

		Light			REF's			2010		POPES HILL		ROCK SAMPLES				REE's							
Sample ID	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE + Y	Nb	Zr	LREE	HREE	TREE	%LREE	%HREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
553151	2506	3820	8930	986	3710	723	28.3	600	103	552	103	269	33.5	180	25.2	2.26	104	682	1.82	0.19	2.01	90.56%	9.44%
553152	654	5250	9720	947	3190	492	14.7	307	41.2	188	29.5	67	7.63	39.6	5.36	2.10	369	2041	1.96	0.07	2.03	96.55%	3.45%
553153	15660	37500	78000	8860	32600	6080	144	4670	703	3930	712	1720	202	1020	134	19.19	4250	878	16.30	1.32	17.63	92.49%	7.51%
553154	151	375	770	79	288	52.7	3.37	42.8	6.9	36.9	6.8	17.1	2.16	12.3	1.68	0.18	51	1801	0.16	0.01	0.17	92.33%	7.67%
553155	5708	17000	33900	3450	12100	2180	53.9	1690	276	1430	257	621	75.3	376	46.8	7.92	1750	4931	6.86	0.48	7.35	93.43%	6.57%
553156	46	388	715	68.6	231	31.9	3.07	18.2	2.4	11.9	2.1	5.5	0.73	4.5	0.6	0.15	23	1448	0.14	0.005	0.15	96.71%	3.29%
553157	48	168	319	30.8	107	17.8	1.65	13.4	2.1	11	2	4.9	0.63	3.4	0.45	0.07	22	292	0.06	0.004	0.07	94.20%	5.80%
553158	31	537	967	84.6	267	30.6	5.83	14.2	1.5	6.8	1.1	2.6	0.33	1.9	0.3	0.20	21	413	0.19	0.003	0.19	98.20%	1.80%
553159	55	213	416	41.6	146	24	3.63	15.5	2.1	11.2	2.1	6	0.92	6.8	1.32	0.09	12	3418	0.08	0.005	0.09	94.43%	5.57%
553160	22	203	315	27.7	87.9	11.9	2.6	7	0.9	4.7	0.9	2.6	0.39	2.8	0.53	0.07	56	2284	0.06	0.002	0.07	96.64%	3.36%
553161	38	445	806	74.2	237	33.3	2.34	16.5	2	9.6	1.6	3.7	0.45	2.5	0.36	0.17	11	369	0.16	0.004	0.16	97.61%	2.39%
553162	28	1190	2230	219	729	90.9	6.57	35.2	2.5	9.3	1.1	2	0.24	1.4	0.24	0.45	19	2310	0.45	0.01	0.45	98.70%	1.30%
553163	59	2680	4900	455	1450	175	10.3	69.7	6.6	23	2.8	5.5	0.62	3.3	0.49	0.98	8	3768	0.97	0.01	0.98	98.75%	1.25%
553164	999	11900	24500	2450	8360	1160	24.5	613	74.4	331	49.8	109	12.8	67.9	9	5.07	970	2456	4.84	0.13	4.97	97.40%	2.60%
553165	2770	15700	30200	2940	9840	1520	35.2	1010	142	730	123	302	37.3	209	29	6.56	1790	4340	6.02	0.26	6.28	95.83%	4.17%
553166	4053	18400	37200	3750	12800	2070	50.2	1440	208	1060	178	420	50.7	272	36.5	8.20	1660	2262	7.42	0.37	7.79	95.23%	4.77%
553167	2507	15800	30700	2980	9910	1510	36	970	137	684	114	277	35.5	196	28.1	6.59	2080	5616	6.09	0.25	6.34	96.09%	3.91%
553201	4265	15500	32400	3380	12000	2030	49.4	1470	219	1120	184	439	52.5	276	38.1	7.34	1550	1724	6.53	0.38	6.92	94.44%	5.56%
553202	4468	16600	34000	3510	12300	2100	52.9	1520	222	1160	194	464	56	295	39.4	7.70	1680	1412	6.85	0.40	7.25	94.48%	5.52%
553203	3125	48100	90800	9220	29900	3900	77.1	1980	236	1050	157	355	41.7	227	31.9	18.92	5880	4129	18.19	0.42	18.61	97.77%	2.23%
553204	706	10000	20500	2100	7320	1030	41.1	480	49.9	198	27.3	62.9	7.55	42.3	5.93	4.26	93	23300	4.10	0.09	4.19	97.81%	2.19%
553205	4938	20500	45300	4860	17300	2840	53.3	1910	278	1360	233	563	67.6	345	45.4	10.06	2470	1082	9.08	0.49	9.57	94.92%	5.08%
553206	43	1150	2080	179	517	56.2	3.84	23.3	2.5	12.1	1.9	4.9	0.61	3.6	0.57	0.41	54	2391	0.40	0.01	0.40	98.68%	1.32%
553207	254	4000	7500	679	2160	289	9.84	152	18	79.2	11.5	25	2.87	15.1	2.05	1.52	348	939	1.46	0.03	1.49	97.89%	2.11%
553208	250	14600	26900	2470	7630	830	22.4	283	23.5	77.9	8	14.8	1.62	8.2	1.15	5.31	68	8385	5.24	0.04	5.29	99.17%	0.83%
941427	7371	28100	68000	7640	28100	4850	10.3	3330	482	2320	387	891	99.4	471	59	15.22	3300	903	13.67	0.81	14.48	94.38%	5.62%
941428	1523	5400	9990	963	3260	531	17.3	397	59.3	325	58.2	144	17.7	97.4	13	2.28	440	689	2.01	0.11	2.13	94.69%	5.31%
941429	11790	17000	35900	3970	14400	2800	94	2480	410	2290	429	1120	137	735	95.2	9.37	570	286	7.41	0.78	8.19	90.48%	9.52%
941430	4596	20500	43300	4680	16400	2630	49.8	1770	242	1200	199	480	58	318	43.8	9.65	1280	6026	8.75	0.44	9.19	95.25%	4.75%
941431	276	17200	29900	2800	8390	825	46	218	20.7	73.6	9.6	20.9	2.35	12.6	1.73	5.98	4	2505	5.91	0.04	5.95	99.32%	0.68%
941432	21080	50000	97100	10800	38500	6980	213	5580	828	4670	875	2250	283	1400	175	24.07	911	604	20.34	1.63	21.97	92.59%	7.41%
941433	280	2890	5160	473	1430	156	6.63	63	8.6	50.2	10.1	29.7	4.25	25.8	4.16	1.06	10	1260	1.01	0.02	1.03	98.04%	1.96%
Average	3134	12597	25419	2661	9239	1502	40	1037	150	782	137	334	40	208	27	5.73	995	2964	5.14	0.28	5.42	95.78%	4.22%
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%