

Appendix 1: Rock chip Results.

Table 1: Table of Rock Chip Results -Summary and Light Rare Earths

Prospect	Sample_ID	Coordinates		Rare Earth Summary				LREO				
		Easting (m)	Northing (m)	Nb2O5	TREO	LREO	HREO	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3
				(%)	(%)	(%)	(%)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Jombo	JR011	524695	9508894	0.02	0.05	0.04	0.00	117.4	202.0	19.6	61.0	8.9
Jombo	JR012	524375	9509363	0.03	0.05	0.04	0.01	126.6	214.0	21.7	67.1	12.3
Jombo	JR013	524331	9509411	0.04	0.07	0.06	0.01	192.2	308.0	30.0	88.1	15.0
Jombo	JR014	524350	9509386	0.02	0.03	0.03	0.00	77.7	134.0	13.7	41.7	6.1
Jombo	JR015	524312	9509476	0.01	0.03	0.02	0.00	72.8	123.0	12.0	34.1	4.7
Jombo	JR016	523556	9509101	0.01	0.05	0.04	0.01	91.1	201.0	24.7	96.2	18.7
Jombo	JR017	523580	9509140	0.01	0.00	0.01	0.00	23.7	31.0	2.6	7.4	1.0
Jombo	JR018	523582	9509140	0.02	0.06	0.06	0.01	148.6	265.0	28.3	94.9	16.0
Nguluku	NR001	528742	9512141	0.03	0.11	0.10	0.02	220.5	464.0	54.2	194.0	36.3
Nguluku	NR002	528676	9512175	0.02	0.08	0.07	0.01	157.4	337.0	40.3	144.3	26.6
Nguluku	NR003	528609	9512204	0.02	0.10	0.08	0.01	197.3	394.0	45.7	162.3	26.9
Nguluku	NR004	528554	9512182	0.02	0.10	0.09	0.01	224.4	413.0	49.1	174.6	29.8
Nguluku	NR005	528676	9512252	0.03	0.11	0.10	0.02	225.5	464.0	55.8	201.7	35.3
Nguluku	NR006	528622	9512262	0.04	0.17	0.14	0.02	332.9	674.0	80.9	291.3	51.2
Kiruku	KR006	533004	9506310	0.08	0.71	0.57	0.13	1446.7	2666.0	313.8	1091.2	221.0
Kiruku	KR007	532992	9506324	0.13	0.29	0.19	0.10	551.6	880.0	91.3	295.5	65.1
Kiruku	KR008	532762	9506172	0.04	1.33	1.24	0.10	3485.6	6166.0	621.3	1828.0	250.0
Mrima	MR001	528765	9503272	0.05	0.28	0.28	0.01	1038.0	1317.0	106.7	265.0	26.1
Mrima	MR007	528765	9503272	0.04	0.23	0.20	0.03	352.0	974.0	113.9	471.1	105.3
Mrima	MR008	528786	9503272	0.01	0.05	0.04	0.01	96.0	184.0	22.5	83.3	16.5

Table 1: (Continued) Table of Rock Chip Results – Heavy Rare Earths, Yttrium and Radio nuclei

Prospect	Sample_ID	Coordinates		HREO									Y2O3	U	Th	TiO2
				Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3				
		Easting (m)	Northing (m)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Jombo	JR011	524695	9508894	2.5	6.6	0.9	5.2	0.8	2.7	0.3	2.0	0.3	28.0	4	10	0.73
Jombo	JR012	524375	9509363	3.7	9.8	1.5	7.9	1.4	3.7	0.5	2.8	0.5	42.0	2	8	1.55
Jombo	JR013	524331	9509411	4.0	10.9	1.7	9.8	1.7	5.2	0.7	4.6	0.7	58.0	3	16	2.22
Jombo	JR014	524350	9509386	2.3	5.6	0.8	4.4	0.8	2.3	0.3	2.0	0.3	23.0	1	3	1.23
Jombo	JR015	524312	9509476	1.4	4.0	0.6	3.0	0.6	1.6	0.3	1.9	0.3	19.0	3	10	0.50
Jombo	JR016	523556	9509101	6.0	15.6	2.0	9.7	1.7	3.9	0.4	2.1	0.4	48.0	1	5	3.77
Jombo	JR017	523580	9509140	0.0	0.7	0.1	0.5	0.0	0.4	0.0	0.4	0.1	3.0	2	4	0.30
Jombo	JR018	523582	9509140	5.3	13.6	1.8	9.1	1.6	4.1	0.6	3.2	0.5	48.0	3	10	2.75
Nguluku	NR001	528742	9512141	9.6	26.1	3.4	17.3	3.0	7.3	1.0	5.3	0.8	88.0	5	22	2.10
Nguluku	NR002	528676	9512175	6.9	18.8	2.5	13.0	2.3	5.0	0.7	4.1	0.6	62.0	4	17	1.43
Nguluku	NR003	528609	9512204	7.9	21.1	2.9	13.4	2.3	5.3	0.8	3.8	0.5	68.0	5	17	1.55
Nguluku	NR004	528554	9512182	8.5	23.2	3.0	15.9	2.7	6.9	0.8	4.6	0.7	78.0	4	20	1.48
Nguluku	NR005	528676	9512252	10.0	26.5	3.6	17.5	3.0	7.3	1.0	5.1	0.7	88.0	6	24	1.82
Nguluku	NR006	528622	9512262	14.3	38.1	5.2	25.5	4.2	10.2	1.4	7.4	1.1	122.0	8	32	2.47
Kiruku	KR006	533004	9506310	70.3	180.2	26.0	135.8	23.9	63.7	8.5	47.1	6.2	770.0	10	806	0.80
Kiruku	KR007	532992	9506324	23.1	77.9	16.2	107.8	21.1	54.7	7.1	35.5	4.4	676.0	9	185	1.28
Kiruku	KR008	532762	9506172	71.2	193.5	25.5	118.2	17.5	37.6	4.3	22.4	2.9	492.0	2	370	0.27
Mrima	MR001	528765	9503272	6.1	16.0	1.9	8.1	1.2	2.5	0.3	1.8	0.2	29.0	11	33	0.62
Mrima	MR007	528765	9503272	25.3	63.4	7.2	35.0	5.8	13.9	1.8	10.2	1.4	154.0	9	281	1.03
Mrima	MR008	528786	9503272	4.5	14.5	2.1	11.0	2.1	5.6	0.8	4.9	0.8	64.0	2	13	0.93

Notes to table:

1. Coordinate system UTM Zone 37S WGS84
2. Assay (apart from niobium) undertaken by Genalysis labs in Perth Western Australia by peroxide fusion sample dissolution followed by ICPMS
3. Niobium assays by (XRF) Ultratrace in Perth Western Australia

Table 2: Ratio of HREO and Yttrium against LREO as a percentage of TREO, weighted as number of samples in each location.

Prospect	No Rock Chips	LREO	HREO	La <sub>2</sub> O <sub>3</sub>	CeO <sub>2</sub>	Pr <sub>6</sub> O <sub>11</sub>	Nd <sub>2</sub> O <sub>3</sub>	Sm <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Dy <sub>2</sub> O <sub>3</sub>	Minor HREO's	Y <sub>2</sub> O <sub>3</sub>
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Jombo	8	86.47	13.53	24.07	41.85	4.32	13.89	2.34	0.71	0.27	1.40	3.53	7.62
Nguluku	6	86.06	13.94	20.14	40.72	4.83	17.32	3.06	0.85	0.31	1.52	3.76	7.50
Kiruku	3	85.67	14.33	23.52	41.66	4.40	13.79	2.30	0.71	0.29	1.55	3.47	8.31
Mrima	3	91.26	8.74	26.22	43.68	4.29	14.46	2.61	0.63	0.20	0.95	2.60	4.36

Mrima Drill Results 02/2012^		90.70	9.30	26.2	42.8	4.4	15.1	2.1	0.6	0.2	0.9	2.5	5.1
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^ TREO 1% cutoff 1.5m max dilution for TREO (includes RC 2010, and DDH 2011 results)

#### Appendix 2: Details of the MMAJ Rock chip samples (converted to oxides).

Location	Sample	Nb <sub>2</sub> O <sub>5</sub>	La <sub>2</sub> O <sub>3</sub>	CeO <sub>2</sub>	Nd <sub>2</sub> O <sub>3</sub>	Sm <sub>2</sub> O <sub>3</sub>	Eu <sub>2</sub> O <sub>3</sub>	Tb <sub>4</sub> O <sub>7</sub>	Yb <sub>2</sub> O <sub>3</sub>	Lu <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>
		(%)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Kiruku	A005 S	0.0	2921.4	4967.6	912.1	114.8	34.7	10.0	19.4	2.7	279.4
Kiruku	A013 S	0.2	2372.6	3499.7	1053.3	131.0	39.4	12.9	17.1	2.0	279.4
Kiruku	E004 L	0.2	2604.8	5021.7	>1160	320.0	98.4	32.9	42.1	5.9	736.5
Kiruku	G010 S	0.1	1941.0	3586.9	>1161	336.3	104.2	31.8	45.5	6.0	977.8
Kiruku	G016 S	0.1	3248.7	5435.7	>1162	215.7	63.7	24.7	50.1	6.8	787.3
Kiruku	H001 S	0.0	8026.6	9837.0	>1163	157.7	41.7	15.3	23.9	3.0	342.9
Kiruku	H005 S	0.0	219.3	287.4	184.3	47.5	19.7	8.0	14.8	1.9	120.6
Nguluku	E006 A	0.0	287.3	631.4	211.1	34.8	10.3	3.8	5.8	1.1	95.2
Nguluku	E009 A	0.0	297.9	630.2	221.6	32.5	10.3	3.5	5.2	0.8	88.9
Nguluku	E013 A	0.0	228.7	535.6	184.3	30.1	9.7	2.9	5.5	0.7	76.2

Note although the report mentions the location of the rock chip samples, no grid references have been made. A full TREO assay suite was not carried out by MMAJ.

Sourced: Japanese International Cooperation Agency – Metal Mining Agency of Japan (1993) *Report on the Mineral Exploration in the Mombasa Area, Kenya. Consolidated Report.*