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## Rock Chip Results Exceed Expectations at Both Levon & Haig

### Highlights:

- Assay results from the April rock chip sampling programme at Levon and Haig prospect have been received
- Grades in line with those achieved in the June 2013 programme
- Indications that both prospects are larger than the 2013 predictions
- Reverse circulation drilling to commence in the coming quarter to provide sub-surface grade information and samples for metallurgical test work

### HASTINGS PROJECT

The Company is pleased to announce that assay results from the recent systematic rock chip sampling programme at the Levon and Haig prospects within the Hastings Project have returned better than expected results.

#### Levon Prospect

A total of 52 samples were collected from the Levon Prospect, with TREO results as shown in Figure 1. Full assay results are provided in Appendix 1.

Assay results were in line with expectations. Results indicate that the direct correlation between thorium radiometrics and total rare earths oxides (TREO) content that exists at the nearby Niobium Tuff deposit (the current JORC resource area) does not hold true at Levon. Significantly a number of samples with lower scintillometer readings have returned encouraging assay grades.

The sampling programme also identified a new Western Zone that had not been tested previously. Based on the 12 surface samples collected during the recent programme, this Western Zone returned an arithmetic average of 1900ppm TREO including 656ppm HREO (HREO:TREO of 34.5%).



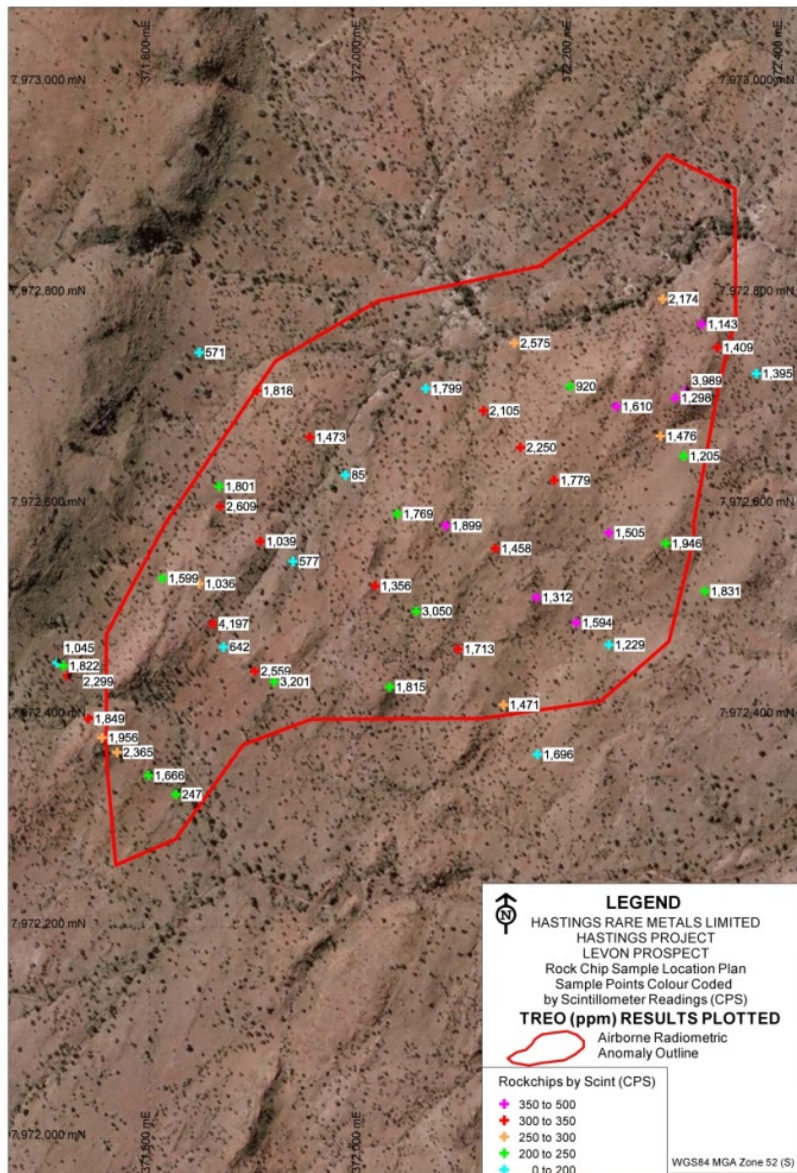


Figure 1 – Levon Prospect – Assay results from recent rock chip sampling programme and radiometric (Th) anomaly

A total of 50 surface samples exceeding 1000ppm TREO (the cut-off for the resources at the Niobium Tuff deposit) have now been returned from the Main Zone at Levon, with an arithmetic average of 1920ppm TREO including 740ppm HREO (HREO:TREO of 38.6%).

The most encouraging outcome of the sampling to date is that the Levon prospect, now including the Western Zone, is much broader than previously predicted, and both zones remain open along strike to north and south.





### Haig Prospect

At Haig, assay results were in line with predictions based on the scintillometer survey with results as shown in Figure 2. Full assay results are provided in Appendix 1.

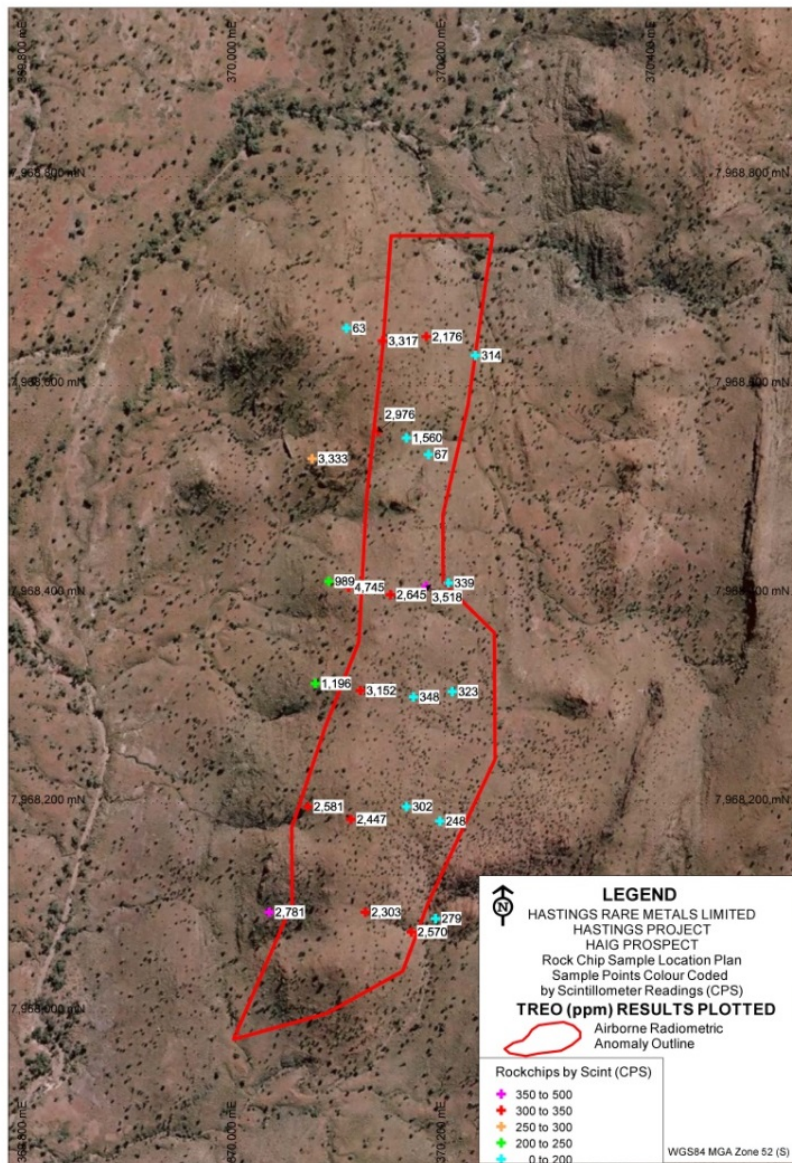


Figure 2 - Haig Prospect - Assay results from recent rock chip sampling programme with airborne radiometric (Th) anomaly

A total of 28 surface samples exceeding 1000ppm TREO (the cut-off for resources at the Niobium Tuff deposit) have now been returned from the Haig prospect. The arithmetic average of these samples is 2616ppm TREO including 790ppm HREO (HREO:TREO of 30%).



**Comment**

Although both Levon and Haig have modest TREO grades, they both host HREO grades that are comparable to numerous other rare earths projects that are currently being evaluated worldwide.

Based on the results to date, the Company is proposing to undertake a limited reverse circulation drilling programme on both prospects, at the same time as undertaking its initial drilling programme at the Southern Extension prospect to the south of the current JORC resources associated with the Niobium Tuff. Drilling at each of the three targets will provide the first indications of the potential in the third dimension and will provide samples for preliminary metallurgical testwork.

\* **TREO** is the sum of the oxides of the heavy rare earth elements (HREO) and the light rare earth elements (LREO).

**HREO** is the sum of the oxides of the heavy rare earth elements europium (Eu), gadolinium (Gd), terbium (Tb), dysprosium (Dy), holmium (Ho), erbium (Er), thulium (Tm), ytterbium (Yb), lutetium (Lu), and yttrium (Y)

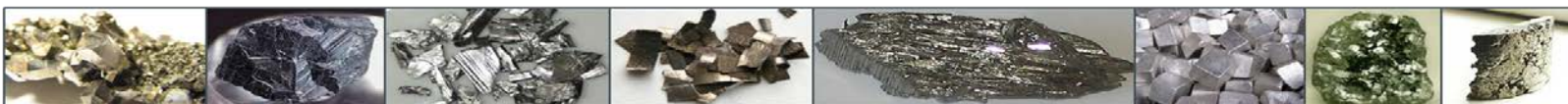
**LREO** is the sum of the oxides of the light rare earth elements lanthanum (La), cerium (Ce), praseodymium (Pr), neodymium (Nd), and samarium (Sm).

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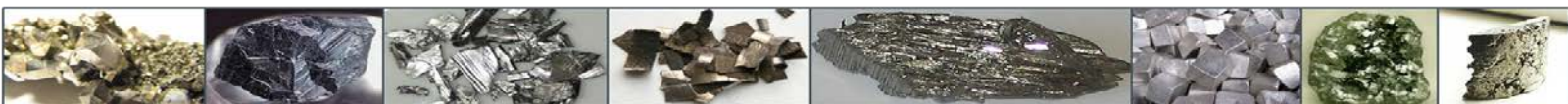
### About Hastings Rare Metals

- Hastings Rare Metals is a leading Australian rare earths company, with two rare earths projects in Western Australia.
- The Hastings deposit contains JORC Indicated and Inferred Resources totaling 36.2 million tonnes (comprising 27.1mt Indicated Resources and 9.1mt Inferred Resources) at 0.21% TREO, including 0.18% HREO, plus 0.89%  $ZrO_2$  and 0.35%  $Nb_2O_5$ .
- Rare earths are critical to a wide variety of current and new technologies, including smart phones, hybrid cars, wind turbines and energy efficient light bulbs.
- The Hastings deposit contains predominantly heavy rare earths (85%), such as dysprosium and yttrium, which are substantially more valuable than the more common light rare earths.
- The Company aims to capitalise on the strong demand for heavy rare earths created by expanding new technologies. It has recently validated the extensive historical work and completed a Scoping Study to confirm the economics of the Project.

### Competent Person's Statement

*The information in this report that relates to Resources is based on information compiled by Simon Coxhell. Simon Coxhell is a consultant to the Company and a member of the Australasian Institute of Mining and Metallurgy. The information in this report that relates to Exploration Results is based on information compiled by Andy Border, an employee of the Company and a member of the Australasian Institute of Mining and Metallurgy.*

*Each has sufficient experience relevant to the styles of mineralisation and types of deposits which are covered in this report and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code"). Each consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.*



## APPENDIX 1

### ASSAY RESULTS FOR APRIL 2014 ROCK CHIP SAMPLES FROM LEVON AND HAIG PROSPECTS

#### RockChips

**Report Date :** May, 06, 2014, 11:00:03

**User :** Simon

**Project :** Brockman

**Source File :** C:\Users\Simon\Documents\Brockman\Micromine Files\RockchipData.DAT

**Edit Date :** May, 06, 2014, 10:59:05

East	North	Sample No	Scint Readings	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Ta	Tb	Tm	Y	Yb	Zr
371825	7972326	L1	200	63.3	6.3	4.1	1.6	5.9	1.4	30.6	0.5	519	29.1	7.5	5.4	1.6	1.0	0.5	45.2	3.5	314
371799	7972344	L2	240	468.0	45.1	28.6	2.1	34.5	9.6	237.8	3.8	548	147.5	44.8	32.4	37.7	6.9	4.3	295.2	28.0	2548
371769	7972366	L3	270	899.0	56.3	35.3	3.0	44.7	11.7	260.3	4.7	708	197.1	60.8	44.9	47.2	8.5	5.3	316.9	33.5	3083
371755	7972380	L4	260	568.8	56.3	35.3	2.9	40.2	11.8	266.4	4.7	859	192.0	58.4	40.3	49.8	8.5	5.2	308.2	34.3	3421
371742	7972398	L5	320	547.7	76.2	50.8	2.4	45.0	16.4	116.5	6.8	956	100.3	29.3	29.0	68.4	11.1	7.3	436.3	49.5	4460
371722	7972439	L6	320	761.9	73.9	46.6	2.9	48.3	15.5	210.4	6.1	537	182.0	51.3	42.6	58.5	10.7	7.0	408.3	45.7	4446
371718	7972448	L7	200	605.5	46.8	28.0	2.9	36.1	9.1	247.6	3.6	620	177.1	53.8	38.3	41.6	7.1	4.4	238.5	28.0	2772
371712	7972451	L8	95	316.8	25.0	13.4	3.7	23.5	4.7	158.7	1.9	238	129.3	36.4	24.7	16.5	3.9	1.9	121.5	12.6	1319
371812	7972531	L9	240	628.3	46.4	28.1	2.1	34.8	9.6	130.8	3.9	589	110.9	33.3	30.8	43.0	7.0	4.1	237.7	28.2	2867
371847	7972526	L10	270	214.4	47.5	30.6	1.7	33.3	10.0	81.6	4.2	589	70.6	20.4	26.2	48.2	7.1	4.8	268.5	30.8	2665
371860	7972488	L11	300	1281.8	109.0	65.9	4.8	82.6	22.0	630.5	8.2	1258	413.1	126.5	83.4	82.8	16.6	9.8	598.1	61.2	5677
371870	7972466	L12	100	198.8	12.2	6.3	4.2	15.2	2.3	97.8	0.8	77	95.0	25.0	17.0	5.4	2.0	0.8	58.5	5.6	528
371900	7972443	L13	300	849.0	67.2	42.7	2.8	50.4	14.1	331.2	5.7	877	209.7	63.1	47.1	56.5	10.5	6.1	396.7	41.6	4027
371918	7972433	L14	210	911.0	84.6	50.7	4.1	68.0	17.5	481.6	6.1	680	330.0	98.5	69.9	45.9	13.7	7.1	488.9	45.5	3555
372028	7972428	L15	200	562.4	40.7	23.4	3.1	41.4	8.0	270.3	3.1	369	229.8	63.7	44.7	20.2	6.7	3.3	203.7	21.6	2249
372168	7972364	L16	150	545.9	34.7	19.2	4.3	35.7	6.8	251.6	2.3	268	226.3	62.5	40.1	16.2	5.6	2.6	173.8	17.0	2334
372136	7972411	L17	260	369.5	51.2	31.9	2.0	35.0	10.6	179.7	3.9	459	132.1	40.9	28.9	36.8	7.5	4.6	293.7	29.5	2955
372093	7972464	L18	320	442.0	62.7	39.7	2.5	44.2	12.5	186.2	5.2	554	144.0	43.9	37.9	55.0	9.3	5.9	345.7	38.7	3625





East	North	Sample No	Scint Readings	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Ta	Tb	Tm	Y	Yb	Zr
372053	7972500	L19	240	762.8	97.7	60.7	4.6	77.8	20.8	390.7	6.9	677	293.2	84.6	66.2	49.3	15.2	8.3	597.0	49.9	6366
372014	7972524	L20	300	220.6	72.0	48.3	2.6	49.0	15.3	70.5	6.4	1018	80.0	20.9	36.3	61.9	11.0	7.4	418.1	47.8	4348
371936	7972547	L21	100	174.5	11.3	5.9	4.1	13.3	2.2	83.7	0.8	58	85.9	21.6	15.3	3.7	2.0	0.8	59.6	5.2	541
371905	7972566	L22	300	216.5	51.5	33.3	1.9	35.3	11.1	56.6	4.7	698	55.6	15.8	24.3	48.5	7.9	5.1	297.8	33.4	3067
371867	7972599	L23	310	862.2	74.0	44.7	3.4	56.9	15.2	298.5	5.7	768	230.3	69.0	54.6	62.1	11.3	6.6	404.8	42.9	4179
371866	7972618	L24	200	523.5	60.9	37.7	2.9	46.8	12.6	192.1	5.0	727	146.2	45.5	39.0	56.0	9.4	5.6	333.4	37.1	4246
371847	7972745	L25	160	173.7	11.5	6.1	5.2	13.4	2.3	83.4	0.8	84	82.2	21.7	14.8	5.4	2.0	0.9	58.1	5.3	773
371902	7972709	L26	300	541.6	61.1	37.8	2.6	47.7	12.5	182.6	4.9	672	151.0	45.8	39.6	51.0	9.4	5.8	333.8	36.1	3483
371952	7972665	L27	300	406.3	45.3	31.4	2.1	33.2	9.8	181.7	4.4	715	126.3	39.9	30.0	53.2	6.6	4.8	270.5	32.1	2995
371986	7972629	L28	120	13.3	3.4	2.6	0.3	1.9	0.8	6.6	0.4	44	5.6	1.5	1.5	0.9	0.5	0.4	28.1	2.5	124
372035	7972592	L29	200	582.7	47.5	28.8	2.4	35.3	10.1	227.8	3.7	686	163.2	49.5	35.2	40.8	7.1	4.2	255.1	27.2	3014
372081	7972581	L30	350	577.9	80.3	54.2	2.5	46.3	17.2	72.5	7.3	861	80.2	22.3	29.0	65.9	11.5	8.2	498.1	53.6	4747
372128	7972559	L31	310	253.5	72.1	46.0	3.0	51.5	15.3	131.8	6.3	1882	97.2	28.1	37.2	77.9	11.1	6.5	391.9	45.0	4610
372167	7972513	L32	350	317.6	64.6	40.6	2.2	42.8	13.5	67.4	5.5	981	60.8	16.7	25.9	60.0	9.9	6.2	362.2	40.1	3817
372205	7972489	L33	450	322.4	73.3	47.5	2.8	49.6	15.6	125.2	6.4	972	117.9	33.3	39.5	64.3	10.8	7.0	412.7	46.9	4283
372236	7972468	L34	130	394.4	25.0	13.6	3.0	25.5	4.9	185.6	1.8	208	165.7	46.5	29.8	12.8	4.1	2.0	119.9	13.5	1420
372327	7972519	L35	210	581.3	40.4	23.3	2.7	36.6	7.9	282.3	2.8	365	210.5	61.8	38.1	27.0	6.5	3.1	220.0	20.9	2264
372290	7972564	L36	220	612.1	46.4	27.5	3.1	39.6	9.6	266.7	3.2	463	212.9	62.4	40.5	24.7	7.4	3.8	271.6	24.1	2624
372236	7972574	L37	360	405.8	57.8	37.9	2.1	35.4	12.0	132.7	5.3	1313	100.4	31.4	26.4	51.8	8.1	5.6	345.2	37.1	3323
372184	7972624	L38	320	425.4	69.7	47.2	2.9	52.9	15.1	153.1	6.1	979	120.5	35.0	40.7	51.6	10.6	7.2	434.9	45.7	4312
372152	7972655	L39	300	505.3	55.8	37.1	2.8	47.5	11.9	440.6	5.0	642	264.2	82.5	49.0	44.6	8.5	5.7	328.9	36.9	3186
372117	7972690	L40	300	631.3	49.3	31.2	2.5	40.6	10.1	338.1	4.0	597	220.4	68.4	43.6	42.5	7.8	4.6	282.1	29.8	2840
372062	7972711	L41	160	542.2	43.0	24.9	2.3	36.2	8.5	296.9	3.3	309	191.7	58.9	37.4	37.5	6.7	3.6	230.6	23.5	2576
372146	7972754	L42	250	735.7	63.8	39.7	3.3	52.7	13.1	406.9	5.1	793	262.6	80.4	53.5	52.2	9.9	6.1	383.4	38.1	3610
372199	7972713	L43	220	257.3	32.3	20.5	1.4	24.2	6.8	96.5	2.7	530	73.8	22.7	20.9	30.7	5.0	3.2	175.6	21.3	1891
372243	7972694	L44	380	431.7	69.7	47.1	2.1	38.5	15.3	92.6	6.5	1016	78.0	23.3	25.5	64.2	10.2	7.2	426.3	48.1	4413
372285	7972666	L45	260	413.1	45.5	30.5	2.2	33.2	9.4	170.1	4.0	638	133.9	41.7	30.8	40.1	7.0	4.4	272.6	29.0	2825
372307	7972647	L46	200	377.0	43.5	25.4	2.5	31.5	8.8	99.7	3.3	521	99.6	29.0	26.7	34.0	6.7	3.6	220.9	24.1	2634



East	North	Sample No	Scint Readings	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Ta	Tb	Tm	Y	Yb	Zr
372376	7972725	L47	150	446.4	26.0	14.1	4.6	29.1	4.9	218.4	2.0	181	194.9	53.3	35.0	11.6	4.3	2.0	128.3	13.3	2022
372339	7972750	L48	310	388.9	60.7	38.9	1.8	36.3	12.5	88.3	5.2	856	66.8	20.0	22.9	50.6	8.7	5.6	364.8	37.8	3497
372324	7972772	L49	350	121.5	75.1	49.9	1.7	38.0	16.2	27.3	6.5	1116	31.9	8.2	17.5	66.7	10.2	7.6	459.3	49.1	4659
372287	7972796	L50	290	678.0	69.5	44.7	2.6	47.8	14.5	193.5	5.7	939	164.4	48.4	41.5	58.2	10.7	6.7	435.7	41.9	4112
		L51		226.1	67.4	45.6	2.0	40.4	14.5	68.5	6.0	963	66.4	18.9	23.8	58.2	10.0	7.1	416.2	44.8	4022
		L52		1018.1	72.6	44.3	4.7	73.7	14.7	886.5	5.8	924	503.6	162.8	89.8	56.1	11.9	6.7	421.0	42.0	3711
370069	7968197	H1	340	854.1	68.5	43.0	3.1	50.8	14.4	325.0	5.6	1205	223.7	67.4	48.5	55.1	10.5	6.2	394.3	41.6	4038
370110	7968185	H2	300	602.2	68.5	44.4	2.9	51.2	14.7	398.6	5.9	927	241.9	73.2	48.0	57.4	10.5	6.5	426.6	43.7	3901
370163	7968197	H3	190	97.4	5.4	3.0	0.8	6.4	1.1	50.2	0.4	20	38.7	10.9	7.2	2.0	0.9	0.4	28.8	3.0	301
370195	7968183	H4	170	69.6	4.4	2.4	0.7	5.3	0.8	47.3	0.3	13	34.9	9.7	6.0	1.3	0.8	0.3	24.0	2.3	198
370191	7968090	H5	160	85.7	5.4	2.8	0.9	6.4	1.0	46.2	0.4	13	36.7	10.3	7.2	1.3	0.9	0.4	28.4	2.6	244
370168	7968077	H6	300	654.6	65.3	44.2	3.0	50.3	14.4	434.3	6.3	954	272.5	85.6	53.5	56.3	9.6	6.6	400.0	46.0	3936
370124	7968096	H7	330	545.4	58.6	38.2	2.6	44.6	12.2	434.6	5.5	1049	259.3	80.9	48.6	53.9	8.5	5.7	342.3	38.3	3971
370032	7968096	H8	350	801.1	71.1	45.6	3.4	57.3	15.2	442.6	5.7	794	285.9	87.3	58.2	60.9	11.1	6.5	393.9	42.6	4028
370076	7968315	H9	200	347.9	20.3	10.9	2.1	23.0	3.9	237.5	1.6	138	172.5	48.4	30.0	7.9	3.4	1.5	98.1	9.6	1086
370119	7968308	H10	300	790.0	71.7	43.6	3.9	63.4	15.2	629.3	5.9	1013	375.2	115.3	71.9	59.7	11.3	6.4	399.0	43.0	4067
370170	7968302	H11	170	110.7	6.0	3.4	1.0	6.6	1.1	61.7	0.4	16	44.7	12.6	8.8	1.8	1.0	0.5	32.0	3.1	266
370207	7968307	H12	160	96.7	5.0	2.5	1.0	6.2	0.9	68.9	0.3	14	43.3	12.6	7.6	1.3	0.9	0.3	24.7	2.1	230
370203	7968411	H13	180	120.3	4.2	2.3	0.9	5.7	0.8	64.9	0.3	11	42.8	13.0	7.3	1.1	0.7	0.3	21.7	2.1	215
370182	7968408	H14	400	780.1	80.9	49.8	4.0	63.3	16.9	763.0	5.9	1037	438.6	138.3	75.5	64.3	11.9	6.9	469.6	45.4	4580
370148	7968400	H15	300	762.8	71.4	45.2	3.6	54.6	15.1	398.6	5.8	1013	264.9	80.1	54.5	61.1	10.7	6.5	396.2	41.5	3943
370108	7968407	H16	340	1408.4	119.4	70.6	6.3	104.5	24.3	706.1	8.4	791	507.2	151.6	110.8	81.1	19.1	9.9	666.4	62.6	6114
370089	7968413	H17	230	287.6	18.5	10.8	2.0	20.7	3.7	171.6	1.5	193	138.1	37.6	24.9	7.8	3.1	1.5	101.4	10.1	1055
370073	7968530	H18	270	957.7	76.0	47.5	3.7	65.3	15.9	578.2	5.8	916	358.0	108.6	70.0	61.1	11.9	6.9	444.3	44.7	4051
370136	7968556	H19	300	759.1	69.2	42.9	3.5	57.5	14.7	584.0	5.3	933	327.1	103.8	62.0	55.2	10.4	6.2	410.7	37.5	3849
370163	7968550	H20	180	511.8	29.9	15.5	2.8	30.2	5.9	285.2	1.7	265	175.4	52.7	32.4	24.8	4.9	2.1	151.8	12.9	2421
370184	7968534	H21	90	16.1	1.3	0.8	0.3	1.5	0.3	12.0	0.1	0	7.9	2.3	1.5	0.5	0.2	0.0	10.5	0.7	39
370229	7968629	H22	170	86.5	8.2	5.1	0.9	6.8	1.7	47.1	0.7	78	34.0	9.7	7.1	5.1	1.3	0.8	47.7	4.8	406





East	North	Sample No	Scint Readings	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Ta	Tb	Tm	Y	Yb	Zr
370182	7968647	H23	340	585.8	57.4	36.3	2.8	45.9	12.1	370.8	4.9	831	230.4	71.3	45.0	50.9	8.7	5.3	309.0	35.2	3437
370140	7968643	H24	330	985.4	78.9	51.0	3.8	63.6	17.2	538.0	6.8	787	339.2	103.9	68.0	63.3	12.0	7.4	453.9	49.1	4492
370106	7968655	H25	100	18.6	1.3	0.8	0.3	1.1	0.3	11.5	0.1	11	7.2	2.2	1.4	1.1	0.2	0.1	6.9	0.7	87



## JORC 2012 disclosures on sampling techniques and data

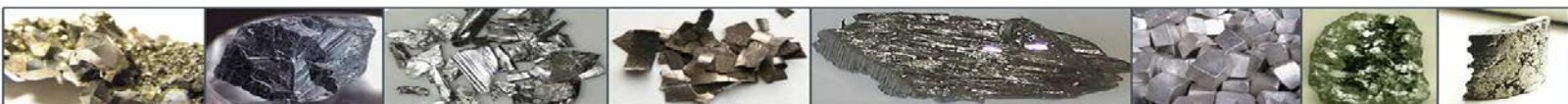
Section 1: Sampling Techniques and Data																			
Criteria	JORC Code Explanation	Commentary																	
Sampling Technique	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling</i>	Recent exploration at the Hastings Project has comprised systematic rock chip sampling at spot locations over the Levon and Haig radiometric anomalies. A total of 52 samples on a nominal 100 m X 50 m grid spacing have been collected at Levon. A total of 25 samples on a nominal 100 m X 50 m grid spacing have been collected at Haig. Approximately 2 kg of sample from each outcropping rock location was collected for analysis.																	
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report.</i>	A hand held scintillometer was used to assist with sample location with a variety of rock chips collected ranging from high anomalous readings to low readings (80 cps to 520 cps). The sample locations are recorded by handheld GPS survey with an accuracy of +/- 5 metres.  Samples were logged for lithology, alteration, weathering and mineralisation.																	
	<i>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i>	Approximately 2 kg of rock chip sample/sample was submitted to Interdek/Genalysis in Perth where they will be crushed, dried and pulverised to produce a sub sample for rare earth analysis. The following elements will be analysed via ICP following sodium peroxide fusion digest.  <table> <tr> <td>La</td><td>Gd</td><td>Yb</td></tr> <tr> <td>Ce</td><td>Tb</td><td>Lu</td></tr> <tr> <td>Pr</td><td>Dy</td><td>Nb</td></tr> <tr> <td>Nd</td><td>Ho</td><td>Ta</td></tr> <tr> <td>Sm</td><td>Er</td><td>Zr</td></tr> <tr> <td>Eu</td><td>Tm</td><td></td></tr> </table> ICP-MS	La	Gd	Yb	Ce	Tb	Lu	Pr	Dy	Nb	Nd	Ho	Ta	Sm	Er	Zr	Eu	Tm
La	Gd	Yb																	
Ce	Tb	Lu																	
Pr	Dy	Nb																	
Nd	Ho	Ta																	
Sm	Er	Zr																	
Eu	Tm																		
Drilling	<i>Drill type (eg core, reverse circulation, open- hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face- sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	NA																	
Drill Sample Recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	NA																	
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	In any particular sample location outcropping rock chips were collected across the outcrop and not focused on any specific small area.																	
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	Insufficient data is available at the present stage to evaluate potential sample bias.																	



<b>Logging</b>	<i>Whether core and chip samples have been geologically and geotechnical logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	Geological logging of rock chips has taken place recording the scintillometer count per second, lithology and any other relevant features
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean/Trench, channel, etc) photography.</i>	Rock chip logging is a qualitative activity with pertinent relevant features recorded: lithology, mineralogy, mineralisation, structural, weathering, alteration, colour and other features of the samples.
	<i>The total length and percentage of the relevant intersections logged.</i>	All samples were logged.
<b>Sub-Sampling Technique and Sample Preparation</b>	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	NA
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	N/A
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	The sample preparation for all samples follows industry best practice and will be undertaken by Interdek/Genalysis in Perth where they will be crushed, dried and pulverised to produce a sub sample for analysis. Sample preparation involving oven drying, coarse crushing, followed by total pulverization in LM2 grinding mills to a grind size of 85% passing 75 microns.
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	QC for sub sampling follows Interdek procedures.
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i>	No field duplicates have been taken.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	The sample sizes are considered to be appropriate to correctly represent the style of mineralisation and preliminary nature of the sampling.
<b>Quality of Assay Data and Laboratory Tests</b>	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	The laboratory uses a sodium peroxide fusion to enable analysis of the rare earth suite of elements. This method is useful for samples in which the elements of interest are hosted in minerals that may resist acid digestions.  Sample preparation checks for fineness were carried out by the laboratory as part of their internal procedures to ensure the grind size of 85% passing 75 micron was being attained.
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	No geophysical tools were used to determine any element concentrations at this stage.



	<i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i>	<p>Laboratory QA/QC involves the use of internal lab standards using certified reference material, blanks, splits and duplicates as part of the in house procedures.</p> <p>Repeat or duplicate analysis for samples shows that the precision of samples is within acceptable limits.</p>
<b>Verification of Sampling and Assaying</b>	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	The Company's General Manager of Exploration has visually reviewed the samples collected.
	<i>The use of twinned holes.</i>	NA
	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	NA
	<i>Discuss any adjustment to assay data</i>	No adjustments or calibrations were made to any assay data used in this report.
<b>Location of Data points</b>	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	All samples have been located by GPS in UTM grid WGS84 Zone 52 (S).
	<i>Specification of the grid system used</i>	The grid system is WGS 84 Z 52(S).
	<i>Quality and adequacy of topographic control</i>	Topographic control is based on a detailed survey over the sample area (+/- 2 metres)
<b>Data Spacing and Distribution</b>	<i>Data spacing for reporting of Exploration Results</i>	All samples were collected on a nominal 100 m X 50 m grid pattern aligned along the long axis of the radiometric anomalies
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	The work completed is early stage exploration, however the results are expected to provide broad dimensions of the rare earth anomalous outcrops over the target areas.
	<i>Whether sample compositing has been applied</i>	NA
<b>Orientation of Data in Relation to Geological Structure</b>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	At this early stage the orientation is considered appropriate for the sampling completed.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	NA





<b>Sample Security</b>	<i>The measures taken to ensure sample security</i>	<p>Chain of custody is managed by the Company.</p> <p>Samples are transported to the laboratory via registered couriers with samples safely consigned to Interdek for preparation and analysis.</p> <p>Whilst in storage, they are kept in a locked yard. Tracking sheets are used track the progress of batches of samples</p>
<b>Audits or reviews</b>	<i>The results of any audits or reviews of sampling techniques and data.</i>	<p>No review of the data management system has been carried out.</p>

