

Orbit & Crackingstone Properties

Uranium City, SK

2011 Sampling Program

TABLE - 1 - Heavy Rare Earth Elements – (HREE) - Total Digestion

Sample Number	Int m	Europium Eu ppm	Gallium Ga ppm	Gadolinium Gd ppm	Lutetium Lu ppm	Terbium Tb ppm	Dysprosium Dy ppm	Holmium Ho ppm	Erbium Er ppm	Thulium Tm ppm	Ytterbium Yb ppm	Yttrium Y ppm	Total HREE ppm
Orbit Lake													
1085501	1.0	1.83	5.99	6.4		0.95	5.44	1.04	2.68		1.81	26.7	52.8
1085502	0.75	1.52	3.37	2.9		0.4	2.23	0.41	1.06		0.66	10.2	22.75
1085503	1.0	1.77	3.72	6.6		0.91	5.45	0.96	2.5		1.47	23.2	46.58
1085504	1.0	1.4	1.77	4.8		0.69	4.07	0.74	1.87		1.28	16.1	32.72
1085505	1.0	1.65	2.32	5.1		0.8	4.97	0.99	2.9		2.22	23.2	44.15
Old Trench													
1085525	Grab	1.52	3.65	11.6		2.35	14.6	2.87	7.94		5.15	60.6	110.3
Spot Lake													
1085506	1.1	2.63	5.28	8.8		0.8	3.79	0.68	1.67		1.2	24.2	49.05
1085507	0.5	0.96	3.45	1.6		0.15	0.73	0.13	0.37		0.38	3.9	11.67
1085508		1.33	1.11	2.8		0.29	1.67	0.32	0.9		0.99	8.3	17.71
1085509	0.3	4.27	22.2	16.1		1.77	9.31	1.58	4.36		3.46	43.6	106.7
1085510	0.5	1.57	3.04	4.1		0.26	1.06	0.17	0.37		0.23	4.2	15.0
1085511	1.5	1.54	7.4	6.4		0.56	2.82	0.48	1.16		0.92	13.1	34.38
1085512	1.0	1.59	7.01	5.6		0.56	2.89	0.5	1.34		1.13	14.1	34.72
1085513	0.8	1.98	6.44	5.4		0.55	2.89	0.52	1.35		1.06	14.4	34.59
Orbit Bay													
Trench # 2													
1085514	0.75	1.6	8.13	21.1		3.09	16.6	3.25	8.53		5.84	81.3	149.4
1085515	1.1	0.83	7.13	3.5		0.52	2.81	0.52	1.52		1.28	13.3	31.41
1085516	1.1	1.07	8.05	3.8		0.6	3.18	0.61	1.74		1.48	15.1	35.63
Trench # 5													
1085517	0.7	0.85	6.62	3.7		0.56	3.11	0.68	2.09		2.34	16.4	36.35
1085518	1.1	1.01	4.29	4.3		0.46	2.16	0.43	1.09		1.12	10	24.86
1085519	1.1	0.45	2.63	4.5		0.91	5.49	1.1	3.18		2.97	24.8	46.03
1085524	0.6	1.38	1.76	1.4		0.24	1.38	0.29	0.91		0.94	7.2	14.56
Most SE Trench # 1													
1085520	1.2	1.21	4.21	2.4		0.28	1.55	0.27	0.75		0.69	7.4	18.76
1085521	0.8	0.31	5.33	2.6		0.45	2.6	0.51	1.51		1.41	12.2	26.92
1085522	1.0	0.37	4.56	3.6		0.71	3.99	0.83	2.27		1.97	17.5	35.8
1085523	0.7	0.99	8.26	2.6		0.25	1.3	0.23	0.63		0.87	7	22.13

Note: Lutetium and Thulium nor reported is assays from SRC

TABLE – 2 - Light Rare Earth Elements – (LREE) - Total Digestion

Sample Number	Int m	Cerium Ce ppm	Lanthanum La ppm	Hafnium Hf ppm	Praseodymium Pr ppm	Promethium Pm ppm	Neodymium Nd ppm	Niobium Nb ppm	Samarium Sm ppm	Rubidium Rb ppm	Tantalum Ta ppm	Thorium Th ppm	Zirconium Zr ppm	Total LREE ppm
Orbit Lake														
1085501	1.0	57	33	1.4	9.8		36	13	7.1	276	1.25	18.1	148	600.7
1085502	0.75	30	18	0.7	4.9		16.7	7.8	3.1	309	0.77	10.6	44	445.6
1085503	1.0	63	38	0.8	10.1		35.8	9.7	6.9	337	0.96	35.6	60	597.9
1085504	1.0	53	32	0.5	8.6		29.7	4.4	5.4	269	0.68	33.1	118	554.4
1085505	1.0	46	27	0.7	7.7		26.5	7.1	5.4	317	1.03	26.4	21	485.8
Old Trench														
1085525	grab	32	24	0.2	10.1		26.5	5.2	11.2	170	1.09	93.7	7	381.0
Spot Lake														
1085506	1.0	106	62	5	16.3		58.9	9	1.19	65.4	0.91	23.2	198	545.9
1085507	0.5	24	14	0.4	3.6		12.3	2.9	1.9	106	0.19	6.49	113	284.7
1085508 A	1.33	44	28	0.3	6.6		22.5	4.3	3.4	99.2	0.19	13.8	118	340.3
1085509	0.3	203	113	0.3	33.1		117	16.8	18.2	41.7	1.03	11.5	308	863.6
1085510	0.5	92	61	0.2	13.5		41.6	5	5	34.4	0.21	26.8	89	368.7
1085511	1.5	94	57	0.2	14.9		52.1	9.4	8.2	37.1	0.57	58.3	101	432.8
1085512	1.0	60	35	0.2	10.2		36.1	6.8	6.1	45	0.33	16.2	100	315.9
1085513	0.8	54	31	0.1	9.7		35.7	6	6.4	43.2	0.3	8.88	51	246.3
Orbit Bay														
Trench # 2														
1085514	0.75	60	29	1.9	12.8		57.9	0.34	19.2	312	2.9	425	48	969.0
1085515	1.1	33	20	6.4	4.7		17.1	0.16	3.8	239	1.72	133	191	649.9
1085516	1.1	22	14	0.6	4.2		16.3	26.2	4.4	174	1.72	169	332	767.4
Trench # 5														
1085517	0.7	32	19	1.4	4.9		17.8	27.1	4	216	1.94	127	324	775.1
1085518	1.1	54	30	0.6	8.5		30.2	12.4	5.3	132	0.9	81.7	326	681.6
1085519	1.1	1	5	0.2	1.7		8.1	7.9	4	36.8	0.5	617	467	1149.2
1085524	0.6	3	3	5.5	0.9		3.7	6.8	1.2	109	0.35	264	135	532.5
Most SE Trench #														
1085520	1.2	20	12	0.2	3.4		12.8	13.1	2.6	136	0.77	104	132	436.9
1085521	0.8	10	8	0.2	2.2		7.8	18	2.3	47.7	0.99	652	314	1063.2
1085522	1.0	2	4	0.4	1.5		7.5	16.8	3.4	66.1	0.92	459	474	1035.6
1085523	0.7	34	20	1.1	5.3		22.2	29.5	3.1	230	1.7	41.3	212	600.2

Note: Promethium not reported in assays from SRC

TABLE – 3 - Total Rare Earth Elements (LREE + HREE) – Total Digestion

<u>Sample Number</u>	<u>Interval m</u>	<u>Total HREE ppm</u>	<u>Total LREE ppm</u>	<u>Total REE</u>
Orbit Lake				
1085501	1.0	52.8	600.7	653.5
1085502	0.75	22.8	445.6	468.4
1085503	1.0	46.6	597.9	644.5
1085504	1.0	32.7	554.4	587.1
1085505	1.0	44.2	485.8	530.0
Old Trench				
1085525	grab	110.3	381.0	482.3
Spot Lake				
1085506	1.0	49.1	545.9	595.0
1085507	0.5	11.7	284.7	296.4
1085508 A	1.33	17.7	340.3	358.0
1085509	0.3	106.7	863.6	970.3
1085510	0.5	15.0	368.7	383.7
1085511	1.5	34.4	432.8	467.2
1085512	1.0	34.7	315.9	350.6
1085513	0.8	34.6	246.3	280.9
Orbit Bay				
Trench # 2				
1085514	0.75	149.4	969.0	1118.4
1085515	1.1	31.4	649.9	681.3
1085516	1.1	35.6	767.4	803.0
Trench # 5				
1085517	0.7	36.4	775.1	811.5
1085518	1.1	24.9	681.6	706.5
1085519	1.1	46.0	1149.2	1192.2
1085524	1.2	14.6	532.5	547.1
Most SE Trench # 1				
1085520	0.8	18.8	436.9	455.7
1085521	1.0	26.9	1063.2	1190.1
1085522	0.7	35.8	1035.6	1171.4
1085523	1.0	22.1	600.2	622.3

TABLE – 4 – Total Heavy Rare Earth Oxides (THRO) - Total Digestion

Sample Number	Interval m	Rock Type	Eu2O3	Ga2O3	Gd2O3	Tb2O3	Dy2O5	Ho2O3	Er2O3	Yb2O3	Y2O3	Total HREO
Orbit Lake												
1085501	1.0		2.12	8.05	7.38	1.09	6.25	1.19	3.60	2.06	33.9	65.6
1085502	0.75		1.76	4.53	3.34	0.46	2.56	0.47	1.42	0.75	12.9	28.2
1085503	1.0		2.05	5.0	7.61	1.05	6.26	1.10	3.36	1.67	29.4	54.5
1085504	1.0		1.62	2.38	5.53	1.51	4.67	0.85	2.42	1.46	20.4	40.8
1085505	1.0		1.91	3.12	12.26	0.92	5.71	1.13	3.90	2.53	29.4	60.9
Old Trench												
1085525	grab		1.76	4.91	13.37	2.70	16.76	3.29	10.7	5.87	76.9	136.3
Spot Lake												
1085506	1.0		3.05	7.1	10.15	0.92	4.35	0.78	2.24	1.37	30.7	60.7
1085507	0.5		1.11	4.91	1.84	0.17	0.84	0.15	0.50	0.43	4.9	14.9
1085508A	1.33		1.54	1.49	3.23	0.33	1.34	0.37	1.21	1.13	10.5	21.1
1085509	0.3		4.94	29.84	18.56	2.04	10.69	1.81	5.86	3.94	55.3	133.0
1085510	0.5		1.82	4.86	4.73	0.30	1.22	0.19	0.50	0.26	5.3	19.2
1085511	1.5		1.78	9.95	7.38	0.64	3.24	0.55	1.56	1.05	16.6	42.8
1085512	1.0		1.84	9.42	6.46	0.64	3.32	0.57	1.80	1.29	17.9	43.2
1085513	0.8		2.29	8.66	6.23	0.63	3.32	0.60	1.81	1.21	18.3	42.4
Orbit Bay												
Trench # 2												
1085514	0.75		1.85	10.93	24.33	3.56	19.06	3.72	11.5	6.65	103.2	184.8
1085515	1.1		0.96	9.58	4.04	0.64	3.23	0.60	2.04	1.46	16.9	39.5
1085516	1.1		1.24	10.82	4.38	0.69	3.65	0.70	2.34	1.69	19.2	44.7
Trench # 5												
1085517	0.7		0.98	8.90	4.27	0.64	1.96	0.78	2.81	2.66	20.8	43.8
1085518	1.1		1.17	5.77	4.96	0.53	2.48	0.49	1.46	1.27	12.7	30.8
1085519	1.1		0.52	3.52	5.19	1.05	6.30	1.26	4.27	3.38	31.5	57.0
1085524	1.2		1.60	2.37	1.61	0.28	1.58	0.33	1.22	1.07	9.1	19.2
Most SE Trench # 1												
1085520	0.8		1.40	5.66	2.77	0.32	1.78	0.31	1.0	0.79	9.4	23.4
1085521	1.0		0.36	7.16	3.0	0.52	2.98	0.58	2.03	1.61	15.5	33.3
1085522	0.7		0.43	6.13	4.15	0.82	4.58	0.95	3.05	2.34	22.2	44.7
1085523	1.0		1.15	11.1	3.0	0.29	1.49	0.26	0.85	0.99	8.9	28.0

TABLE – 5 – Total Light Rare Earth Oxides (LREO) – Total Digestion

Sample Number	Interval m	Rock Type	La2O3 ppm	Hf2O3 ppm	Pr2O3 ppm	Nd2O3 ppm	Nb2O3 ppm	Sm2O3 ppm	Ta2O3 ppm	ThO2 ppm	ZrO2 ppm	Total LREE Oxides ppm
Orbit Lake												
1085501	1.0		38.7	1.65	11.5	42.0	18.6	8.2	1.5	20.6	200.0	342.5
1085502	0.75		21.1	0.82	5.7	19.5	11.2	3.6	0.94	12.1	59.4	134.4
1085503	1.0		44.6	0.94	11.8	41.7	13.9	8.0	1.2	40.5	81.1	243.7
287	1.0		37.5	0.59	10.0	34.6	6.3	6.3	0.8	37.7	159.4	287
1085505	1.0		31.7	0.82	9.0	30.9	10.2	6.2	1.3	30.0	2.4	122.5
Old Trench												
1085525	grab		28.1	0.24	11.8	30.9	7.4	13.0	2.333	106.6	9.5	200.3
Spot Lake												
1085506	1.0		72.7	5.9	19.1	68.7	12.9	1.4	1.1	26.4	267.5	475.7
1085507	0.5		16.4	0.47	4.2	14.3	4.1	2.2	1.2	7.4	152.7	188.7
1085508 A	1.33		32.8	0.35	7.7	26.2	6.2	3.9	1.2	15.7	159.4	253.5
1085509	0.3		132.5	0.35	38.7	136.4	24.0	21.1	1.3	10.4	416.1	780.9
1085510	0.5		71.6	0.23	15.8	48.5	7.2	5.8	00.3	30.4	120.2	300.0
1085511	1.5		66.9	0.23	17.4	60.7	13.5	9.5	0.7	66.3	136.5	371.7
1085512	1.0		41.1	0.23	11.9	42.1	9.7	7.1	0.4	18.4	136.1	267
1085513	0.8		36.4	0.12	11.3	41.6	8.6	7.4	0.4	10.1	69.0	
Orbit Bay												
Trench # 2												
1085514	0.75		34.0	2.2	15.0	67.5	0.5	22.3	3.5	483.7	65.0	628.7
1085515	1.1		23.5	7.5	5.5	19.9	0.2	4.4	2.1	151.4	258.0	472.5
1085516	1.1		16.4	0.71	4.9	19.0	37.5	5.1	2.1	192.3	435.0	713.0
Trench # 5												
1085517	0.7		22.3	1.7	5.7	20.8	38.8	4.6	2.4	144.5	437.7	678.5
1085518	1.1		35.2	0.71	9.9	35.2	17.7	6.1	1.1	93.0	440.4	639.3
1085519	1.1		5.9	0.23	2.0	9.4	11.3	4.6	0.6	702.1	630.9	1367.0
1085524	1.2		3.5	6.5	1.2	4.3	9.7	1.4	0.4	300.4	182.4	509.8
Most SE Trench #												
1085520	0.8		14.1	0.23	4.0	14.9	18.7	3.0	0.9	118.4	178.3	352.5
1085521	1.0		9.4	0.23	2.6	9.1	25.8	2.6	1.2	742.0	424.2	1217.1
1085522	0.7		4.7	0.47	1.8	8.7	24.0	3.9	1.1	522.3	640.4	1207.4
1085523	1.0		23.5	1.3	6.2	25.9	42.2	3.6	2.1	47.0	286.4	438.2

TABLE – 6 – Total Heavy Rare Earth Oxides and Light Rare Earth Oxides (HREO and LREO) – Total Digestion

Sample Number	Interval m	Total HREO	Total LREE Oxides ppm	Total HREO + LRRO
Orbit Lake				
1085501	1.0	65.6	342.5	408.1
1085502	0.75	28.2	134.4	162.6
1085503	1.0	54.5	243.7	298.2
287	1.0	40.8	287	327.8
1085505	1.0	60.9	122.5	183.4
Old Trench				
1085525	grab	136.3	200.3	336.6
Spot Lake				
1085506	1.0	60.7	475.7	536.4
1085507	0.5	14.9	188.7	203.6
1085508 A	1.33	21.1	253.5	274.6
1085509	0.3	133.0	780.9	913.9
1085510	0.5	19.2	300.0	319.2
1085511	1.5	42.8	371.7	414.5
1085512	1.0	43.2	267	310.2
1085513	0.8	42.4		
Orbit Bay				
Trench # 2				
1085514	0.75	184.8	628.7	813.5
1085515	1.1	39.5	472.5	512.0
1085516	1.1	44.7	713.0	757.7
Trench # 5				
1085517	0.7	43.8	678.5	722.3
1085518	1.1	30.8	639.3	670.1
1085519	1.1	57.0	1367.0	1424.0
1085524	1.2	19.2	509.8	529.0
Most SE Trench #				
1085520	0.8	23.4	352.5	375.9
1085521	1.0	33.3	1217.1	1250.4
1085522	0.7	44.7	1207.4	1252.1
1085523	1.0	28.0	438.2	466.2

