

Project: Shadow Mountain

Date: May 27, 2011

Assay result: REE & base metals

Type: Grab samples

Area: 54 sq. km, 5400 hectares

Aqua Regia Digest																		Fire Assay				
Element	Al %	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	La ppm	Li ppm	Mg %	Mn ppm	Ni ppm	P ppm	Rb ppm	Sr ppm	Th ppm	V ppm	Y ppm	Zn ppm	Au ppm	Pd ppm	Pt ppm	
Sample #																						
CMC1	1.47	80	25.8	255	61.1	4.12	30	29	1.29	206	41.3	769	98	17.6	29	110	22	51.4	.010	.002	<.005	
CMC2	2.23	55	17.1	397	31.4	4.06	23	51	1.38	333	26.1	96	275	27.7	12	152	8	94.6	.001	.002	<.005	
CMC3	3.65	54	5.9	114	26.4	2.27	24	58	1.86	590	18.4	294	103	137	11	45.0	19	35.1	.001	.003	<.005	
CMC4	1.58	42	18.8	262	38.6	3.49	17	37	0.94	203	28.0	98	131	26.2	11	90.7	7	70.8	.002	.001	<.005	
CMC5	2.46	62	19.5	188	11.4	4.46	22	50	2.80	634	59.8	1660	526	62.2	9	148	14	90.8	.001	.001	<.005	
CMC6	1.50	33	7.2	23.2	23.1	2.79	11	37	1.10	403	7.4	584	18	161	6	47.6	10	51.7	.001	.002	<.005	
CMC7	1.04	45	2.1	223	9.4	1.56	21	26	0.59	100	4.5	653	93	48.7	6	37.5	6	36.1	.002	.003	<.005	
CMC8	.72	89	9.3	72.2	12.7	4.70	20	2	0.39	441	<0.5	8310	<10	125	<5	63.4	49	93.6	.002	.003	<.005	
CMC9	1.07	75	4.5	178	6.6	2.34	23	9	0.50	232	8.7	621	19	31.7	8	36.3	13	36.9	.001	.002	<.005	
CMC10	.65	37	4.5	176	7.5	1.54	18	11	0.38	81	5.0	203	28	18.4	11	18.5	3	70.5	.001	.002	<.005	
CMC11	2.72	134	21.9	294	6.6	4.27	65	49	2.42	386	87.1	725	315	27.4	19	117	11	94.2	.002	.001	<.005	
CMC12	.52	17	3.0	98.7	4.5	0.98	9	10	0.27	44	5.3	260	13	16.0	<5	13.1	3	25.8	.001	.002	<.005	
CMC13	1.24	30	8.1	250	6.2	2.35	13	27	1.10	124	28.3	665	103	13.9	6	44.6	4	47.5	.001	.002	<.005	
CMC14	1.99	128	22.8	33.9	29.4	5.91	39	35	2.11	470	9.5	7200	142	225	5	156	38	137	.002	.002	<.005	
CMC15	1.18	49	3.0	74.9	6.1	2.95	18	30	1.46	240	4.5	149	23	46.0	13	19.9	15	10.4	.001	.001	<.005	
CMC16	.25	104	8.2	25.4	13.9	12.1	40	5	0.29	865	7.1	27	13	145	6	3.6	13	12.1	.005	.002	<.005	
CMC17	.99	86	11.9	174	12.7	2.49	40	20	0.71	106	16.8	1250	72	18.3	14	23.3	8	102	.001	.002	<.005	
CMC18	.65	172	8.4	29.6	2.7	6.27	72	16	0.75	808	7.9	148	25	162	7	14.8	15	10.9	.001	.002	<.005	
Avg.	1.44	71.7	11.2	159.4	17.2	3.81	28.0	27.9	1.13	348	20.3	1317	112	72.7	10.2	63.4	14.3	59.5	.002	.002	<.005	

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Assay Results: REE

Type: Grab samples

Method: Lanthanide Analysis – Lithium Borate Fusion

Element	Ce ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	La ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Th ppm	Tm ppm	U ppm	Y ppm	Yb ppm
Sample #																	
CMC11	187	4.13	1.77	1.01	6.80	0.65	1.0	0.16	50.3	14.9	8.96	0.80	12.5	0.21	.026	18.9	1.36
CMC14	227	9.32	4.24	4.41	15.9	1.51	97.6	0.45	149	26.4	20.2	1.79	1.77	0.52	0.52	37.5	3.80
CMC16	107	2.23	1.01	1.35	4.68	0.35	49.2	0.12	44.5	11.5	6.73	0.47	0.16	0.12	0.08	10.4	0.88
CMC18	196	3.00	1.30	1.56	6.48	0.46	101	0.16	70.9	19.8	9.74	0.65	2.24	0.18	0.38	12.5	1.16

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Method: Lithium Borate Fusion – Summation of Oxides

Element	Al2O3 %	BaO %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	SrO %	LO1 %	Total %
Sample #															
CMC8	10.8	0.086	7.15	0.030	21.8	1.04	3.37	0.336	3.18	1.72	45.8	3.16	0.109	<0.005	98.4