

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