

ABNER RANGE
SEL 9779

Appendix 6

Soil Geochemistry Results

ABNER RANGE
2005 Soil Geochem Samples - Location and results.xls

Sampno	Type	Date	EASTING WGS 84	NORTHING WGS 84	Ba ppm	Ca %	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe %	Hf ppm	La ppm	Mg %	Mn ppm	Nb ppm	Nd ppm	Ni ppm	Pr ppm	Rb ppm	Sm ppm	Sr ppm	Ti ppm	Y ppm	Zn ppm	Zr ppm
04-06-001	SOIL	25/08/2004	595100	8145625	186	0.03	50.0	4	15	9	3.30	2.15		1.19		24.7	0.08	108	7.5		9		58.2		46	2200	21.0		9
04-06-002	SOIL	25/08/2004	595200	8145625	279	0.08	67.9	18	20	14	4.45	2.30		1.81		33.9	0.14	633	12.0		20		85.8		61	3240	25.9		21
04-06-003	SOIL	25/08/2004	595250	8145625	249	0.09	53.4	8	20	13	3.65	2.25		1.69		32.5	0.11	481	16.5		17		88.2		54	2820	23.6		22
04-06-004	SOIL	25/08/2004	595300	8145625	214	0.07	54.7	10	40	13	3.80	2.05		1.23		38.6	0.08	262	29.5		24		67.0		57	3080	21.6		11
04-06-005	SOIL	25/08/2004	595350	8145625	178	0.04	43.9	8	20	8	3.00	1.75		0.74		26.0	0.04	206	14.0		16		48.0		50	2240	18.5		7
04-06-006	SOIL	25/08/2004	595400	8145625	170	0.04	50.2	14	25	10	3.00	1.75		1.04		24.4	0.05	321	11.5		15		50.2		53	2680	17.9		7
04-06-007	SOIL	25/08/2004	595500	8145625	166	0.03	54.7	8	30	10	3.15	2.00		1.63		25.1	0.06	109	9.0		11		51.8		53	2980	20.1		8
04-06-008	SOIL	25/08/2004	594170	8145700	100	0.02	33.9	6	25	8	2.20	1.40		1.20		18.8	0.05	45	9.0		14		38.4		37	3400	12.8		9
04-06-009	SOIL	25/08/2004	594186	8145800	82	0.01	28.5	4	25	6	1.80	1.00		1.18		15.4	0.04	41	7.0		13		32.4		30	2820	10.0		8
04-06-010	SOIL	25/08/2004	594186	8145608	93	0.02	30.5	6	40	8	2.15	1.20		1.19		17.1	0.05	48	8.0		15		34.2		36	3200	10.9		13
04-06-011	SOIL	25/08/2004	594380	8145400	91	0.02	26.3	4	20	7	1.90	1.00		1.13		14.8	0.05	44	7.0		12		30.8		32	2920	10.3		10
04-06-012	SOIL	25/08/2004	595512	8145885	143	0.01	64.5	12	55	16	3.95	2.50		2.52		33.9	0.16	49	16.0		39		83.0		53	4140	23.5		20
04-06-013	SOIL	25/08/2004	595513	8145867	124	0.01	43.3	6	50	12	2.60	1.60		3.30		23.0	0.08	50	11.5		20		49.8		46	2860	15.6		12
04-06-014	SOIL	25/08/2004	595450	8145847	136	0.04	37.3	10	25	10	2.35	1.55		2.10		18.6	0.08	171	8.5		20		54.0		48	3020	14.0		14
04-06-015	SOIL	25/08/2004	595570	8145866	107	0.02	21.6	4	15	5	1.40	0.90		1.19		10.8	0.04	131	5.5		13		31.4		31	1960	9.3		8
159601	SOIL	21/04/2005	595300	8145796	138	0.05	41.8	8	30	8	2.65	1.50	0.68	1.33	2.6	19.5	0.06	130	5.5	16.9	20	4.58	39.6	3.40	44.0	2080	13.6	10	105
159602	SOIL	21/04/2005	595298	8145751	199	0.08	49.9	10	25	9	2.80	1.60	0.72	1.36	2.8	21.4	0.07	210	6.5	18.2	25	4.88	54.0	3.65	53.5	2380	14.1	9	102
159603	SOIL	21/04/2005	595301	8145699	243	0.11	67.9	26	40	14	4.55	2.50	1.28	2.11	3.6	37.5	0.12	773	12.0	33.0	30	8.70	74.6	6.60	66.0	3260	23.6	15	120
159604	SOIL	21/04/2005	595302	8145654	207	0.07	63.3	4	35	9	4.25	2.25	1.26	1.40	2.8	36.6	0.07	194	18.0	29.7	23	8.22	60.2	6.25	55.5	2840	20.9	9	102
159605	SOIL	21/04/2005	595300	8145599	221	0.08	53.7	6	35	7	3.90	2.00	1.04	1.19	5.2	37.2	0.07	312	24.0	25.0	28	7.18	72.6	5.00	56.0	2800	18.7	9	104
159606	SOIL	21/04/2005	595297	8145551	252	0.11	61.5	14	35	10	4.85	2.50	1.36	1.90	3.4	42.8	0.13	573	17.0	32.2	38	8.88	96.0	6.35	57.0	3000	24.8	16	115
159607	SOIL	21/04/2005	595299	8145501	234	0.06	61.7	14	30	12	3.95	2.30	1.06	1.43	3.4	32.5	0.12	444	7.5	27.6	17	7.58	80.8	5.80	53.5	2900	20.4	14	124
159608	SOIL	21/04/2005	595299	8145448	150	0.03	35.8	8	20	9	2.50	1.45	0.60	0.90	2.6	16.4	0.06	91	5.0	14.9	44	4.10	45.4	3.15	35.0	1720	13.2	9	103
159609	SOIL	21/04/2005	595299	8145397	199	0.05	45.0	10	25	12	3.25	1.75	0.86	1.33	2.6	21.5	0.09	196	5.5	20.5	39	5.42	54.6	4.35	41.5	2040	16.8	8	102
159610	SOIL	21/04/2005	595299	8145352	222	0.03	49.1	6	25	14	3.25	1.85	0.92	1.50	3.0	23.1	0.09	163	6.0	21.0	44	5.74	54.6	4.65	44.5	2460	17.2	9	104
159611	SOIL	21/04/2005	595298	8145301	201	0.02	69.9	8	35	14	4.70	2.50	1.36	1.91	4.0	34.6	0.12	99	9.5	31.7	25	8.56	71.4	6.85	67.0	4300	22.6	11	139
159612	SOIL	21/04/2005	595398	8145298	157	0.02	45.1	6	25	13	2.90	1.55	0.84	1.35	2.6	22.2	0.07	79	6.0	20.9	34	5.66	57.4	4.30	46.0	2760	14.6	8	100
159613	SOIL	21/04/2005	595400	8145348	176	0.04	48.2	6	25	13	3.35	1.80	0.90	1.27	3.4	24.2	0.08	96	6.5	22.5	20	5.94	57.2	4.65	49.5	2780	16.9	10	116
159614	SOIL	21/04/2005	595402	8145401	182	0.03	38.2	4	20	9	2.55	1.50	0.60	1.02	3.0	18.6	0.06	131	5.5	16.1	20	4.38	54.4	3.25	43.5	2540	13.2	8	110
159615	SOIL	21/04/2005	595400	8145449	213	0.08	57.8	12	30	18	3.95	2.35	1.08	1.57	3.4	27.6	0.14	225	7.0	25.8	38	6.68	71.2	5.55	57.0	2840	21.1	12	123
159616	SOIL	21/04/2005	595402	8145500	216	0.05	51.0	14	25	12	3.45	1.95	0.90	1.75	3.4	23.6	0.11	323	6.0	21.6	37	5.64	71.2	4.60	49.0	2480	17.7	11	113
159617	SOIL	21/04/2005	595400	8145551	200	0.05	43.3	18	25	9	3.40	1.80	0.88	1.21	2.8	23.6	0.06	362	8.5	20.4	32	5.52	59.0	4.35	51.0	2840	16.7	8	104
159618	SOIL	21/04/2005	595401	8145598	207	0.04	50.6	20	20	13	3.30	1.95	0.92	1.15	2.4	25.7	0.05	500	6.5	22.2	29	5.92	53.2	4.60	53.0	2620	17.1	9	92
159619	SOIL	21/04/2005	595401	8145649	192	0.04	57.3	18	25	12	3.25	1.85	0.92	1.26	2.8	29.2	0.05	505	12.5	22.8	37	6.30	52.8	4.60	54.0	2740	16.6	9	96
159620	SOIL	21/04/2005	595400	8145699	190	0.04	73.7	22	25	13	4.10	2.30	1.18	1.10	2.8	32.4	0.05	389	13.0	27.6	32	7.34	57.2	5.85	50.5	2740	19.3	9	107
159621	SOIL	21/04/2005	595397	8145748	134	0.02	35.2	10	25	8	2.20	1.30	0.58	1.37	2.6	16.3	0.04	199	5.5	13.1	26	3.54	40.8	2.75	37.5	2060	10.7	9	95
159622	SOIL	21/04/2005	595404	8145803	127	0.02	29.1	6	25	7	1.95	1.10	0.44	1.37	2.6	13.5	0.05	149	5.5	10.8	25	3.02	42.2	2.20	36.0	1980	9.7	8	102
159623	SOIL	21/04/2005	595503	8145800	135	0.03	31.1	8	30	9	2.10	1.25	0.50	1.67	3.0	14.9	0.05	247	5.5	12.3	27	3.38	47.0	2.60	39.5	2300	10.6	7	105
159624	SOIL	21/04/2005	595498	8145748	144	0.04	34.6	10	30	12	2.10	1.25	0.58	1.91	3.8	16.0	0.06	356	5.0	12.8	27	3.60	50.4	2.60	43.0	2540	10.7	8	107
159625	SOIL	21/04/2005	595500	8145701	148	0.06	34.3	6	30	11	2.20	1.35	0.58	1.81	3.0	16.2	0.06	211	5.5	13.6	22	3.74	50.0	2.85	45.0	2440	11.2	9	103
159626	SOIL	21/04/2005	595499	8145646	144	0.03	40.1	6	30	8	2.40	1.35	0.62	1.52	2.8	18.5	0.05	183	5.5	15.7	18	4.28	46.8	3.20	43.5	2300	11.7	8	95
159627	SOIL	21/04/2005	595499	8145599	205	0.03	71.5	14	45	18	5.25	2.85	1.46	2.92	4.2	36.8	0.17	110	9.5	34.9	27	9.30	91.6	7.15	61.0	3960	26.6	17	143
159628	SOIL	21/04/2005	595500	8145550	180	0.04	53.5	10	30	19	3.75	2.10	1.00	1.92	3.0	26.6	0.11	195	5.5	24.0	25	6.54	63.4	5.05	48.5	2600	19.1	12	107
159629	SOIL	21/04/2005	595500	8145500	187	0.05	44.7	4	15	13	2.85	1.65	0.74	1.39	2.6	21.3	0.07	134	5.0	18.0	17	5.04	58.6	3.75	49.5	2320	15.5	10	97
159630	SOIL	21/04/2005	595499	8145451	162	0.03	36.7	6	30	21	2.40	1.35	0.56	1.88	2.8	17.2	0.10	85	5.5	14.0	23	3.88	62.2	3.05	43.0	2360	12.0	12	106
159631	SOIL	21/04/2005	595497	8145401	171	0.02	36.7	4	20	13	2.30	1.30	0.54	1.51	2.6	17.3	0.08	80	4.5	13.9	20	3.90	61.6	3.05	42.0	2220	11.7	10	102
159632	SOIL	21/04/2005	595500	8145350	165	0.03	3																						

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Sampno	Type	Date	EASTING WGS 84	NORTHING WGS 84	Ba ppm	Ca %	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe %	Hf ppm	La ppm	Mg %	Mn ppm	Nb ppm	Nd ppm	Ni ppm	Pr ppm	Rb ppm	Sm ppm	Sr ppm	Ti ppm	Y ppm	Zn ppm	Zr ppm
159657	SOIL	22/04/2005	594450	8149250	186	0.08	64.4	8	15	55	5.70	3.10	1.34	2.00	3.6	33.3	0.12	478	8.5	30.6	35	8.08	71.4	6.40	98.0	4020	30.2	16	135
159658	SOIL	22/04/2005	594450	8149200	163	0.08	48.8	6	10	48	4.25	2.70	1.06	1.70	2.8	25.5	0.10	328	6.5	24.4	24	6.14	55.4	5.25	80.5	3180	27.2	11	113
159659	SOIL	22/04/2005	594450	8149150	175	0.14	44.5	4	15	44	3.90	2.50	1.00	1.36	2.8	23.3	0.10	421	6.5	22.4	21	5.70	59.2	4.85	72.5	2780	23.8	12	98
159660	SOIL	22/04/2005	594450	8149100	195	0.09	56.6	6	25	55	4.55	2.75	1.12	1.95	3.6	29.4	0.14	537	9.0	25.8	27	6.92	80.8	5.40	88.5	3460	28.2	17	124
159661	SOIL	22/04/2005	594300	8149660	159	0.03	26.6	2	20	29	3.80	1.75	0.66	0.90	2.0	12.5	0.05	66	4.0	13.7	27	3.42	31.2	3.30	36.5	1700	19.7	12	71
159662	SOIL	22/04/2005	594250	8149660	149	0.05	23.7	2	15	19	2.20	1.30	0.46	0.93	3.0	12.5	0.06	76	4.0	10.5	18	2.80	42.6	2.30	38.0	1880	13.1	12	89
159663	SOIL	22/04/2005	594200	8149660	157	0.02	25.2	2	10	14	2.95	1.95	0.72	0.64	2.0	12.0	0.05	48	4.0	14.1	13	3.34	30.4	3.40	33.5	1860	18.2	5	72
159664	SOIL	22/04/2005	594150	8149660	165	0.09	53.7	8	30	38	4.25	2.55	1.14	1.97	3.4	28.5	0.12	546	7.5	25.5	32	6.96	61.0	5.55	69.0	3800	25.1	17	111
159665	SOIL	22/04/2005	594100	8149660	193	0.05	49.3	8	25	53	4.35	2.70	1.06	2.42	3.6	26.7	0.19	192	7.0	23.0	49	6.10	65.4	5.10	69.0	3360	26.1	20	117
159666	SOIL	22/04/2005	594050	8149660	181	0.02	28.1	4	10	13	2.15	1.25	0.52	0.79	2.2	12.9	0.04	75	4.5	12.4	13	3.26	36.0	2.65	36.0	2200	11.7	8	86
159667	SOIL	22/04/2005	594000	8149660	165	0.03	33.6	6	25	20	2.30	1.30	0.66	1.09	2.2	14.5	0.04	281	4.5	15.6	16	4.02	39.4	3.35	32.5	1880	12.5	9	80
159668	SOIL	23/04/2005	600820	8149700	54	0.01	16.5	2	20	9	1.20	0.75	0.28	1.12	2.2	7.7	0.03	43	4.0	6.4	12	1.78	15.0	1.35	22.5	1580	6.1	9	76
159669	SOIL	23/04/2005	600820	8149650	50	0.02	16.0	-2	20	6	1.25	0.80	0.24	1.18	2.2	7.7	0.03	69	3.5	6.3	13	1.72	12.8	1.30	22.0	1540	6.8	7	86
159670	SOIL	23/04/2005	600820	8149600	46	0.01	13.3	-2	10	4	1.15	0.75	0.22	1.25	2.2	6.5	0.02	63	3.5	5.2	10	1.42	12.4	1.10	20.0	1560	6.1	4	83
159671	SOIL	23/04/2005	600820	8149550	46	0.01	15.0	-2	10	12	1.15	0.75	0.24	1.10	2.2	7.2	0.03	40	4.0	5.5	17	1.62	12.2	1.20	20.5	1640	6.3	8	80
159672	SOIL	23/04/2005	600820	8149500	43	0.01	12.8	-2	20	5	1.05	0.65	0.22	1.20	2.4	6.1	0.03	45	4.0	4.8	9	1.38	12.2	1.05	20.5	1660	5.6	5	85
159673	SOIL	23/04/2005	600820	8149450	40	0.01	12.2	-2	20	8	1.05	0.60	0.20	1.28	2.2	6.1	0.02	54	4.0	5.1	9	1.34	10.4	1.05	18.5	1640	5.6	6	90
159674	SOIL	23/04/2005	600820	8149400	41	0.01	13.1	-2	20	5	1.10	0.65	0.22	1.20	2.4	6.3	0.03	52	4.0	5.2	8	1.40	10.2	1.10	18.5	1660	5.6	5	85
159675	SOIL	23/04/2005	600820	8149350	41	0.02	15.3	2	20	9	1.35	0.90	0.28	1.29	2.8	7.2	0.03	49	4.5	5.9	17	1.66	12.2	1.30	20.0	1960	7.2	8	100
159676	SOIL	23/04/2005	600820	8149300	45	0.01	17.1	-2	25	5	1.50	0.95	0.34	1.54	3.0	7.8	0.03	66	5.0	6.6	10	1.82	14.0	1.45	21.0	2160	8.1	5	111
159677	SOIL	23/04/2005	601350	8148650	87	0.02	32.2	2	15	5	2.20	1.25	0.54	1.32	2.8	13.4	0.04	62	5.0	11.7	9	3.18	29.2	2.65	54.5	1980	11.0	5	104
159678	SOIL	23/04/2005	601350	8148600	99	0.03	33.6	4	20	4	2.65	1.50	0.56	1.25	4.0	13.5	0.04	113	5.5	12.1	10	3.26	29.8	2.75	58.5	2080	12.0	6	136
159679	SOIL	23/04/2005	601350	8148550	108	0.02	34.5	4	15	5	2.40	1.35	0.60	1.36	2.8	14.1	0.04	146	5.0	13.0	9	3.50	29.8	2.95	45.5	1920	11.2	6	103
159680	SOIL	23/04/2005	601350	8148500	128	0.03	24.3	2	10	4	1.65	0.95	0.42	0.84	2.2	9.9	0.03	95	3.5	9.4	9	2.50	25.8	2.05	47.5	1540	7.8	6	84
159681	SOIL	23/04/2005	601350	8148450	115	0.02	24.2	2	10	5	1.65	0.95	0.42	1.01	2.4	10.6	0.03	79	4.0	9.3	8	2.52	23.8	2.00	51.0	1620	8.1	7	92
159682	SOIL	23/04/2005	601350	8148400	120	0.02	32.5	-2	15	4	2.10	1.25	0.48	1.07	3.8	14.0	0.03	91	5.0	11.8	8	3.36	25.8	2.45	73.0	1780	10.7	6	131
159683	SOIL	23/04/2005	601350	8148350	93	0.04	29.8	-2	15	5	1.85	1.05	0.44	1.51	3.0	14.0	0.04	144	3.5	11.2	8	3.10	17.8	2.35	61.0	1360	9.3	9	107
159684	SOIL	23/04/2005	595474	8146750	50	0.01	8.4	-2	10	3	0.55	0.30	0.10	0.50	1.2	4.3	-0.01	43	1.0	3.3	5	0.92	3.0	0.70	13.0	400	2.8	2	42
159685	SOIL	23/04/2005	595474	8146700	120	0.03	8.0	-2	-5	4	0.85	0.50	0.12	0.64	2.0	4.2	0.01	104	1.5	3.2	5	0.90	13.4	0.70	18.5	720	4.7	3	75
159686	SOIL	23/04/2005	595474	8146650	104	0.02	10.2	-2	-5	4	1.05	0.65	0.16	0.58	2.6	5.2	0.01	74	2.0	4.2	5	1.12	10.8	0.85	20.5	800	5.6	3	98
159687	SOIL	23/04/2005	595474	8146600	84	0.02	13.0	-2	5	5	1.15	0.75	0.22	0.89	2.6	6.8	0.01	58	2.5	5.1	5	1.44	10.2	1.15	21.0	1080	6.2	3	95
159688	SOIL	23/04/2005	595474	8146550	69	0.01	11.3	-2	10	4	1.50	1.00	0.22	1.13	4.0	5.8	0.02	82	3.0	4.8	4	1.26	6.8	1.15	18.5	1060	8.3	3	163
159689	SOIL	24/04/2005	596800	8142020	262	0.06	57.4	28	35	22	6.75	3.65	1.68	2.85	4.0	26.0	0.16	167	7.0	29.7	59	7.22	56.4	7.45	47.5	3340	35.6	39	120
159690	SOIL	24/04/2005	596750	8142020	185	0.06	40.3	28	30	11	3.75	2.25	0.82	2.37	3.0	17.2	0.12	250	6.0	16.3	38	4.28	44.2	3.70	40.0	2820	19.2	27	112
159691	SOIL	24/04/2005	596700	8142020	180	0.02	44.9	18	15	9	5.20	2.75	1.26	1.77	3.6	19.9	0.10	141	5.0	22.0	24	5.40	35.6	5.35	31.5	2460	25.4	20	104
159692	SOIL	24/04/2005	596650	8142020	188	0.03	36.8	14	20	9	4.00	2.20	1.00	1.43	2.8	16.2	0.09	138	5.5	17.6	19	4.32	33.4	4.15	33.0	2280	19.5	20	102
159693	SOIL	24/04/2005	596600	8142020	192	0.07	45.7	30	25	11	4.65	2.55	1.22	1.93	2.6	18.7	0.10	220	5.5	21.4	30	5.24	31.2	5.15	38.5	2560	22.5	28	149
159694	SOIL	24/04/2005	596550	8142020	138	0.04	49.6	24	35	13	4.90	2.70	1.28	2.76	3.0	22.9	0.15	100	7.0	24.3	44	6.04	30.0	5.55	34.0	3200	24.3	38	111
159695	SOIL	24/04/2005	596500	8142020	160	0.04	48.0	20	25	9	5.05	2.75	1.24	1.61	2.8	21.1	0.07	130	5.5	22.2	26	5.52	24.0	5.35	31.5	2600	25.7	19	103
159696	SOIL	24/04/2005	596450	8142020	158	0.06	57.3	24	35	15	5.90	3.20	1.40	2.78	3.0	24.7	0.10	90	7.0	25.9	39	6.50	32.6	5.95	43.5	3560	29.9	27	114
159697	SOIL	24/04/2005	596400	8142020	159	0.04	66.6	14	35	13	6.25	3.45	1.60	2.55	3.0	27.6	0.10	86	7.0	28.8	27	7.34	25.0	6.95	40.5	3480	31.1	22	107
159698	SOIL	24/04/2005	596350	8142020	135	0.02	68.7	8	30	13	5.95	3.25	1.46	2.42	3.0	26.9	0.07	79	7.0	28.9	25	7.32	27.4	6.60	39.5	3660	30.7	18	116
159701	SOIL	22/04/2005	595200	8149500	159	0.04	22.3	4	20	7	1.85	1.05	0.40	1.13	2.4	10.2	0.07	147	3.0	9.4	9	2.50	28.4	1.90	29.5	1280	9.3	8	87
159702	SOIL	22/04/2005	595249	8149498	210	0.06	42.1	6	25	11	2.80	1.50	0.74	1.87	2.6	19.2	0.11	192	5.0	17.8	11	4.72	47.2	3.70	42.0	1940	14.8	8	98
159703	SOIL	22/04/2005	595299	8149500	186	0.05	37.5	4	20	12	2.55	1.50	0.64	1.42	2.6	17.6	0.08	164	5.5	16.2	9	4.32	56.4	3.50	40.0	2180	12.7	7	94
159704	SOIL	22/04/2005																											

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Sampno	Type	Date	EASTING WGS 84	NORTHING WGS 84	Ba ppm	Ca %	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe %	Hf ppm	La ppm	Mg %	Mn ppm	Nb ppm	Nd ppm	Ni ppm	Pr ppm	Rb ppm	Sm ppm	Sr ppm	Ti ppm	Y ppm	Zn ppm	Zr ppm
159730	SOIL	23/04/2005	595451	8151750	140	0.03	33.2	6	25	8	2.00	1.10	0.52	2.96	2.6	16.0	0.05	220	5.0	12.8	16	3.56	38.8	2.65	31.5	2260	10.1	9	84
159731	SOIL	23/04/2005	595498	8151750	145	0.04	39.6	6	30	11	2.50	1.40	0.66	3.26	3.4	19.2	0.07	363	5.5	15.8	15	4.28	43.4	3.30	38.0	2760	12.3	12	105
159732	SOIL	23/04/2005	595549	8151752	162	0.08	64.7	8	35	15	3.45	1.90	0.96	3.98	3.6	32.8	0.11	393	5.5	24.8	24	7.04	56.0	4.85	58.0	3980	16.8	12	142
159733	SOIL	23/04/2005	595700	8150400	168	0.12	45.8	20	25	13	3.15	1.85	0.72	2.32	2.8	20.6	0.07	272	5.5	18.4	21	4.84	41.6	3.95	62.0	2140	16.7	5	108
159734	SOIL	23/04/2005	595650	8150400	140	0.03	53.3	6	30	9	4.10	2.35	0.74	2.79	5.0	24.2	0.06	157	5.5	19.6	11	5.30	36.6	4.00	49.0	2380	21.2	6	183
159735	SOIL	23/04/2005	595588	8150385	248	0.04	75.5	8	35	11	5.45	3.20	1.04	2.45	4.8	29.7	0.13	143	7.0	25.8	16	7.08	71.4	5.25	67.0	2320	30.3	12	148
159736	SOIL	23/04/2005	595553	8150402	188	0.06	132.0	80	35	14	5.25	3.10	1.14	3.77	3.8	27.6	0.10	706	6.0	25.3	27	6.50	75.6	5.60	64.0	2800	28.5	20	132
159737	SOIL	23/04/2005	595506	8150401	174	0.05	54.1	30	20	36	3.75	2.20	0.82	1.68	2.8	20.3	0.07	422	5.0	18.3	17	4.86	59.2	3.95	50.5	2440	19.7	17	103
159738	SOIL	23/04/2005	595450	8150401	182	0.03	67.2	24	25	21	4.75	2.65	1.22	2.01	3.0	26.8	0.07	453	6.0	26.7	19	7.08	72.6	5.90	50.0	2960	26.5	17	112
159739	SOIL	23/04/2005	595403	8150401	182	0.06	55.8	10	35	33	3.80	2.20	1.00	3.41	3.4	27.2	0.08	469	6.0	24.0	19	6.52	65.0	5.00	53.0	3040	20.0	19	121
159740	SOIL	23/04/2005	595346	8150400	161	0.05	38.1	4	15	28	2.55	1.40	0.62	1.63	2.4	16.1	0.04	151	4.0	15.0	10	4.00	36.8	3.05	40.5	2020	12.1	13	93
159741	SOIL	24/04/2005	597450	8140400	157	0.04	92.0	20	40	22	7.15	4.15	1.72	2.80	3.6	39.6	0.08	169	9.0	39.7	35	10.80	46.8	7.90	81.0	4160	38.2	19	123
159742	SOIL	24/04/2005	597400	8140400	146	0.05	69.6	12	35	13	6.35	3.65	1.28	2.57	3.0	31.6	0.08	143	7.5	29.3	30	7.82	36.6	5.85	56.0	3360	35.8	18	96
159743	SOIL	24/04/2005	597350	8140400	155	0.05	71.6	14	45	15	7.55	4.40	1.44	3.10	3.4	30.9	0.10	106	8.0	29.4	37	7.72	37.0	6.45	52.5	3660	46.0	24	110
159744	SOIL	24/04/2005	597299	8140402	205	0.06	71.3	20	40	14	8.05	4.85	1.54	2.72	3.4	31.1	0.10	231	8.0	31.1	35	7.90	38.0	6.70	54.0	3580	51.4	23	117
159745	SOIL	24/04/2005	597251	8140399	161	0.03	48.1	18	35	11	5.70	3.45	1.04	2.24	2.8	21.3	0.10	138	5.5	20.8	33	5.26	33.2	4.50	41.0	2820	35.2	21	104
159746	SOIL	24/04/2005	597201	8140399	207	0.03	46.2	14	30	15	6.90	4.10	1.10	1.80	2.8	21.4	0.11	115	5.5	20.4	27	5.24	30.6	4.50	38.5	2480	43.1	23	98
159747	SOIL	24/04/2005	597150	8140399	188	0.04	40.5	24	25	17	5.70	3.55	1.00	1.77	2.4	18.3	0.09	232	5.0	18.4	29	4.72	34.4	4.15	36.0	2380	35.1	23	97
159748	SOIL	24/04/2005	597100	8140399	164	0.03	42.8	12	20	14	6.25	3.65	1.04	1.52	2.4	21.6	0.06	162	4.5	20.2	21	5.20	34.8	4.55	32.0	2340	41.0	23	85
159749	SOIL	24/04/2005	597052	8140400	194	0.03	50.4	32	40	16	7.80	4.50	1.34	2.86	3.0	24.3	0.16	161	6.0	23.2	52	6.00	45.8	5.45	40.5	3040	49.8	34	98
159750	SOIL	24/04/2005	596850	8140401	136	0.05	46.6	12	30	15	5.05	3.00	0.96	2.20	2.6	21.6	0.07	244	5.5	19.9	29	5.16	36.0	4.35	47.5	2800	33.1	20	91
159751	SOIL	24/04/2005	596801	8140400	160	0.07	43.2	20	25	16	4.25	2.60	0.94	1.90	2.6	19.7	0.08	448	5.5	18.8	29	4.86	43.0	4.15	42.0	2620	26.7	23	98
159752	SOIL	24/04/2005	596751	8140401	178	0.05	41.2	20	25	13	4.70	3.15	0.88	1.70	2.6	18.0	0.08	159	5.5	17.2	28	4.44	34.8	3.90	37.0	2480	30.6	19	95
159753	SOIL	24/04/2005	596701	8140411	177	0.06	55.2	14	25	11	5.80	3.40	1.12	1.98	2.8	24.0	0.07	179	5.5	22.7	26	5.70	34.4	5.00	45.0	2660	32.6	16	94
159754	SOIL	24/04/2005	596657	8140399	171	0.05	47.7	14	30	12	5.00	3.00	0.94	1.99	3.0	22.4	0.08	158	6.0	20.1	28	5.34	36.0	4.30	44.0	2840	32.6	21	98
159755	SOIL	24/04/2005	596603	8140401	176	0.04	47.0	14	25	12	5.80	3.90	0.96	1.61	2.8	20.6	0.07	159	5.5	20.4	24	5.20	34.2	4.40	38.5	2400	36.3	18	97
159756	SOIL	24/04/2005	596553	8140399	232	0.07	39.5	28	30	12	5.55	3.30	1.08	1.90	2.6	20.4	0.16	363	5.5	20.5	35	5.06	43.0	4.75	36.5	2360	36.7	30	89
159757	SOIL	24/04/2005	596505	8140403	160	0.05	37.2	14	25	9	5.10	3.10	0.84	1.67	2.6	17.9	0.08	198	5.0	16.2	22	4.18	33.8	3.70	38.0	2420	34.0	19	93
159758	SOIL	24/04/2005	591877	8141598	170	0.06	32.6	2	15	7	1.40	0.80	0.50	0.81	2.0	16.0	0.03	76	4.0	14.6	8	3.76	22.8	2.80	39.0	1680	6.5	5	77
159759	SOIL	24/04/2005	591870	8141550	119	0.02	29.8	-2	15	9	1.45	0.80	0.44	0.94	2.2	14.5	0.03	91	4.0	12.7	10	3.44	17.0	2.40	25.5	1820	7.2	8	87
159760	SOIL	24/04/2005	591867	8141499	158	0.02	36.9	2	5	8	2.05	1.15	0.54	0.70	2.4	15.2	0.03	121	5.5	14.8	7	3.96	28.2	2.85	28.5	2220	10.4	6	92
159761	SOIL	24/04/2005	591870	8141447	157	0.04	31.1	4	10	11	1.75	1.10	0.42	0.67	2.6	13.7	0.03	154	4.5	11.7	9	3.34	27.2	2.40	30.5	2200	9.5	6	102
159762	SOIL	24/04/2005	591870	8141395	158	0.03	39.6	-2	20	8	1.70	1.05	0.50	1.00	2.6	19.3	0.03	150	5.0	15.1	7	4.40	29.8	2.65	34.0	2480	8.7	6	95
159763	SOIL	24/04/2005	591867	8141354	159	0.03	38.3	-2	15	5	1.35	0.80	0.46	0.69	2.2	19.0	0.03	81	4.0	15.1	7	4.28	26.4	2.65	31.0	1820	6.7	8	83
159765	SOIL	25/04/2005	596700	8146400	139	0.02	65.8	6	40	13	4.40	2.30	1.26	2.80	4.0	32.6	0.08	70	7.5	29.7	21	7.86	53.4	6.30	48.0	4000	22.1	13	136
159766	SOIL	25/04/2005	596650	8146402	136	0.02	57.7	6	35	11	4.00	2.20	1.06	2.42	3.6	27.3	0.07	65	6.5	24.2	19	6.46	44.6	5.05	42.0	3460	18.8	10	138
159767	SOIL	25/04/2005	596600	8146401	123	0.02	39.9	6	30	9	2.40	1.40	0.68	1.96	2.8	18.6	0.06	62	6.0	15.8	18	4.36	44.2	3.35	38.5	3100	12.2	10	117
159768	SOIL	25/04/2005	596576	8146400	120	0.02	41.7	6	25	11	2.45	1.55	0.68	1.86	3.0	18.2	0.07	60	6.0	16.3	18	4.36	41.8	3.35	38.5	3140	11.9	10	123
159769	SOIL	25/04/2005	596550	8146397	113	0.02	34.5	6	15	8	2.10	1.25	0.54	1.66	2.6	15.0	0.05	89	5.0	12.9	15	3.44	33.8	2.65	33.0	2580	9.7	9	116
159770	SOIL	25/04/2005	596525	8146399	127	0.02	39.5	4	25	8	2.20	1.30	0.60	1.67	2.6	17.2	0.06	57	5.5	14.3	14	4.02	37.0	2.95	35.5	2760	10.9	9	134
159771	SOIL	25/04/2005	596499	8146399	120	0.02	25.5	4	20	6	1.60	0.95	0.42	1.36	2.2	12.3	0.05	49	5.5	10.1	12	2.72	34.2	2.00	32.0	2180	8.0	7	92
159772	SOIL	25/04/2005	596476	8146399	146	0.03	28.1	4	10	5	1.85	1.05	0.54	0.70	1.6	12.9	0.04	107	5.5	11.9	10	3.14	28.4	2.65	31.5	1500	8.7	6	70
159773	SOIL	25/04/2005	596449	8146399	166	0.05	41.2	6	15	7	2.50	1.40	0.80	1.28	2.0	17.6	0.06	181	5.0	16.4	12	4.40	43.8	3.65	45.0	2120	12.0	7	76
159774	SOIL	25/04/2005	596425	8146400	171	0.05	51.0	8	25	9	2.85	1.65	0.86	1.72	2.8	22.4	0.07	249	9.5	19.5	17	5.22	55.0	4.10	46.0	2980	13.2	9	98
159775	SOIL	25/04/2005	596375	8146401	117	0.02	31.1	6	20	8	1.75	1.00	0.44	2.13	2.6	13.4	0.05	268	5.0										

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Sampno	Type	Date	EASTING WGS 84	NORTHING WGS 84	Ba ppm	Ca %	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe %	Hf ppm	La ppm	Mg %	Mn ppm	Nb ppm	Nd ppm	Ni ppm	Pr ppm	Rb ppm	Sm ppm	Sr ppm	Ti ppm	Y ppm	Zn ppm	Zr ppm
162506	SOIL	24/04/2005	596550	8142470	152	0.03	47.4	14	30	12	4.05	2.25	1.16	2.45	2.6	20.6	0.10	105	5.5	21.3	28	5.50	36.6	4.90	40.0	2780	20.1	18	105
162507	SOIL	24/04/2005	596500	8142470	197	0.04	35.8	4	25	7	2.80	1.45	0.80	1.42	2.2	15.1	0.12	66	4.0	15.7	14	3.98	23.6	3.50	30.0	2000	13.4	12	83
162508	SOIL	24/04/2005	596450	8142470	145	0.02	26.1	4	15	7	2.10	1.25	0.46	1.39	2.4	12.6	0.09	67	4.0	10.6	15	2.90	27.6	2.20	27.0	1860	10.8	11	86
162509	SOIL	24/04/2005	596400	8142470	139	0.02	23.0	4	15	6	2.00	1.15	0.40	1.30	2.8	11.4	0.07	75	4.0	9.5	12	2.58	23.6	2.00	26.5	1940	10.0	10	113
162510	SOIL	24/04/2005	596800	8143430	111	0.02	27.9	2	10	4	1.50	0.85	0.38	0.97	2.2	14.6	0.03	53	3.5	10.2	6	2.98	17.0	1.95	34.5	1800	7.5	7	87
162511	SOIL	24/04/2005	596750	8143430	125	0.02	35.4	2	15	5	1.60	0.90	0.44	1.23	2.4	19.1	0.04	49	4.5	12.3	8	3.64	19.2	2.30	46.5	2040	7.4	6	87
162512	SOIL	24/04/2005	596700	8143430	145	0.02	43.5	-2	15	5	1.80	0.90	0.56	1.05	2.0	23.3	0.04	54	3.5	15.2	4	4.60	17.2	2.80	56.0	1660	7.6	6	67
162513	SOIL	24/04/2005	596650	8143430	177	0.02	58.9	4	30	8	2.40	1.10	0.74	1.65	2.4	30.5	0.05	62	5.0	20.8	9	6.20	21.4	3.80	76.0	2420	9.9	10	81
162514	SOIL	24/04/2005	596625	8143430	216	0.04	87.3	8	30	12	3.80	1.85	1.28	2.07	2.6	40.5	0.07	102	6.5	32.8	16	9.24	27.8	6.35	92.0	3200	18.2	9	105
162515	SOIL	24/04/2005	596600	8143430	181	0.04	87.1	10	30	13	4.70	2.40	1.46	2.15	2.8	41.3	0.08	142	7.5	34.3	19	9.80	30.0	6.95	78.0	3500	22.4	11	114
162516	SOIL	24/04/2005	596550	8143430	172	0.05	60.8	8	25	19	4.20	2.25	1.20	1.50	2.6	30.8	0.06	159	6.0	29.1	18	7.80	29.2	5.90	62.5	3040	20.9	10	108
162517	SOIL	24/04/2005	596500	8143430	160	0.05	70.4	8	25	15	5.00	2.70	1.50	1.39	2.6	34.5	0.06	148	7.5	33.2	21	9.08	33.6	6.80	73.5	3560	24.8	10	113
162518	SOIL	24/04/2005	596450	8143430	171	0.02	83.8	10	35	14	5.55	2.90	1.68	1.97	3.4	39.7	0.07	78	8.5	38.9	24	10.50	35.4	8.15	80.5	4300	27.0	11	134
162519	SOIL	24/04/2005	596400	8143430	126	0.02	55.9	8	35	11	3.40	1.80	1.08	1.37	2.8	25.3	0.06	51	6.0	25.7	21	6.74	30.0	5.30	58.0	3140	15.5	9	108
162520	SOIL	24/04/2005	596800	8143883	119	0.02	31.3	4	10	5	1.75	0.85	0.48	0.71	1.6	13.8	0.03	96	3.5	11.0	9	3.12	23.0	2.40	40.0	1840	7.6	5	64
162521	SOIL	24/04/2005	596750	8143883	131	0.03	34.4	4	15	6	1.95	1.20	0.58	0.79	2.0	15.4	0.03	116	4.0	13.5	10	3.64	24.8	2.80	42.5	1980	9.4	13	75
162522	SOIL	24/04/2005	596700	8143883	136	0.03	47.8	4	15	7	2.65	1.40	0.86	0.94	2.2	22.5	0.04	75	4.5	19.3	10	5.24	24.2	4.05	50.0	2120	11.6	6	75
162523	SOIL	24/04/2005	596650	8143883	145	0.03	56.4	4	25	9	3.40	1.75	1.04	1.38	2.6	28.3	0.05	55	5.5	24.2	17	6.52	29.6	5.10	62.5	2840	14.8	8	103
162524	SOIL	24/04/2005	596600	8143883	161	0.02	67.1	6	30	11	3.60	1.70	1.16	1.74	2.6	32.1	0.07	77	6.0	26.4	18	7.34	35.4	5.45	67.0	3140	16.3	11	100
162525	SOIL	24/04/2005	596550	8143883	164	0.02	65.7	4	30	11	3.45	1.90	1.14	1.56	2.4	32.0	0.07	58	6.0	27.1	17	7.54	33.6	5.60	66.0	3140	16.2	15	97
162526	SOIL	24/04/2005	596500	8143883	184	0.07	78.5	8	30	13	4.05	2.00	1.22	1.77	2.6	37.3	0.07	164	6.5	30.5	20	8.62	45.8	6.05	84.0	3440	18.0	11	105
162527	SOIL	25/04/2005	596900	8142200	170	0.02	31.6	6	20	7	2.80	1.40	0.70	1.50	2.2	14.5	0.11	72	4.0	15.2	17	3.82	34.0	3.50	29.5	1920	13.5	19	90
162528	SOIL	25/04/2005	596850	8142200	184	0.01	35.2	6	20	8	3.80	1.80	0.98	1.33	2.2	15.1	0.08	54	3.5	18.0	19	4.32	25.6	4.35	28.5	1860	16.6	18	77
162529	SOIL	25/04/2005	596800	8142200	169	0.03	37.2	10	30	9	3.05	1.75	0.84	2.03	2.6	16.9	0.13	86	5.5	16.3	27	4.42	35.2	3.65	41.0	2240	15.6	26	94
162530	SOIL	25/04/2005	596750	8142200	139	0.02	25.6	2	20	5	2.45	1.30	0.58	1.36	2.2	11.8	0.07	91	3.5	12.4	16	3.10	27.8	2.75	29.5	1800	12.1	18	84
162531	SOIL	25/04/2005	596700	8142200	287	0.02	70.0	52	40	14	11.40	5.70	3.04	3.00	2.8	27.1	0.31	209	5.5	42.9	59	9.04	34.4	11.90	39.5	2840	51.7	69	121
162532	SOIL	25/04/2005	596650	8142200	481	0.07	52.4	48	35	15	12.40	6.95	2.72	2.64	2.8	27.6	0.26	233	5.5	39.3	54	8.56	33.4	10.40	39.0	2860	60.4	50	108
162533	SOIL	25/04/2005	596600	8142200	130	0.04	36.6	8	25	8	3.65	1.85	0.90	1.56	2.4	16.3	0.07	80	4.5	17.9	16	4.52	20.6	4.35	27.0	2280	17.7	20	94
162534	SOIL	25/04/2005	596550	8142200	149	0.04	40.6	4	25	8	3.50	1.75	1.06	1.49	2.4	17.3	0.06	75	4.5	20.1	15	4.96	18.4	4.90	28.0	2260	15.9	15	84
162535	SOIL	25/04/2005	596500	8142200	162	0.05	50.5	8	30	12	4.25	2.30	1.38	2.06	2.6	21.5	0.09	72	5.5	26.1	20	6.24	21.8	6.05	34.0	2560	19.6	17	96
162536	SOIL	25/04/2005	596900	8142650	94	0.03	16.9	6	10	4	1.50	0.90	0.32	0.78	1.8	8.0	0.03	99	3.0	7.1	11	1.94	18.4	1.70	25.0	1440	7.6	6	71
162537	SOIL	25/04/2005	596850	8142650	128	0.03	25.4	12	15	5	2.55	1.45	0.60	0.94	2.2	10.8	0.04	103	3.0	12.1	12	2.96	20.0	2.80	28.5	1620	13.1	15	90
162538	SOIL	25/04/2005	596800	8142650	131	0.02	36.9	32	25	8	4.20	2.25	1.08	1.73	2.6	17.0	0.08	169	5.0	18.4	23	4.50	31.2	4.55	31.5	2100	20.7	19	91
162539	SOIL	25/04/2005	596750	8142650	135	0.02	26.9	12	20	7	2.50	1.40	0.58	1.25	2.0	11.9	0.06	83	3.5	12.7	15	3.22	23.4	2.75	26.0	1660	11.7	11	79
162540	SOIL	25/04/2005	596700	8142650	129	0.03	22.8	10	20	6	1.80	0.95	0.42	1.05	2.4	10.1	0.06	89	3.5	9.8	11	2.54	25.0	2.05	27.5	1600	9.6	10	80
162541	SOIL	25/04/2005	596650	8142650	123	0.02	25.6	8	15	6	2.25	1.05	0.54	1.13	2.2	11.5	0.04	85	3.5	11.6	12	2.94	25.0	2.55	26.0	1660	10.7	11	92
162542	SOIL	25/04/2005	596600	8142650	128	0.02	26.9	8	20	7	2.30	1.30	0.50	1.29	2.4	12.3	0.06	64	4.0	10.9	17	2.96	22.6	2.50	25.0	1860	10.7	11	86
162543	SOIL	25/04/2005	596550	8142650	158	0.02	44.2	14	20	8	4.15	2.20	1.12	1.31	2.0	17.4	0.06	108	4.0	21.3	15	5.22	21.4	5.10	28.0	1960	18.8	11	75
162544	SOIL	25/04/2005	596500	8142650	172	0.02	50.7	10	25	8	4.35	2.30	1.14	1.67	2.4	19.3	0.08	72	5.0	22.0	16	5.50	23.8	5.40	29.5	2340	20.0	12	95
162545	SOIL	25/04/2005	596900	8143550	129	0.03	29.0	4	10	5	1.50	0.90	0.40	0.71	1.8	13.0	0.02	88	4.0	9.9	7	2.84	21.0	2.00	35.5	1760	7.6	6	72
162546	SOIL	25/04/2005	596850	8143550	120	0.02	23.6	12	15	5	1.45	0.85	0.38	0.70	1.8	10.4	0.02	259	3.0	8.5	10	2.42	22.4	1.90	31.0	1600	7.1	6	75
162547	SOIL	25/04/2005	596800	8143550	111	0.03	26.0	-2	15	4	1.30	0.75	0.36	0.88	1.8	12.8	0.02	116	3.0	9.5	6	2.80	14.4	1.85	39.5	1300	6.3	4	69
162548	SOIL	25/04/2005	596750	8143550	103	0.02	24.0	2	15	5	1.40	0.80	0.36	0.92	1.8	12.4	0.02	97	3.0	8.9	5	2.60	14.0	1.80	32.5	1380	6.7	6	67
162549	SOIL	25/04/2005	596700	8143550	138	0.02	44.8	2	15	5	1.75	0.85	0.56	0.84	1.8	22.8	0.02	65	3.5	15.7	6	4.80	18.2	2.85	55.0	1540	7.4	5	67
162550	SOIL	25/04/2005	596650	8143550	200	0.05	69.4	6	25	8	2.55	1.15	1.00	1.31	2.2	33.5	0.04	95	5.5	26.1	9	7.80	24.8	5.00	99.0	2400	11.		