP43	1'	-	-	-	-	-	sandy sand damp	179.6	-	N
CSP44	1'	-	-	-	-	-	sandy sand damp	242.8	-	N
CSP45	1'	-	-	-	-	-	sandy sand damp	396.4	-	N
CSP46	1'	-	-	-	-	-	sandy sand damp	272.8	-	N
CSP47	1'	-	-	-	-	-	sandy sand damp	780	-	Y
CSP48	1'	-	-	-	-	-	sandy sand damp	354.8	-	N
CSP49	1'	-	-	-	-	-	sandy sand damp	696	-	N
CSP50	1'	-	-	-	-	-	sandy sand damp	500	*	N
CSP51	1'	-	-	-	-	-	sandy sand damp	432	-	N
CSP52	1'	-	-	-	-	-	sandy sand damp	500	-	N
CSP53	1'	-	-	-	-	-	sandy sand damp	904	-	Y
CSP54	1'	-	-	-	-	-	sandy sand damp	984	-	Y
CSP55	1'	-	-	-	-	-	sandy sand damp	828	-	Y
CSP56	1'	-	-	-	-	-	sandy sand damp	792	-	Y
CSP57	1'	-	-	-	-	-	sandy sand damp	592	-	N
CSP58	1'	-	-	-	-	-	sandy sand damp	472	-	N
CSP59	1'	-	-	-	-	-	sandy sand damp	600	-	N
CSP60	1'	-	-	-	-	-	sandy sand damp	916	*	Y
CSP61	1'	-	-	-	-	-	sandy sand damp	816	-	Y
CSP62	1'	-	-	-	-	-	sandy sand damp	1044	-	Y

*Stockpiles in section C were reblended with sections B and F.

D STOCKPILES

27-Apr	DSP1	1'	20	45	2.25	0.45	1012	sandy sand damp	-	-	Y
	DSP2	1'	19	49	2.58	0.37	954	sandy sand damp	-	-	Y
	DSP3	1'	17	48	2.82	0.52	1468	sandy sand damp	-	-	Y
	DSP4	1'	20	46	2.30	0.5	1150	sandy sand damp	-	-	Y
	DSP5	1'	17	46	2.71	0.52	1407	sandy sand damp	-	-	Y
	DSP6	1'	18	55	3.06	0.32	977	sandy sand damp	-	-	Y

	DSP7	1'	16	49	3.06	0.53	1623	sandy sand damp	-	-	Y
	DSP8	1'	19	49	2.58	0.17	438	sandy sand damp	-	-	N
	DSP9	1'	22	48	2.18	0.26	567	sandy sand damp	-	-	N
	DSP10	1'	16	50	3.13	0.24	750	sandy sand damp	-	163	Y
	DSP11	1'	17	49	2.88	0.25	720	sandy sand damp	-	-	N
	DSP12	1'	16	49	3.06	0.1	306	sandy sand damp	-	-	N
	DSP13	1'	16	44	2.75	0.13	357	sandy sand damp	-	-	N
	DSP14	1'	16	49	3.06	0.11	337	sandy sand damp	-	-	N
	DSP15	1'	19	45	2.37	0.4	947	sandy sand damp	-	-	Y
	DSP16	1'	16	48	3.00	0.18	540	sandy sand damp	-	-	N
28-Apr	DSP17	1'	17	52	3.06	0.07	214	sandy sand damp	-	-	N
	DSP18	1'	15	50	3.33	0.08	267	sandy sand damp	-	-	N
	DSP19	1'	16	48	3.00	0.17	510	sandy sand damp	-	-	N
	DSP20	1'	16	48	3.00	0.12	360	sandy sand damp	-	169	N
	DSP21	1'	22	48	2.18	0.12	262	sandy sand damp	-	-	N
	DSP22	1'	14	49	3.50	0.07	245	sandy sand damp	-	-	N
	DSP23	1'	19	47	2.47	0.1	247	sandy sand damp	-	-	N
	DSP24	1'	19	44	2.32	0.07	162	sandy sand damp	-	-	N
	DSP25	1'	22	45	2.05	0.13	266	sandy sand damp	-	-	N
	DSP26	1'	17	49	2.88	0.17	490	sandy sand damp	-	-	N
	DSP27	1'	16	48	3.00	0.34	1020	sandy sand damp	-	-	Y
	DSP28	1'	18	48	2.67	0.36	960	sandy sand damp	-	-	Y
	DSP29	1'	19	46	2.42	0.14	339	sandy sand damp	-	-	N
	DSP30	1'	19	50	2.63	0.16	421	sandy sand damp	-	346	N
	DSP31	1'	26	42	1.62	0.57	920	sandy sand damp	-	-	Y
	DSP32	1'	15	54	3.60	0.38	1368	sandy sand damp	-	-	Y
	DSP33	1'	15	45	3.00	0.16	480	sandy sand damp	-	-	N
	DSP34	1'	15	47	3.13	0.11	345	sandy sand damp	-	-	N
	DSP35	1'	15	54	3.60	0.18	648	sandy sand damp	-	-	N
	DSP36	1'	14	47	3.36	0.46	1544	sandy sand damp	-	-	Y
	DSP37	1'	22	49	2.23	0.21	468	sandy sand damp	-	-	N
	DSP38	1'	23	47	2.04	0.13	266	sandy sand damp	-	-	N
	DSP39	1'	16	47	2.94	0.15	440	sandy sand damp	-	-	N
	DSP40	1'	14	49	3.50	0.11	385	sandy sand damp	-	284	N

	DSP41	1'	16	46	2.88	0.11	316	sandy sand damp	-	-	N
	DSP42	1'	16	51	3.19	0.1	319	sandy sand damp	-	-	N
	DSP43	1'	15	48	3.20	0.07	224	sandy sand damp	-	-	N
	DSP44	1'	19	43	2.26	0.12	271	sandy sand damp	-	-	N
	DSP45	1'	21	48	2.29	0.08	183	sandy sand damp	-	-	N
	DSP46	1'	17	45	2.65	0.11	291	sandy sand damp	-	-	N
	DSP47	1'	20	47	2.35	0.1	235	sandy sand damp	-	-	N
	DSP48	1'	21	39	1.86	0.26	483	sandy sand damp	-	-	N
	DSP49	1'	23	42	1.83	0.15	274	sandy sand damp	-	-	N
	DSP50	1'	17	46	2.71	0.16	433	sandy sand damp	-	232	N
	DSP51	1'	17	49	2.88	0.13	375	sandy sand damp	-	-	N
	DSP52	1'	17	45	2.65	0.1	265	sandy sand damp	-	-	N
	DSP53	1'	14	46	3.29	0.08	263	sandy sand damp	-	-	N
	DSP54	1'	19	42	2.21	0.07	155	sandy sand damp	-	-	N
	DSP55	1'	16	45	2.81	0.07	197	sandy sand damp	-	381	N
	DSP56	1'	15	50	3.33	0.06	200	sandy sand damp	-	154	N
	DSP57	1'	13	48	3.69	0.07	258	sandy sand damp	-	155	N
	DSP58	1'	16	45	2.81	0.09	253	sandy sand damp	-	178	N
	DSP59	1'	14	47	3.36	0.09	302	sandy sand damp	-	145	N
	DSP60	1'	15	49	3.27	0.07	229	sandy sand damp	-	151	N
	DSP61	1'	19	47	2.47	0.03	74	sandy sand damp	-	156	N
	DSP62	1'	16	48	3.00	0.1	300	sandy sand damp	-	157	N
	DSP63	1'	17	47	2.76	0.08	221	sandy sand damp	-	139	N
	DSP64	1'	17	49	2.88	0.1	288	sandy sand damp	-	99.5	N

E STOCKPILES

16-May	ESP1	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP2	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP3	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP4	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP5	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP6	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP7	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP8	1'	-	-	-	-	-	sandy sand damp	-	-	N
	ESP9	1'	-	-	-	-	-	sandy sand damp	-	-	N

	ESP10	1'	-	-	-	-	-	sandy sand damp	-	1400	Y
F STOCKPILES											
3-May	FSP1	1'	19	43	2.26	0.18	407	sandy sand damp	-	-	N
	FSP2	1'	15	45	3.00	0.23	690	sandy sand damp	-	-	N
	FSP3	1'	18	50	2.78	0.26	722	sandy sand damp	-	-	N
	FSP4	1'	17	48	2.82	0.33	931	sandy sand damp	-	-	N
	FSP5	1'	18	45	2.50	0.38	950	sandy sand damp	-	-	N
	FSP6	1'	18	44	2.44	0.38	929	sandy sand damp	-	-	Y
	FSP7	1'	18	49	2.72	0.3	816	sandy sand damp	-	-	Y
	FSP8	1'	16	44	2.75	0.21	577	sandy sand damp	-	-	N
	FSP9	1'	15	46	3.07	0.16	491	sandy sand damp	-	-	N
	FSP10	1'	24	42	1.75	0.22	385	sandy sand damp	-	*	N
	FSP11	1'	20	45	2.25	0.18	405	sandy sand damp	-	-	N
	FSP12	1'	21	46	2.19	0.38	832	sandy sand damp	-	-	Y
	FSP13	1'	17	46	2.71	0.35	947	sandy sand damp	-	-	Y
	FSP14	1'	19	45	2.37	0.17	403	sandy sand damp	-	-	N
	FSP15	1'	21	43	2.05	0.47	962	sandy sand damp	-	-	Y
	FSP16	1'	23	43	1.87	0.11	206	sandy sand damp	-	-	N
	FSP17	1'	20	44	2.20	0.15	330	sandy sand damp	-	-	N
	FSP18	1'	17	47	2.76	0.25	691	sandy sand damp	-	-	N
	FSP19	1'	19	46	2.42	0.09	218	sandy sand damp	-	-	N
	FSP20	1'	16	48	3.00	0.19	570	sandy sand damp	-	*	N
	FSP21	1'	19	41	2.16	0.18	388	sandy sand damp	-	-	N
	FSP22	1'	16	49	3.06	0.25	765	sandy sand damp	-	-	Y
	FSP23	1'	17	48	2.82	0.33	931	sandy sand damp	-	-	Y
	FSP24	1'	15	45	3.00	0.22	660	sandy sand damp	-	-	N
	FSP25	1'	21	51	2.43	0.08	194	sandy sand damp	-	-	N
	FSP26	1'	19	46	2.42	0.21	508	sandy sand damp	-	-	N
	FSP27	1'	15	47	3.13	0.12	376	sandy sand damp	-	-	N
	FSP28	1'	20	43	2.15	0.2	430	sandy sand damp	-	-	N
	FSP29	1'	15	49	3.27	0.25	816	sandy sand damp	-	-	Y
	FSP30	1'	14	50	3.57	0.23	821	sandy sand damp	-	*	Y
	FSP31	1'	19	47	2.47	0.39	964	sandy sand damp	-	-	Y
	FSP32	1'	22	49	2.23	0.15	334	sandy sand damp	-	-	N

4-May	FSP33	1'	21	48	2.29	0.21	480	sandy sand damp	-	-	N
	FSP34	1'	15	47	3.13	0.24	752	sandy sand damp	-	-	Y
	FSP35	1'	15	47	3.13	0.37	1159	sandy sand damp	-	-	Y
	FSP36	1'	17	48	2.82	0.4	1129	sandy sand damp	-	-	Y
	FSP37	1'	16	47	2.94	0.23	675	sandy sand damp	-	-	N
	FSP38	1'	18	45	2.50	0.08	200	sandy sand damp	-	-	N
	FSP39	1'	22	47	2.14	0.67	1431	sandy sand damp	-	-	Y
	FSP40	1'	15	49	3.27	0.07	229	sandy sand damp	-	*	N
	FSP41	1'	19	48	2.53	0.28	707	sandy sand damp	-	-	N

*Stockpiles in section F were reblended with sections B and C

H STOCKPILES

8-May	H1	1'	-	-	-	-	-	sandy sand damp	350	-	
	H2	1'	-	-	-	-	-	sandy sand damp	372.8	-	
	H3	1'	-	-	-	-	-	sandy sand damp	480	-	
	H4	1'	-	-	-	-	-	sandy sand damp	560	-	
	H5	1'	-	-	-	-	-	sandy sand damp	460	-	
	H6	1'	-	-	-	-	-	sandy sand damp	424	-	
	H7	1'	-	-	-	-	-	sandy sand damp	492	-	
	H8	1'	-	-	-	-	-	sandy sand damp	424	-	
	H9	1'	-	-	-	-	-	sandy sand damp	656	-	
	H10	1'	-	-	-	-	-	sandy sand damp	404	411	
	H11	1'	-	-	-	-	-	sandy sand damp	480	-	
	H12	1'	-	-	-	-	-	sandy sand damp	436	-	
	H13	1'	-	-	-	-	-	sandy sand damp	484	-	
	H14	1'	-	-	-	-	-	sandy sand damp	520	-	
	H15	1'	-	-	-	-	-	sandy sand damp	321.6	-	
	H16	1'	-	-	-	-	-	sandy sand damp	348.4	-	
	H17	1'	-	-	-	-	-	sandy sand damp	305.2	-	
	H18	1'	-	-	-	-	-	sandy sand damp	369.6	-	
	H19	1'	-	-	-	-	-	sandy sand damp	404	-	
	H20	1'	-	-	-	-	-	sandy sand damp	544	367	
	H21	1'	-	-	-	-	-	sandy sand damp	416	-	
	H22	1'	-	-	-	-	-	sandy sand damp	640	-	

H23	1'	-	-	-	-	-	sandy sand damp	576	-	
H24	1'	-	-	-	-	-	sandy sand damp	492	-	
H25	1'	-	-	-	-	-	sandy sand damp	444	-	
H26	1'	-	-	-	-	-	sandy sand damp	448	-	
H27	1'	-	-	-	-	-	sandy sand damp	564	-	
H28	1'	-	-	-	-	-	sandy sand damp	408	-	
H29	1'	-	-	-	-	-	sandy sand damp	352.4	-	
H30	1'	-	-	-	-	-	sandy sand damp	428	380	
H31	1'	-	-	-	-	-	sandy sand damp	249.6	-	
H32	1'	-	-	-	-	-	sandy sand damp	272.8	-	
H33	1'	-	-	-	-	-	sandy sand damp	395.6	-	
H34	1'	-	-	-	-	-	sandy sand damp	290.4	-	
H35	1'	-	-	-	-	-	sandy sand damp	219.2	-	
H36	1'	-	-	-	-	-	sandy sand damp	504	-	
H37	1'	-	-	-	-	-	sandy sand damp	416	-	
H38	1'	-	-	-	-	-	sandy sand damp	392.4	-	
H39	1'	-	-	-	-	-	sandy sand damp	672	-	
H40	1'	-	-	-	-	-	sandy sand damp	824	973	
H41	1'	-	-	-	-	-	sandy sand damp	620	-	
H42	1'	-	-	-	-	-	sandy sand damp	416	-	
H43	1'	-	-	-	-	-	sandy sand damp	692	973	
H44	1'	-	-	-	-	-	sandy sand damp	664	-	
H45	1'	-	-	-	-	-	sandy sand damp	476	-	
H46	1'	-	-	-	-	-	sandy sand damp	548	973	

POWER LINE SAMPLES

15-Jun	PLS1	1'	-	-	-	-	-	sandy sand damp	4.4	-	N
	PLS2	2'	-	-	-	-	-	sandy sand damp	5.6	-	N
	PLS3	3'	-	-	-	-	-	sandy sand damp	4.8	-	N
	PLS4	4'	-	-	-	-	-	sandy sand damp	12	<4.99	N
	PLS5	1'	-	-	-	-	-	sandy sand damp	9.6	-	N
	PLS6	2'	-	-	-	-	-	sandy sand damp	8.4	-	N
	PLS7	3'	-	-	-	-	-	sandy sand damp	7.6	-	N
	PLS8	4'	-	-	-	-	-	sandy sand damp	8	8.39	N
	PLS9	1'	-	-	-	-	-	sandy sand damp	6.4	-	N

	PLS10	2'	-	-	-	-	-	sandy sand damp	7.2	-	N
	PLS11	3'	-	-	-	-	-	sandy sand damp	6.8	-	N
	PLS12	4'	-	-	-	-	-	sandy sand damp	9.6	5.83	N
	PLS13	1'	-	-	-	-	-	sandy sand damp	4	-	N
	PLS14	2'	-	-	-	-	-	sandy sand damp	5.6	-	N
	PLS15	3'	-	-	-	-	-	sandy sand damp	4.8	-	N
	PLS16	4'	-	-	-	-	-	sandy sand damp	4.8	6.98	N
	PLS17	1'	-	-	-	-	-	sandy sand damp	4.4	-	N
	PLS18	2'	-	-	-	-	-	sandy sand damp	6	-	N
	PLS19	3'	-	-	-	-	-	sandy sand damp	6.8	-	N
	PLS20	4'	-	-	-	-	-	sandy sand damp	5.6	<4.94	N
	PLS21	1'	-	-	-	-	-	sandy sand damp	7.2	-	N
	PLS22	2'	-	-	-	-	-	sandy sand damp	4.4	-	N
	PLS23	3'	-	-	-	-	-	sandy sand damp	6.8	-	N
	PLS24	4'	-	-	-	-	-	sandy sand damp	8.8	12.4	N
	PLS25	1'	-	-	-	-	-	sandy sand damp	7.2	-	N
	PLS26	2'	-	-	-	-	-	sandy sand damp	6.8	-	N
	PLS27	3'	-	-	-	-	-	sandy sand damp	7.2	-	N
	PLS28	4'	-	-	-	-	-	sandy sand damp	4.4	<4.98	N
	PLS29	1'	-	-	-	-	-	sandy sand damp	5.6	-	N
	PLS30	2'	-	-	-	-	-	sandy sand damp	5.2	-	N
	PLS31	3'	-	-	-	-	-	sandy sand damp	6	-	N
	PLS32	4'	-	-	-	-	-	sandy sand damp	4	10.8	N
	PLS33	1'	-	-	-	-	-	sandy sand damp	4.4	-	N
	PLS34	2'	-	-	-	-	-	sandy sand damp	6.8	-	N
	PLS35	3'	-	-	-	-	-	sandy sand damp	6	-	N
	PLS36	4'	-	-	-	-	-	sandy sand damp	4.8	<4.99	N
	PLS37	1'	-	-	-	-	-	sandy sand damp	5.6	-	N
	PLS38	2'	-	-	-	-	-	sandy sand damp	6.4	-	N
	PLS39	3'	-	-	-	-	-	sandy sand damp	4.8	-	N
	PLS40	4'	-	-	-	-	-	sandy sand damp	5.2	<4.95	N
MIXED & BLENDED SAMPLES											
8-May	MB1	1'	18	44	2.44	0.04	98	sandy sand damp	-	-	N
	MB2	1'	23	44	1.91	0.07	134	sandy sand damp	-	-	N

	MB3	1'	22	49	2.23	0.01	22	sandy sand damp	-	-	N
	MB4	1'	15	46	3.07	0.02	61	sandy sand damp	-	-	N
	MB5	1'	15	51	3.40	0.05	170	sandy sand damp	-	-	N
	MB6	1'	19	41	2.16	0.05	108	sandy sand damp	-	-	N
	MB7	1'	18	41	2.28	0.07	159	sandy sand damp	-	-	N
	MB8	1'	20	42	2.10	0.08	168	sandy sand damp	-	-	N
	MB9	1'	18	45	2.50	0.03	75	sandy sand damp	-	-	N
	MB10	1'	16	46	2.88	0.38	1092	sandy sand damp	-	64.7	Y
	MB11	1'	17	46	2.71	0.16	433	sandy sand damp	-	-	N
	MB12	1'	20	52	2.60	0.06	156	sandy sand damp	-	-	N
10-May	DMB2	1'	20	42	2.10	0.4	840	sandy sand damp	-	-	N
	DMB3	1'	21	42	2.00	0.28	560	sandy sand damp	-	-	N
	DMB4	1'	17	46	2.71	0.56	1515	sandy sand damp	-	-	Y
	DMB5	1'	17	50	2.94	0.27	794	sandy sand damp	-	-	N

LOCATION: OWL BOBCAT/REDHILLS PIPELINE RELEASE SPILL AREA

DATE	Sample Pt.	DEPTH	SOIL	WATER	CF	AgNO ₃	CL-	SOIL LITHOLOGY	FIELD SCREENING <i>HORIBA D-73</i>	LAB RESULTS CL-	BLENDED Y / N
21-Jun	G1	1'	-	-	-	-	-	sandy sand damp	304.4	-	N
	G2	1'	-	-	-	-	-	sandy sand damp	68.8	-	N
	G3	1'	-	-	-	-	-	sandy sand damp	123.2	-	N
	G4	1'	-	-	-	-	-	sandy sand damp	104.4	-	N
	G5	1'	-	-	-	-	-	sandy sand damp	172.4	-	N
	G6	1'	-	-	-	-	-	sandy sand damp	145.6	-	N
	G7	1'	-	-	-	-	-	sandy sand damp	80.4	-	N
	G8	1'	-	-	-	-	-	sandy sand damp	75.6	-	N
	G9	1'	-	-	-	-	-	sandy sand damp	46.4	-	N
	G10	1'	-	-	-	-	-	sandy sand damp	56.4	54.5	N
	G11	1'	-	-	-	-	-	sandy sand damp	51.2	-	N
	G12	1'	-	-	-	-	-	sandy sand damp	79.6	-	N
	G13	1'	-	-	-	-	-	sandy sand damp	67.2	-	N
	G14	1'	-	-	-	-	-	sandy sand damp	58.4	-	N
	G15	1'	-	-	-	-	-	sandy sand damp	224.8	-	N

G16	1'	-	-	-	-	-	sandy sand damp	30.16	-	N
G17	1'	-	-	-	-	-	sandy sand damp	46.4	-	N
G18	1'	-	-	-	-	-	sandy sand damp	42	-	N
G19	1'	-	-	-	-	-	sandy sand damp	40.4	-	N
G20	1'	-	-	-	-	-	sandy sand damp	44.4	58.6	N
G21	1'	-	-	-	-	-	sandy sand damp	43.6	-	N
G22	1'	-	-	-	-	-	sandy sand damp	53.6	-	N
G23	1'	-	-	-	-	-	sandy sand damp	47.2	-	N
G24	1'	-	-	-	-	-	sandy sand damp	46	-	N
G25	1'	-	-	-	-	-	sandy sand damp	34.28	-	N
G26	1'	-	-	-	-	-	sandy sand damp	35	-	N
G27	1'	-	-	-	-	-	sandy sand damp	30	-	N
G28	1'	-	-	-	-	-	sandy sand damp	102.4	-	N
G29	1'	-	-	-	-	-	sandy sand damp	63.6	-	N
G30	1'	-	-	-	-	-	sandy sand damp	41.2	67.3	N
G31	1'	-	-	-	-	-	sandy sand damp	53.2	-	N
G32	1'	-	-	-	-	-	sandy sand damp	47.2	-	N
G33	1'	-	-	-	-	-	sandy sand damp	42	-	N
G34	1'	-	-	-	-	-	sandy sand damp	45.6	-	N
G35	1'	-	-	-	-	-	sandy sand damp	33.56	-	N
G36	1'	-	-	-	-	-	sandy sand damp	56.8	-	N
G37	1'	-	-	-	-	-	sandy sand damp	64.4	-	N
G38	1'	-	-	-	-	-	sandy sand damp	72.4	-	N
G39	1'	-	-	-	-	-	sandy sand damp	59.2	-	N
G40	1'	-	-	-	-	-	sandy sand damp	6.84	14.9	N
G41	1'	-	-	-	-	-	sandy sand damp	63.2	-	N
G42	1'	-	-	-	-	-	sandy sand damp	126.4	-	N
G43	1'	-	-	-	-	-	sandy sand damp	58.8	-	N
G44	1'	-	-	-	-	-	sandy sand damp	149.6	-	N
G45	1'	-	-	-	-	-	sandy sand damp	120.4	-	N
G46	1'	-	-	-	-	-	sandy sand damp	83.2	-	N
G47	1'	-	-	-	-	-	sandy sand damp	48	-	N
G48	1'	-	-	-	-	-	sandy sand damp	93.2	-	N
G49	1'	-	-	-	-	-	sandy sand damp	50.8	50.6	N