

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