

APPENDIX 1B
REE bulk chemical composition in ppm of selected ore, concentrate
and waste samples (ACME Lab.)

Element	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	ΣREE
W-15 rock	13.1	19.1	3.24	11.1	2.36	0.68	1.89	0.40	2.05	0.45	1.62	0.25	2.10	0.47	58.8
W-18 rock	79.2	115.6	11.8	27.6	2.52	0.52	1.40	0.26	1.30	0.26	0.72	0.12	0.79	0.11	242
W-25 rock	43.1	62.9	13.0	47.0	10.6	3.74	8.31	1.46	8.93	1.90	5.28	0.88	5.38	0.72	213
W-31 rock	31.2	45.6	7.67	26.0	5.45	1.80	4.11	0.86	5.90	1.42	5.11	0.81	5.72	0.89	142
W-31a rock	5.2	7.59	1.08	3.62	0.77	0.17	0.82	0.17	0.84	0.19	0.61	0.10	0.44	0.08	20.9
min	5.2	7.59	1.08	3.62	0.77	0.17	0.82	0.17	0.84	0.19	0.61	0.10	0.44	0.08	20.9
max.	79.2	116	13.0	47.0	10.6	3.74	8.31	1.46	8.93	1.90	5.28	0.88	5.72	0.89	242
average	34.4	50.2	7.36	23.1	4.34	1.38	3.31	0.63	3.80	0.84	2.67	0.43	2.89	0.45	136
W-36 con.	181	265	26.4	60.6	4.72	1.17	2.85	0.39	1.57	0.30	1.02	0.14	0.91	0.13	546
W-37 con.	315	460	39.6	92.9	6.89	1.43	3.98	0.44	1.76	0.26	0.90	0.15	0.83	0.14	924
W-39 waste	888	1300	96.8	229	19.8	4.91	16.2	1.34	7.12	1.15	4.19	0.58	4.04	0.51	2570
W-40 waste	903	1320	77.8	235	17.7	4.66	3.40	0.78	5.50	1.08	3.52	0.54	3.84	0.55	2570
W-44 waste	192	2800	189	505	34.6	8.70	0.31	0.99	7.31	1.46	4.71	0.71	5.21	0.65	5470
average	661	1087	121	323	24.0	6.09	6.63	1.04	6.64	1.23	4.14	0.61	4.36	0.57	3537