

22 November 2022

Strong Rare Earths anomalism identified at Mt Cattlin Gold-Copper Project

Auger geochemical sampling shows strong Rare Earth Element anomalism at surface associated with buried intrusives

Key Points:

- Anomalous Rare Earth Elements (REE) mineralisation identified in auger geochemical sampling previously undertaken for the purposes of Geochemical Footprint Modelling at Mt Cattlin.
- REE results indicate that the intrusive complex, which hosts the mineralisation at Mt Cattlin, may include alkali-rich intrusive-like carbonatites, which are the most significant hard-rock source of REE. This hypothesis is supported by the previous recognition of fenite alteration, which is characteristically located on the margins of carbonatites.
- A deep diamond drilling program, supported by EIS funding, is currently being planned to test several targets. These drill-holes will test the gold-copper potential within the multi-phase intrusive complex, while also assessing the overlapping REE potential.
- Several REE anomalous trends have been highlighted, which are partly aligned with dominant north-east-trending structures and overlying buried intrusions.
- Air-core drilling is also planned to test the near-surface REE ionic clay potential at Mt Cattlin.

Traka Resources Limited (ASX: **TKL**, **Traka** or **the Company**) is pleased to advise that significant Rare Earth Element anomalism has been detected in auger geochemical samples collected from the Company's 100%-owned **Mt Cattlin Gold-Copper Project** in south-west Western Australia.

The samples were collected earlier this year to assist with Geochemical Footprint Modelling of the gold and copper potential at Mt Cattlin (1).

Ongoing evaluation of the data, further sampling and additional assay is underway, however the Company believes that the REE mineralisation may be associated with carbonatite intrusives within the multi-phase Mt Cattlin intrusive complex. This view is supported by the previous observation of fenite alteration in drill holes and mapping, with this type of alteration typically found on the margins of carbonatite intrusives (2).

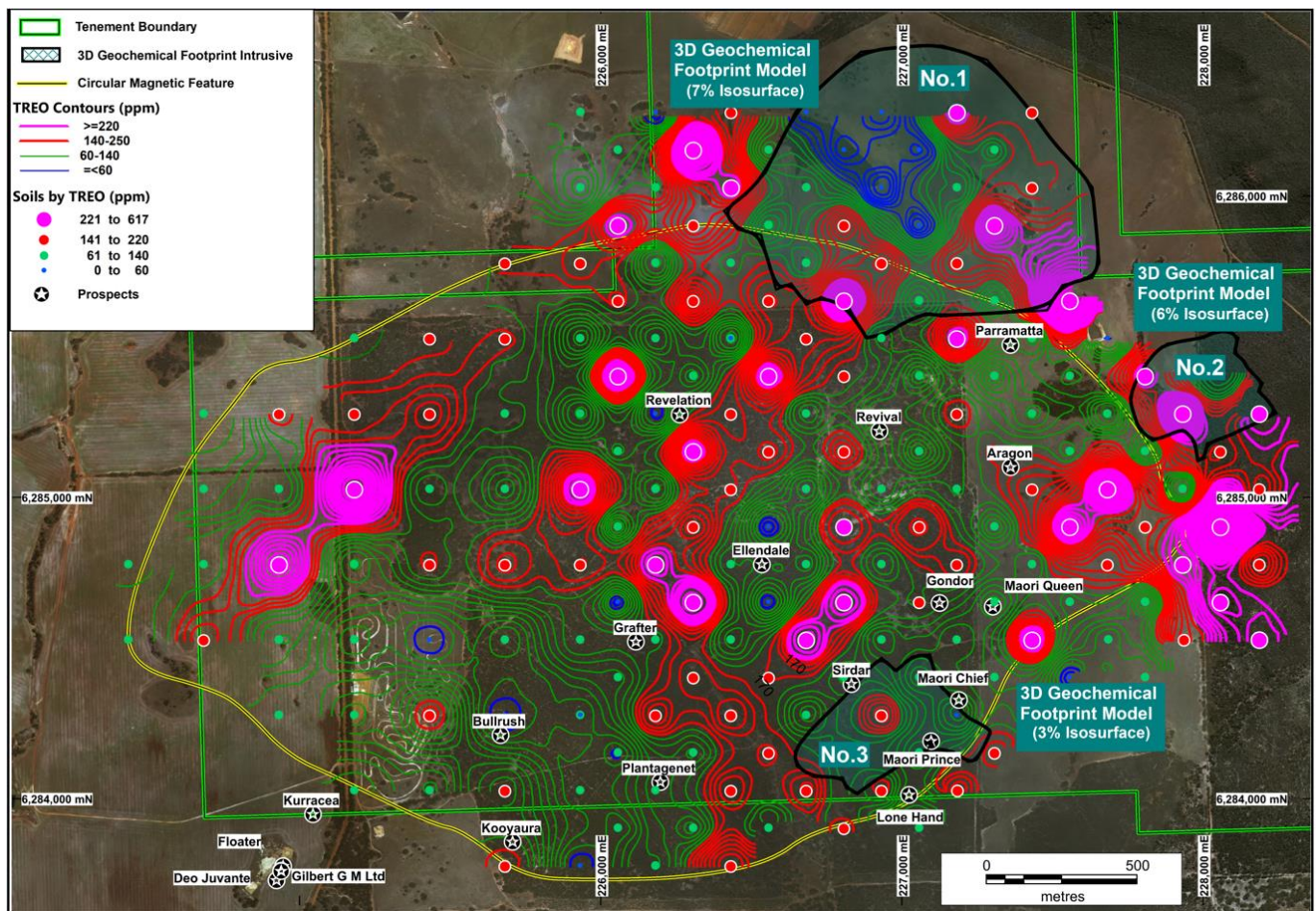


Figure 1. A geochemical plan view showing TREO anomalism over the Mt Cattlin intrusive complex. Several north-east trending anomalous zones are parallel but offset to the mineralised gold-copper structures which include porphyries that host the various gold-copper mines and prospects. A large anomaly to the north-east of the Maori Queen Resource overlies one of the buried footprint modelling intrusive.

The REE geochemical results, depicted as TREO (Total Rare Earth Oxide), highlight anomalies predominantly in the north-east trend, partly coincident with mineralised structures and the buried gold-copper targets which have been the focus of Traka's previous exploration (Figure 1).

All the anomalies occur with the boundaries of the multi-phase and strongly hydrothermally altered intrusive complex.

Additional sampling for REE, including air-core drilling of the anomalies, is currently being considered to obtain profile data through the ionic clay potential in the weathered regolith zone. In addition, two deep diamond drill holes are planned to test the bedrock core of the intrusive complex. These deep diamond holes will test the positions of the buried gold-copper intrusives previously highlighted, as well as providing the opportunity to test for REE-rich carbonatite intrusives. An EIS (Exploration Incentive Scheme) co-funding grant of \$220,000 is being applied to these drill-holes (3).

The geochemistry data comprised bottom-of-hole auger samples (0.5 to 1.0m deep) with the ultrafine clay fraction (<7µm) assayed for REE (Table 1). The full oxidised regolith profile that would host the supergene enriched REE ionic clay potential, which is typically in the range of 5 to 25 metres deep, is yet to be tested but will be prioritised below the peak near-surface auger base anomalies. Several of these anomalies extend over 2km each and extend beyond the limits of the auger sampling program. The peak TREO anomalism was 617ppm, which is several orders of magnitude above background potential.

A full description of the data and sampling details is provided in the Annexure: JORC Table 1.

Management Comment

Traka's Managing Director, Patrick Verbeek, said:

"This is a very exciting development that further upgrades the prospectivity of the Mt Cattlin Project, indicating compelling potential for Rare Earth Elements alongside the known gold-copper mineralisation.

"The planned deep diamond drill-holes will test the buried intrusive complex for both opportunities, with a program of air-core drilling also being considered to test for REE's closer to surface within the regolith profile.

"What is most exciting is that we already have early evidence for underlying hard rock alkali intrusives – with fenite alteration observed in several drill holes – and a very favourable geological setting for REE mineralisation."

Authorised by the Board.

Patrick Verbeek
Managing Director

- (1) Traka ASX Announcement 16 May 2022 - Vectoring to the mineralised core of the Mt Cattlin Gold-Copper Project
- (2) Traka ASX Investor Presentation 7 June 2021.
- (3) Traka Quarterly Report 30 September 2022.

COMPLIANCE STATEMENT

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr P Verbeek who is the Managing Director of Traka Resources Limited. Mr Verbeek, who is a Competent Person and a Member of the Australasian Institute of Mining and Metallurgy, has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Mr Verbeek consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Table 1 - Auger geochemical sample locations and assay results

Sample Number	Easting	Northing	TREO (ppm)	LREO (ppm)	HREO (ppm)	MREO (ppm)	CeO ₂	Dy ₂ O ₃	Er ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Ho ₂ O ₃	La ₂ O ₃	Lu ₂ O ₃	Nd ₂ O ₃	Pr ₆ O ₁₁	Sm ₂ O ₃	Tb ₄ O ₇	Tm ₂ O ₃	Yb ₂ O ₃	Y ₂ O ₃
837097	225681.60	6285778.68	141	106	35	47	47.72	3.49	2.13	1.12	4.81	0.70	20.29	0.28	27.22	5.19	5.44	0.62	0.32	1.91	19.80
837098	225931.60	6285778.68	160	119	41	49	56.58	3.75	2.35	1.08	4.85	0.77	22.99	0.31	29.05	5.44	5.09	0.66	0.34	2.11	25.13
837099	226181.60	6285778.68	71	49	22	23	20.54	2.03	1.25	0.66	2.81	0.42	10.03	0.20	12.85	2.60	2.94	0.36	0.21	1.34	12.61
837100	226431.60	6285778.68	139	95	44	44	43.79	4.03	2.59	1.20	5.00	0.84	17.13	0.38	24.57	4.52	5.09	0.69	0.40	2.50	26.52
837101	226681.61	6285778.68	117	86	31	37	37.64	2.95	1.90	1.13	4.00	0.60	18.18	0.27	21.58	4.14	4.39	0.54	0.27	1.78	17.26
837102	226931.60	6285778.68	204	149	56	70	63.59	5.74	3.42	1.82	7.72	1.12	28.97	0.52	39.51	7.86	8.81	1.01	0.53	3.33	30.46
837103	227431.60	6285528.68	92	65	27	33	28.41	2.79	1.62	0.91	3.78	0.53	11.26	0.24	17.93	3.44	4.25	0.51	0.24	1.52	14.72
837104	227181.60	6285528.68	226	164	62	80	72.32	6.45	3.73	2.35	9.56	1.26	28.39	0.56	44.49	8.52	10.60	1.22	0.56	3.63	32.74
837105	226931.61	6285528.68	116	87	30	38	38.38	2.89	1.78	0.95	4.10	0.60	17.48	0.26	21.91	4.29	4.52	0.53	0.27	1.76	16.75
837106	226681.61	6285528.68	175	142	33	56	69.50	3.62	2.11	1.25	4.97	0.70	25.57	0.33	34.53	6.20	6.11	0.67	0.33	2.20	16.88
837107	226431.60	6285528.68	68	47	21	23	19.68	2.17	1.30	0.66	2.63	0.45	9.61	0.16	12.27	2.52	2.84	0.39	0.18	1.18	11.54
837108	226181.60	6285528.68	77	56	21	25	24.72	1.94	1.14	0.64	2.83	0.38	10.87	0.18	14.36	2.81	3.00	0.35	0.17	1.14	12.31
837109	225931.61	6285528.68	64	44	20	21	19.43	1.87	1.17	0.47	2.45	0.38	8.36	0.18	11.34	2.21	2.55	0.33	0.18	1.17	11.51
837110	225681.60	6285528.68	151	106	45	50	43.79	4.11	2.56	1.24	5.75	0.84	22.40	0.34	27.89	5.62	6.26	0.73	0.37	2.23	26.78
837111	225431.60	6285528.68	141	100	41	47	42.93	3.81	2.33	1.23	5.37	0.77	19.71	0.31	26.73	5.11	5.70	0.71	0.34	2.13	24.11
837112	225181.61	6285528.68	126	88	37	41	38.62	3.53	2.24	1.09	4.76	0.72	17.24	0.30	23.07	4.34	5.04	0.62	0.34	2.03	21.70
837113	224681.60	6285278.69	83	54	30	28	22.63	2.87	1.79	0.98	3.66	0.58	10.30	0.27	14.46	2.79	3.53	0.49	0.29	1.81	17.00
837114	224931.59	6285278.68	148	123	25	43	57.81	2.44	1.36	0.97	3.63	0.48	28.50	0.18	27.39	4.94	4.20	0.46	0.21	1.25	13.83
837115	225181.60	6285278.68	158	113	45	51	47.72	4.08	2.54	1.33	5.72	0.85	23.93	0.33	29.22	5.73	6.06	0.74	0.37	2.21	26.78
837116	225431.60	6285278.68	185	134	51	61	56.58	4.83	2.93	1.52	6.70	0.95	28.39	0.39	34.69	6.90	7.29	0.86	0.43	2.54	29.95
837117	225681.60	6285278.68	138	98	40	45	42.07	3.70	2.29	1.25	5.17	0.74	20.18	0.31	25.40	5.16	5.47	0.66	0.33	2.03	23.22
837118	225931.60	6285278.69	65	47	18	21	20.79	1.59	0.98	0.49	2.25	0.33	9.31	0.11	12.25	2.32	2.47	0.28	0.15	0.89	11.18
837119	226181.60	6285278.68	49	36	13	15	17.84	1.31	0.81	0.45	1.64	0.29	6.03	0.13	8.78	1.44	1.63	0.24	0.14	0.84	7.60
837120	226431.60	6285278.68	157	110	47	50	49.20	4.29	2.62	1.29	5.68	0.88	21.35	0.35	28.22	5.44	5.92	0.74	0.40	2.42	28.17
837121	226681.60	6285278.68	103	70	33	33	30.38	2.92	1.82	0.88	3.85	0.62	13.25	0.24	18.59	3.60	4.04	0.51	0.26	1.66	20.56
837122	226931.60	6285278.68	97	65	32	31	28.29	2.87	1.79	0.88	3.80	0.60	12.90	0.24	16.77	3.27	3.77	0.51	0.26	1.65	19.04
837123	227181.60	6285278.68	156	106	51	52	46.37	4.78	2.98	1.42	6.35	0.97	18.65	0.40	28.72	5.41	6.45	0.86	0.43	2.69	29.82
837124	227431.60	6285278.69	96	60	35	30	25.34	3.11	1.99	0.91	3.75	0.64	11.96	0.28	16.14	3.26	3.73	0.52	0.31	1.93	21.95
837125	227681.60	6285278.68	61	44	17	20	19.31	1.61	0.98	0.46	2.33	0.32	8.69	0.16	11.35	2.20	2.43	0.28	0.16	1.05	9.81
837126	227931.60	6285028.68	73	53	20	23	24.60	1.97	1.30	0.46	2.54	0.40	10.13	0.20	13.10	2.50	2.84	0.33	0.21	1.42	10.89
837127	227681.60	6285028.68	284	196	88	93	76.88	7.90	4.72	1.88	11.00	1.59	46.22	0.58	51.63	10.73	10.93	1.42	0.66	3.84	54.44
837128	227431.60	6285028.68	169	111	58	53	47.72	4.94	3.04	1.56	6.44	1.03	22.05	0.38	29.05	5.73	6.29	0.87	0.46	2.72	36.55
837129	227181.60	6285028.68	123	87	36	39	38.75	3.09	1.85	0.93	4.30	0.63	17.24	0.25	22.24	4.35	4.53	0.56	0.29	1.73	22.46
837130	226931.60	6285028.68	104	73	32	35	31.73	2.96	1.81	0.90	3.94	0.58	13.61	0.27	19.26	3.72	4.29	0.52	0.27	1.81	18.53
837131	226681.60	6285028.69	77	54	24	24	22.76	1.82	1.17	0.53	2.63	0.37	11.62	0.15	13.73	2.74	2.71	0.33	0.18	1.06	15.35
837132	226431.60	6285028.68	164	115	49	56	48.09	4.84	2.79	1.41	6.63	0.95	22.52	0.40	31.54	5.77	7.09	0.83	0.41	2.29	28.81
837133	226181.60	6285028.68	79	58	21	25	29.27	2.16	1.35	0.60	2.54	0.42	9.13	0.19	14.77	2.23	2.73	0.35	0.21	1.21	12.31
837134	225931.60	6285028.68	244	180	64	82	82.04	6.35	3.79	1.82	8.72	1.26	32.02	0.51	48.47	8.12	9.18	1.06	0.55	3.18	36.80
837135	225681.60	6285028.68	84	59	25	29	24.97	2.52	1.42	0.69	3.37	0.48	11.61	0.19	16.17	3.03	3.50	0.41	0.19	1.21	14.47

Sample Number	Easting	Northing	TREO (ppm)	LREO (ppm)	HREO (ppm)	MREO (ppm)	CeO ₂	Dy ₂ O ₃	Er ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Ho ₂ O ₃	La ₂ O ₃	Lu ₂ O ₃	Nd ₂ O ₃	Pr ₆ O ₁₁	Sm ₂ O ₃	Tb ₄ O ₇	Tm ₂ O ₃	Yb ₂ O ₃	Y ₂ O ₃
837136	225431.60	6285028.68	119	79	40	40	33.09	3.67	2.27	1.01	4.83	0.71	15.01	0.31	22.08	4.05	4.90	0.59	0.33	1.93	24.11
837137	225181.60	6285028.68	274	203	71	92	89.54	6.99	4.01	2.11	9.71	1.41	39.18	0.53	54.45	9.56	10.23	1.18	0.58	3.41	41.12
837138	224931.60	6285028.68	115	83	32	40	32.96	3.03	1.75	1.00	4.47	0.57	18.06	0.24	23.07	4.63	4.76	0.52	0.25	1.46	18.27
837139	224681.60	6285028.68	103	76	26	34	32.72	2.57	1.50	0.80	3.59	0.50	15.84	0.22	20.09	3.61	3.96	0.41	0.23	1.32	15.35
837140	224431.60	6284778.68	121	85	37	40	35.30	3.41	2.01	0.93	4.58	0.68	17.60	0.28	22.91	4.31	4.69	0.58	0.30	1.70	22.08
837141	224681.60	6284778.68	135	100	36	45	43.17	3.33	2.00	0.96	4.73	0.64	19.94	0.24	26.73	4.78	4.98	0.56	0.29	1.64	21.32
837142	224931.60	6284778.68	232	176	56	79	73.31	5.43	3.11	1.63	7.93	1.06	38.36	0.42	47.14	8.82	8.71	0.92	0.45	2.63	32.23
837143	225181.61	6284778.69	86	63	22	29	27.92	2.12	1.26	0.64	2.92	0.41	12.20	0.18	17.10	2.97	3.14	0.36	0.17	1.06	13.20
837144	225431.60	6284778.68	144	111	33	49	49.82	3.35	1.93	1.20	4.94	0.64	21.35	0.28	29.22	5.18	5.71	0.58	0.29	1.74	17.77
837145	225681.60	6284778.68	164	122	41	57	52.77	4.04	2.30	1.24	6.02	0.76	23.34	0.27	33.53	6.14	6.53	0.71	0.32	1.87	23.73
837146	225931.60	6284778.68	162	117	45	55	49.45	4.44	2.54	1.20	6.11	0.82	23.93	0.32	31.54	5.75	6.34	0.72	0.37	2.06	26.90
837147	226181.60	6284778.68	220	157	63	71	68.76	6.10	3.66	1.59	7.84	1.20	31.08	0.49	41.33	7.39	8.01	0.96	0.55	3.24	37.82
837148	226431.60	6284778.68	113	83	30	37	36.16	2.95	1.79	0.73	3.72	0.58	16.89	0.27	21.91	3.94	4.02	0.47	0.27	1.67	18.02
837149	226681.61	6284778.68	91	66	24	30	29.03	2.34	1.39	0.67	3.27	0.45	12.79	0.19	17.93	3.15	3.43	0.39	0.21	1.23	14.34
837150	226931.60	6284778.68	111	76	35	36	32.72	3.20	1.94	0.83	4.09	0.65	15.60	0.25	20.25	3.66	4.07	0.52	0.29	1.62	21.70
837151	227181.60	6284778.68	174	119	55	59	49.94	5.25	3.13	1.35	7.08	1.05	23.11	0.38	32.70	5.90	7.10	0.88	0.43	2.50	32.99
837152	227431.60	6284778.69	111	77	34	36	33.33	3.18	2.08	0.85	3.88	0.65	15.25	0.30	20.58	3.60	4.09	0.49	0.31	1.80	20.18
837153	227681.61	6284778.69	157	109	49	51	45.88	4.38	2.67	1.23	5.96	0.87	22.17	0.35	29.22	5.39	5.87	0.73	0.38	2.16	29.82
837154	227931.60	6284778.69	245	175	70	80	78.97	6.89	4.07	1.49	8.80	1.33	32.84	0.58	46.48	8.07	8.99	1.12	0.61	3.54	41.50
837155	227431.60	6284528.68	244	169	75	80	74.05	7.35	4.47	1.81	9.27	1.47	32.02	0.63	45.48	8.00	9.24	1.18	0.66	3.96	44.29
837156	227181.60	6284528.69	97	70	27	32	30.01	2.53	1.45	0.68	3.48	0.49	13.96	0.19	19.09	3.38	3.53	0.42	0.22	1.26	15.99
837157	226931.60	6284528.68	96	68	29	32	28.78	2.55	1.54	0.66	3.50	0.50	13.49	0.20	18.43	3.33	3.54	0.42	0.22	1.31	17.64
837158	226681.60	6284528.68	248	188	60	80	88.19	5.93	3.53	1.57	7.95	1.16	34.37	0.47	48.64	8.12	8.27	0.98	0.50	2.99	35.28
837159	226431.60	6284528.69	105	71	34	35	31.49	3.29	1.97	0.75	4.06	0.64	12.90	0.27	19.59	3.41	3.89	0.52	0.29	1.72	20.18
837160	226181.60	6284528.68	129	93	36	42	42.44	3.68	2.31	0.89	4.24	0.73	16.89	0.35	24.90	4.23	4.55	0.58	0.35	2.24	20.81
837161	225931.60	6284528.68	136	98	38	45	42.31	3.46	2.07	1.00	4.94	0.68	19.71	0.28	26.23	4.77	5.08	0.58	0.31	1.81	22.46
837162	225681.60	6284528.68	63	45	18	21	19.43	1.72	0.98	0.46	2.34	0.33	8.83	0.15	12.48	2.17	2.35	0.28	0.14	0.84	10.86
837163	225431.60	6284528.69	54	38	16	18	16.48	1.46	0.87	0.41	1.99	0.27	7.77	0.11	10.38	1.84	1.95	0.24	0.13	0.79	9.56
837164	225181.60	6284528.69	67	49	19	22	21.16	1.80	1.09	0.46	2.45	0.34	9.70	0.17	13.06	2.34	2.35	0.29	0.16	0.99	11.04
837165	224931.60	6284528.69	116	82	34	39	32.84	3.10	1.81	0.88	4.24	0.61	18.06	0.25	22.24	4.51	4.26	0.49	0.25	1.51	21.19
837166	224681.60	6284528.68	174	134	41	56	62.48	3.92	2.27	1.13	5.53	0.74	24.87	0.31	34.69	5.70	5.84	0.65	0.34	2.00	23.98
837167	224431.60	6284528.68	127	92	35	38	46.37	3.44	2.10	1.13	4.33	0.68	16.19	0.28	21.25	3.85	4.48	0.55	0.33	2.04	20.30
837168	224931.60	6284278.69	88	64	24	26	32.10	2.19	1.33	0.60	2.96	0.42	11.27	0.17	15.07	2.73	3.13	0.38	0.21	1.31	14.21
837169	225181.60	6284278.69	119	85	35	37	41.33	3.22	1.92	0.97	4.29	0.64	14.08	0.24	20.75	3.94	4.69	0.54	0.29	1.85	20.56
837170	225431.60	6284278.69	163	121	42	50	60.02	3.88	2.25	1.19	5.41	0.74	20.76	0.26	28.72	5.23	5.91	0.65	0.33	1.97	25.76
837171	225681.60	6284278.68	52	36	15	15	17.84	1.35	0.82	0.36	1.78	0.26	6.66	0.10	8.47	1.61	1.82	0.22	0.13	0.76	9.42
837172	225931.60	6284278.68	93	67	26	28	33.58	2.33	1.45	0.73	3.15	0.48	11.85	0.17	15.80	2.90	3.37	0.39	0.22	1.31	15.48
837173	226181.60	6284278.68	179	129	51	53	65.07	4.69	2.87	1.19	6.03	0.92	21.35	0.38	30.38	5.50	6.35	0.75	0.45	2.73	30.58
837174	226431.60	6284278.69	182	123	58	55	59.78	5.32	3.30	1.38	6.64	1.09	21.70	0.41	29.71	5.56	6.74	0.87	0.49	3.00	35.53

Sample Number	Easting	Northing	TREO (ppm)	LREO (ppm)	HREO (ppm)	MREO (ppm)	CeO ₂	Dy ₂ O ₃	Er ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Ho ₂ O ₃	La ₂ O ₃	Lu ₂ O ₃	Nd ₂ O ₃	Pr ₆ O ₁₁	Sm ₂ O ₃	Tb ₄ O ₇	Tm ₂ O ₃	Yb ₂ O ₃	Y ₂ O ₃
837175	226681.60	6284278.69	95	65	29	28	31.24	2.60	1.62	0.74	3.28	0.53	12.32	0.20	15.47	2.97	3.45	0.42	0.25	1.66	18.02
837176	226931.60	6284278.69	202	150	51	60	77.86	4.87	2.77	1.41	6.61	0.93	24.28	0.34	35.03	6.10	7.04	0.81	0.42	2.51	30.71
837177	227181.60	6284278.68	59	38	21	18	18.20	1.92	1.19	0.49	2.28	0.39	6.77	0.16	9.18	1.73	2.23	0.31	0.18	1.12	12.94
837178	226931.60	6284028.67	170	119	51	51	57.56	4.60	2.74	1.22	6.00	0.92	21.35	0.32	28.55	5.38	6.16	0.75	0.41	2.47	31.09
837179	226681.61	6284028.68	182	132	49	53	65.56	4.53	2.74	1.26	5.82	0.90	24.28	0.35	30.71	5.77	6.14	0.72	0.41	2.54	29.95
837180	226431.60	6284028.67	182	132	50	56	61.87	4.61	2.79	1.32	6.10	0.89	25.81	0.36	31.37	6.22	6.70	0.75	0.42	2.61	29.82
837181	226181.60	6284028.68	111	81	30	33	39.11	2.80	1.70	0.85	3.66	0.56	15.01	0.20	18.76	3.58	4.05	0.46	0.25	1.49	18.02
837182	225931.61	6284028.68	70	51	19	22	24.35	1.71	0.99	0.50	2.49	0.33	9.41	0.14	12.37	2.42	2.67	0.28	0.15	0.91	11.46
837183	225681.60	6284028.68	141	91	50	45	41.45	4.63	2.80	1.20	5.99	0.93	16.07	0.32	23.07	4.43	5.84	0.75	0.41	2.41	30.20
837184	225431.60	6284028.68	77	56	21	23	27.43	1.93	1.14	0.53	2.64	0.38	9.98	0.14	13.20	2.45	2.82	0.32	0.17	1.02	13.07
837185	225181.61	6284028.68	67	47	20	20	22.76	1.89	1.15	0.58	2.49	0.38	8.61	0.16	11.07	2.10	2.54	0.31	0.17	1.09	11.66
837186	225681.60	6283778.68	155	110	45	46	54.37	3.98	2.42	1.11	5.32	0.79	19.12	0.27	26.23	4.88	5.52	0.66	0.35	2.15	27.54
837187	225931.60	6283778.68	55	39	16	16	18.82	1.41	0.87	0.42	1.87	0.29	7.31	0.10	9.20	1.72	1.96	0.24	0.14	0.80	9.96
837188	226181.60	6283778.68	93	71	22	27	36.65	2.01	1.23	0.58	2.74	0.40	12.90	0.17	15.74	2.90	3.03	0.34	0.18	1.17	13.32
837189	226431.60	6283778.68	212	153	58	66	72.08	5.25	3.15	1.68	7.62	1.05	28.50	0.36	37.35	7.33	8.17	0.89	0.46	2.73	35.28
837191	225932.00	6286279.00	101	68	33	37	25.34	3.15	1.91	0.91	4.29	0.64	13.72	0.26	20.75	4.05	4.53	0.52	0.29	1.64	19.42
837192	226182.00	6286279.00	43	28	15	15	10.39	1.36	0.90	0.39	1.78	0.29	5.61	0.15	8.45	1.64	1.88	0.22	0.14	0.86	8.69
837193	226432.00	6286279.00	190	144	45	75	62.48	5.20	2.79	2.11	8.15	0.94	20.64	0.38	42.83	8.12	10.41	0.95	0.41	2.63	21.95
837194	226682.00	6286279.00	56	42	14	20	18.70	1.41	0.95	0.36	1.75	0.33	7.08	0.15	12.38	2.11	2.06	0.22	0.15	1.00	7.51
837195	226932.00	6286279.00	28	19	9	9	8.54	0.85	0.63	0.16	0.76	0.18	3.13	0.11	5.20	0.83	0.83	0.12	0.10	0.77	5.46
837196	227182.00	6286279.00	235	190	45	77	103.94	4.85	3.07	1.41	6.46	0.96	21.35	0.44	49.80	7.31	7.96	0.80	0.46	2.90	23.35
837197	227432.00	6286279.00	155	127	28	50	67.77	3.05	1.82	1.04	4.20	0.58	16.54	0.26	32.37	4.90	4.98	0.51	0.27	1.76	14.85
837198	227307.00	6286154.00	114	91	23	36	47.11	2.34	1.52	0.69	3.01	0.45	13.49	0.35	23.07	3.66	3.48	0.38	0.23	1.48	12.47
837199	227057.00	6286154.00	50	40	10	18	15.74	0.93	0.66	0.28	1.40	0.19	8.26	0.11	11.75	2.39	1.71	0.13	0.10	0.81	5.37
837200	226807.00	6286154.00	36	27	9	12	12.23	0.95	0.66	0.22	1.11	0.19	4.36	0.16	7.67	1.24	1.24	0.14	0.10	0.74	5.00
837201	226557.00	6286154.00	89	71	19	31	30.50	2.03	1.22	0.67	2.66	0.40	14.19	0.20	19.42	3.36	3.34	0.34	0.19	1.38	9.53
837202	226307.00	6286154.00	396	269	126	122	131.61	10.84	6.40	2.94	13.98	2.15	41.64	0.80	70.88	11.38	13.79	1.75	0.90	5.49	80.96
837203	226057.00	6286154.00	116	72	44	41	28.29	4.15	2.54	1.27	5.32	0.84	11.85	0.32	22.24	4.01	5.19	0.66	0.35	2.09	26.65
837204	225932.00	6286029.00	74	47	27	26	16.24	2.40	1.49	0.83	3.27	0.48	10.47	0.19	14.23	2.97	3.22	0.40	0.21	1.22	16.12
837205	226182.00	6286029.00	127	88	39	42	38.01	3.69	2.25	1.10	4.88	0.74	16.30	0.30	23.74	4.64	5.03	0.60	0.32	1.93	22.97
837206	226432.00	6286029.00	245	191	53	83	94.46	5.45	3.18	1.77	7.95	1.05	28.15	0.43	50.96	8.69	9.18	0.95	0.47	2.90	29.06
837207	226682.00	6286029.00	129	105	24	42	50.68	2.59	1.49	0.91	3.59	0.49	18.53	0.23	26.73	4.70	4.55	0.45	0.23	1.52	12.06
837208	226932.00	6286029.00	21	13	8	6	4.97	0.71	0.55	0.17	0.67	0.16	3.18	0.10	3.42	0.64	0.65	0.09	0.09	0.73	5.08
837209	227182.00	6286029.00	104	72	32	40	27.06	3.26	1.86	1.03	4.64	0.62	13.25	0.24	22.41	4.31	5.12	0.55	0.27	1.67	18.02
837210	227432.00	6286029.00	154	124	29	49	61.25	3.01	1.85	1.05	4.06	0.57	21.35	0.28	31.37	5.52	4.90	0.49	0.29	2.05	15.48
837211	227307.00	6285904.00	254	199	55	81	109.22	5.76	3.50	1.60	7.46	1.12	22.64	0.49	51.79	7.49	8.17	0.94	0.51	3.20	30.58
837212	227057.00	6285904.00	46	32	14	16	12.55	1.36	0.94	0.37	1.55	0.27	6.52	0.18	9.33	1.78	1.87	0.21	0.16	1.08	7.86
837213	226807.00	6285904.00	191	153	38	62	81.06	3.83	2.29	1.26	5.40	0.74	20.18	0.34	39.67	6.11	6.46	0.64	0.35	2.20	20.94
837214	226557.00	6285904.00	95	63	32	36	21.16	3.10	1.94	1.02	4.21	0.63	12.90	0.26	19.75	4.20	4.69	0.52	0.27	1.73	18.78

Sample Number	Easting	Northing	TREO (ppm)	LREO (ppm)	HREO (ppm)	MREO (ppm)	CeO ₂	Dy ₂ O ₃	Er ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Ho ₂ O ₃	La ₂ O ₃	Lu ₂ O ₃	Nd ₂ O ₃	Pr ₆ O ₁₁	Sm ₂ O ₃	Tb ₄ O ₇	Tm ₂ O ₃	Yb ₂ O ₃	Y ₂ O ₃
837215	226307.00	6285904.00	208	146	62	72	60.89	5.72	3.46	1.76	8.15	1.16	27.68	0.43	40.67	8.27	8.65	0.95	0.48	2.86	37.18
837216	226057.00	6285904.00	242	156	87	77	65.19	6.61	3.86	1.97	8.79	1.29	29.56	0.48	43.16	8.71	9.18	1.07	0.55	3.25	58.75
837217	226057.00	6285654.00	146	105	41	52	43.17	3.80	2.18	1.22	5.68	0.76	19.47	0.27	29.71	6.21	6.51	0.65	0.31	1.79	23.98
837218	226307.00	6285654.00	203	160	43	68	80.44	4.42	2.61	1.42	6.38	0.85	22.76	0.38	42.33	7.02	7.34	0.75	0.38	2.36	23.48
837219	226557.00	6285654.00	185	114	71	59	45.02	5.23	3.13	1.56	6.90	1.04	22.87	0.40	32.04	6.75	7.26	0.85	0.43	2.66	48.86
837220	226807.00	6285654.00	325	234	91	100	93.23	6.80	4.13	2.19	10.18	1.36	58.06	0.53	59.26	11.84	11.24	1.16	0.57	3.54	60.79
837221	227057.00	6285654.00	104	77	27	37	29.27	2.81	1.81	0.82	3.48	0.55	17.13	0.32	22.08	4.34	4.28	0.44	0.29	1.88	14.72
837222	227182.00	6285779.00	192	128	64	67	55.84	6.23	3.86	1.79	8.41	1.24	20.29	0.51	36.19	6.86	8.76	1.02	0.55	3.48	36.55
837223	227307.00	6285654.00	109	71	37	40	26.81	3.58	2.25	1.02	4.82	0.74	13.61	0.32	21.91	4.22	4.93	0.59	0.33	2.06	21.45
837224	227557.00	6285654.00	344	239	105	112	94.71	8.17	4.69	2.50	12.16	1.58	53.96	0.63	64.08	12.93	13.60	1.39	0.66	3.99	68.78
837225	227682.00	6285529.00	53	38	15	18	14.64	1.43	0.96	0.35	1.69	0.29	8.54	0.18	11.16	1.93	1.93	0.22	0.18	1.14	8.21
837226	228057.00	6285404.00	97	73	24	34	28.54	2.28	1.54	0.58	2.77	0.46	16.42	0.26	21.25	3.71	3.30	0.36	0.26	1.70	13.45
837227	227807.00	6285404.00	228	169	60	81	71.09	6.08	3.42	1.79	8.66	1.13	31.55	0.45	47.64	8.67	9.64	1.07	0.50	2.97	33.76
837228	227557.00	6285404.00	125	90	36	47	32.47	3.53	2.13	0.96	4.77	0.70	18.89	0.32	27.89	5.11	5.28	0.61	0.33	2.00	20.18
837229	227307.00	6285404.00	74	49	25	28	17.59	2.48	1.42	0.79	3.37	0.48	10.08	0.18	15.49	2.71	3.40	0.42	0.22	1.27	14.59
837230	227057.00	6285404.00	74	48	26	26	17.71	2.26	1.39	0.59	2.96	0.45	9.79	0.18	14.81	2.60	2.82	0.36	0.19	1.16	16.37
837231	226807.00	6285404.00	147	106	42	51	43.54	3.93	2.29	1.15	5.46	0.77	21.23	0.32	29.55	5.46	5.76	0.66	0.34	2.05	24.62
837232	226557.00	6285404.00	266	180	86	87	77.12	6.66	3.97	1.78	9.39	1.26	32.73	0.51	50.96	9.02	9.86	1.16	0.56	3.35	57.49
837233	226307.00	6285404.00	85	59	26	32	20.79	2.24	1.33	0.71	3.54	0.44	12.90	0.17	18.59	3.39	3.72	0.40	0.18	1.12	15.48
837234	226057.00	6285404.00	347	236	111	117	108.98	9.36	5.34	2.67	13.12	1.79	33.55	0.74	68.39	10.71	14.19	1.63	0.80	4.79	70.68
837235	226057.00	6285154.00	106	73	32	38	26.69	2.94	1.77	0.88	4.18	0.60	15.72	0.23	22.41	4.00	4.34	0.51	0.25	1.51	19.54
837236	226307.00	6285154.00	268	181	86	88	81.18	6.79	3.92	2.27	9.82	1.31	29.79	0.50	51.46	8.61	10.36	1.20	0.56	3.30	56.47
837237	226557.00	6285154.00	176	122	54	61	51.17	4.98	2.88	1.39	6.96	0.96	22.40	0.34	35.03	6.21	7.15	0.86	0.42	2.38	32.49
837238	226807.00	6285154.00	179	131	48	61	57.56	4.70	2.78	1.34	6.40	0.92	24.05	0.39	36.52	6.39	6.91	0.79	0.42	2.54	27.79
837239	227057.00	6285154.00	62	41	21	21	14.88	1.95	1.25	0.51	2.39	0.40	9.10	0.18	12.27	2.15	2.36	0.31	0.22	1.15	13.07
837240	227307.00	6285154.00	148	99	49	51	39.85	4.38	2.67	1.23	5.78	0.89	19.24	0.35	29.22	5.18	5.76	0.80	0.40	2.23	30.33
837241	227557.00	6285154.00	123	84	40	44	31.24	3.70	2.23	0.93	5.06	0.72	17.13	0.30	25.73	4.48	5.06	0.62	0.33	1.96	23.86
837242	227807.00	6285154.00	94	61	33	33	22.26	2.94	1.78	0.73	4.00	0.58	12.67	0.23	18.92	3.33	3.86	0.49	0.25	1.48	20.43
837243	227932.00	6285279.00	400	296	104	119	140.22	8.48	4.98	2.23	10.97	1.61	56.77	0.70	75.70	11.55	11.71	1.36	0.75	4.50	68.27
837244	228186.00	6285279.00	234	189	45	75	99.75	4.57	2.72	1.25	6.31	0.88	25.92	0.41	49.30	6.95	7.01	0.76	0.42	2.57	25.00
837245	228057.00	6285154.00	191	143	48	64	68.14	4.89	2.97	1.26	6.25	0.94	22.76	0.43	39.34	6.25	6.78	0.79	0.46	2.82	27.03
837246	228186.00	6285029.00	191	145	46	63	64.58	4.86	3.07	1.17	5.82	0.92	27.92	0.48	38.51	6.96	6.78	0.81	0.48	3.06	25.38
837247	228057.00	6284904.00	617	453	164	218	189.42	14.11	7.91	3.44	19.46	2.68	81.05	1.02	143.76	17.88	20.59	2.42	1.16	6.71	105.33
837248	227807.00	6284904.00	214	131	83	65	53.75	6.10	3.78	1.39	7.89	1.23	26.28	0.51	36.35	6.62	7.69	1.01	0.56	3.21	57.74
837249	227557.00	6284904.00	288	187	101	92	73.43	7.67	4.49	2.11	10.52	1.50	41.64	0.58	51.96	9.68	10.76	1.34	0.64	3.68	68.40
837250	227307.00	6284904.00	89	60	29	32	22.26	2.68	1.57	0.72	3.68	0.54	12.43	0.20	18.59	3.30	3.65	0.46	0.23	1.31	17.13
837251	227057.00	6284904.00	218	167	50	72	81.92	5.08	2.93	1.37	6.87	0.96	25.69	0.40	45.15	6.95	7.60	0.86	0.45	2.70	28.68
837252	226807.00	6284904.00	221	142	79	73	57.32	6.02	3.46	1.75	8.48	1.17	26.74	0.45	41.33	7.63	8.83	1.05	0.53	3.00	53.55
837253	226557.00	6284904.00	48	33	15	18	12.25	1.38	0.78	0.41	2.10	0.26	6.70	0.09	10.39	1.82	2.14	0.25	0.11	0.66	8.48

Sample Number	Easting	Northing	TREO (ppm)	LREO (ppm)	HREO (ppm)	MREO (ppm)	CeO ₂	Dy ₂ O ₃	Er ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Ho ₂ O ₃	La ₂ O ₃	Lu ₂ O ₃	Nd ₂ O ₃	Pr ₆ O ₁₁	Sm ₂ O ₃	Tb ₄ O ₇	Tm ₂ O ₃	Yb ₂ O ₃	Y ₂ O ₃
837254	226307.00	6284904.00	206	135	70	68	56.58	5.87	3.50	1.47	8.18	1.15	25.45	0.43	38.35	6.90	8.12	1.01	0.50	2.86	45.43
837255	226057.00	6284904.00	76	52	24	28	19.43	2.19	1.31	0.61	3.02	0.44	10.86	0.18	16.09	2.85	3.10	0.36	0.19	1.16	14.47
837256	226057.00	6284654.00	58	40	18	21	14.76	1.62	0.99	0.45	2.30	0.31	8.39	0.13	12.30	2.21	2.38	0.28	0.14	0.81	10.48
837257	226307.00	6284654.00	288	211	78	94	99.26	6.76	3.93	1.93	9.44	1.31	34.13	0.52	57.77	9.33	10.04	1.18	0.58	3.43	48.60
837258	226557.00	6284654.00	53	37	16	19	15.50	1.54	0.89	0.45	2.10	0.30	6.12	0.11	11.59	1.81	2.15	0.26	0.14	0.81	8.91
837259	226807.00	6284654.00	252	160	93	89	66.67	7.62	4.40	2.28	10.75	1.66	22.87	0.58	47.97	9.81	12.19	1.18	0.64	3.69	60.02
837260	227057.00	6284654.00	145	99	46	52	43.05	4.47	2.72	1.24	6.19	0.97	15.01	0.35	28.72	5.68	6.77	0.68	0.39	2.17	26.52
837261	227307.00	6284654.00	93	65	28	36	24.35	2.72	1.62	0.80	3.94	0.58	11.24	0.22	20.42	4.12	4.61	0.42	0.24	1.39	15.86
837262	227557.00	6284654.00	124	81	43	47	29.27	4.13	2.55	1.22	5.64	0.90	14.66	0.32	25.73	5.24	6.08	0.62	0.37	2.03	24.87
837263	227807.00	6284654.00	75	50	25	29	18.94	2.49	1.49	0.71	3.34	0.55	8.62	0.20	15.74	3.12	3.67	0.38	0.22	1.30	14.47
837264	228057.00	6284654.00	312	199	113	109	84.13	9.74	5.65	2.61	13.33	2.06	29.33	0.78	58.43	11.62	15.13	1.52	0.83	4.89	71.70
837265	228186.00	6284779.00	215	155	60	82	67.16	6.30	3.58	1.81	9.33	1.29	22.29	0.50	45.32	9.11	11.48	1.00	0.51	3.03	32.36
837266	228186.00	6284529.00	296	218	78	97	93.48	6.41	3.76	1.52	9.79	1.35	43.87	0.51	56.94	11.48	11.92	1.05	0.55	3.16	50.13
837267	227936.00	6284529.00	211	163	48	71	83.39	5.04	2.94	1.24	6.60	1.05	21.35	0.42	43.49	7.38	7.69	0.74	0.45	2.64	26.40
837268	227685.00	6284529.00	81	56	25	31	21.28	2.49	1.50	0.76	3.39	0.54	10.05	0.22	17.26	3.39	3.75	0.38	0.22	1.33	14.34
837269	227807.00	6284404.00	84	59	25	32	23.00	2.43	1.45	0.75	3.47	0.53	10.39	0.18	18.09	3.58	3.85	0.36	0.21	1.17	14.47
837270	227557.00	6284404.00	48	33	15	17	11.18	1.50	0.95	0.37	1.87	0.33	8.68	0.14	9.36	1.98	2.04	0.22	0.15	0.84	8.78
837271	227434.00	6284279.00	109	75	34	41	28.91	3.41	2.03	1.01	4.54	0.73	13.14	0.28	23.24	4.52	5.06	0.51	0.30	1.71	19.54
837272	227307.00	6284404.00	121	79	42	45	30.38	4.16	2.55	1.13	5.41	0.90	13.14	0.34	24.90	4.74	5.76	0.61	0.37	2.15	23.98
837273	227057.00	6284404.00	82	57	24	32	21.89	2.44	1.45	0.74	3.60	0.53	9.61	0.22	18.26	3.54	4.10	0.39	0.22	1.25	13.58
837274	226807.00	6284404.00	125	85	40	48	32.35	3.74	2.34	1.12	5.29	0.80	14.66	0.31	26.89	5.27	5.97	0.56	0.33	1.91	23.60
837275	226557.00	6284404.00	147	112	35	54	47.97	3.81	2.39	1.09	5.12	0.84	19.71	0.35	31.21	6.63	6.46	0.58	0.38	2.29	18.53
837276	226307.00	6284404.00	171	121	51	63	52.77	5.14	3.07	1.45	7.16	1.13	18.06	0.44	34.86	6.85	8.04	0.79	0.45	2.58	28.43
837277	226057.00	6284404.00	103	72	31	39	28.04	3.17	1.89	0.94	4.27	0.66	12.43	0.26	22.08	4.32	4.87	0.48	0.29	1.60	17.89
837278	225932.00	6284279.00	50	39	11	19	15.74	1.15	0.64	0.39	1.73	0.25	6.93	0.10	11.52	2.26	2.06	0.19	0.09	0.56	5.89
837279	226057.00	6284154.00	60	43	18	23	16.36	1.73	1.04	0.49	2.48	0.38	7.81	0.15	13.08	2.57	2.78	0.27	0.15	0.89	10.09
837280	226307.00	6284154.00	106	74	32	40	28.91	3.11	1.93	0.94	4.30	0.69	12.67	0.27	22.74	4.46	4.88	0.47	0.29	1.65	18.27
837281	226557.00	6284154.00	164	116	48	58	51.17	4.61	2.85	1.33	6.40	1.01	18.65	0.40	32.87	6.50	7.12	0.69	0.41	2.36	27.54
837282	226807.00	6284154.00	127	88	39	48	34.69	3.70	2.25	1.15	5.30	0.82	15.01	0.30	27.39	5.28	5.84	0.58	0.33	1.83	22.72
837283	227057.00	6284154.00	89	54	36	33	20.17	3.42	2.14	0.88	4.24	0.77	8.77	0.28	17.10	3.31	4.33	0.49	0.32	1.84	21.32
837284	227307.00	6284154.00	148	107	41	52	48.34	3.93	2.35	1.13	5.53	0.85	17.13	0.30	29.71	5.87	6.19	0.60	0.35	1.95	23.60
837285	227184.00	6284029.00	179	129	50	63	56.33	4.89	2.93	1.25	6.87	1.06	22.05	0.39	35.86	7.33	7.76	0.75	0.42	2.31	28.93
837286	227057.00	6283904.00	76	50	26	28	19.68	2.78	2.00	0.49	2.98	0.62	8.68	0.33	15.27	3.02	3.45	0.38	0.32	2.08	13.96
837287	226807.00	6283904.00	148	109	40	52	48.95	3.74	2.24	1.13	5.44	0.81	17.13	0.33	30.38	5.85	6.30	0.58	0.34	1.92	23.22
837288	226557.00	6283904.00	94	70	24	36	27.55	2.41	1.52	0.75	3.40	0.53	12.43	0.23	21.41	4.22	4.18	0.38	0.24	1.43	13.45
837289	226307.00	6283904.00	93	66	28	36	25.46	2.75	1.65	0.82	3.94	0.60	11.30	0.23	20.42	3.96	4.48	0.42	0.24	1.37	15.74
837290	226057.00	6283904.00	66	48	18	26	18.33	1.79	1.07	0.61	2.68	0.39	8.23	0.15	14.87	2.96	3.26	0.29	0.16	0.94	9.94
102222	226431.60	6285528.68	51	34	18	20	12.42	1.88	1.14	0.58	2.31	0.40	5.88	0.16	10.64	2.19	2.59	0.28	0.17	0.98	9.82
102223	225681.60	6285278.68	136	94	42	53	35.42	4.21	2.61	1.37	5.84	0.94	16.42	0.35	29.88	5.99	6.66	0.62	0.38	2.20	23.48

Sample Number	Easting	Northing	TREO (ppm)	LREO (ppm)	HREO (ppm)	MREO (ppm)	CeO ₂	Dy ₂ O ₃	Er ₂ O ₃	Eu ₂ O ₃	Gd ₂ O ₃	Ho ₂ O ₃	La ₂ O ₃	Lu ₂ O ₃	Nd ₂ O ₃	Pr ₆ O ₁₁	Sm ₂ O ₃	Tb ₄ O ₇	Tm ₂ O ₃	Yb ₂ O ₃	Y ₂ O ₃
102224	227681.60	6285028.68	392	264	128	115	119.19	9.65	5.66	2.11	12.54	1.77	52.67	0.56	67.23	11.15	13.44	1.59	0.77	4.53	88.83
102225	225181.60	6284528.69	63	44	19	23	16.97	1.79	1.05	0.51	2.45	0.33	8.60	0.11	13.18	2.28	2.81	0.29	0.15	0.96	11.43
102226	226931.60	6284278.69	174	127	47	58	59.41	4.38	2.57	1.35	6.23	0.80	20.88	0.26	34.03	5.64	7.01	0.74	0.34	2.16	28.55

***TREO (Total Rare Earth Oxide) = La₂O₃ + CeO₂ + Pr₆O₁₁ + Nd₂O₃ + Sm₂O₃ + Eu₂O₃ + Lu₂O₃ + Gd₂O₃ + Tb₄O₇ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃ + Y₂O₃**

***LREO (Light Rare Earth Oxide) = La₂O₃ + Ce₂O₃ + Pr₂O₃ + Nd₂O₃ + Sm₂O₃**

***HREO (Heavy Rare Earth Oxide) = Eu₂O₃ + Gd₂O₃ + Tb₂O₃ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃ + Y₂O₃ + Lu₂O₃**

***MREO (Magnetic Rare Earth Oxide) = Pr₂O₃ + Nd₂O₃ + Sm₂O₃ + Gd₂O₃ + Tb₂O₃ + Dy₂O₃**

Annexure: JORC Table 1

Section 1: Sampling Techniques and Data for the Mt Cattlin Gold Copper Project

Criteria	JORC Code explanation	Commentary
Sampling Techniques	Nature and quality of sampling	- Soil geochemical samples used for low detection level multi-element analysis are collected at the bottom of auger holes between 0.5 to 1.0m depth. A 200g -2mm fraction of the auger sample is submitted to the laboratory for extraction of the -7micron ultra fine fraction. - The residue and pulps of these samples are retained in the event additional sampling or check sampling is required.
Quality of assay data and laboratory tests	- The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial of total. - 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. - 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.	- The QA/QC data includes laboratory standards, duplicates and checks. - The -7-micron geochemical samples are dissolved by 4 acid digest and analysis undertaken by ICP_MS for 61 elements. - Duplicate samples from each batch of samples submitted to the laboratory are submitted to verify consistency of assay results - LabWest Minerals Analysis undertakes the sample preparation and analysis.
Verification of sampling and assaying	- The verification of significant intersections by either independent or alternative company personnel. - The use of twinned holes. - Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. - Discuss any adjustment to assay data.	- All geochemical sampling is undertaken under the supervision of an experience Geologist and the Managing Director. - Experienced field personnel and the application of formal comprehensive cross-check systems ensure the accuracy of sampling. - All sample locations and assay data is uploaded, checked for validity and entered into the Company's relational database. - Electronic copies of all the data is backed up daily in Traka's office. - No adjustments of assay data are considered necessary. - Conversion of elemental analysis (REE parts per million) to oxide (REO parts per million) was using the below element to oxide conversion factors

Criteria	JORC Code explanation	Commentary		
		Element	Oxide	Conversion Factor
		Cerium	CeO ₂	1.2284
		Dysprosium	Dy ₂ O ₃	1.1477
		Erbium	Er ₂ O ₃	1.1435
		Europium	Eu ₂ O ₃	1.1579
		Gadolinium	Gd ₂ O ₃	1.1526
		Holmium	Ho ₂ O ₃	1.1455
		Lanthanum	La ₂ O ₃	1.1728
		Lutetium	Lu ₂ O ₃	1.1371
		Neodymium	Nd ₂ O ₃	1.1664
		Praseodymium	Pr ₆ O ₁₁	1.2082
		Samarium	Sm ₂ O ₃	1.1596
		Terbium	Tb ₂ O ₃	1.151
		Yttrium	Y ₂ O ₃	1.2699
		Ytterbium	Yb ₂ O ₃	1.1387
Location of data points	- 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. - Specification of the grid system used.	Hand-held GPS is used to locate all geochemical sampling positions. Calibration and cross reference to orthophotos, topographic and geological maps are used as a cross reference to the GPS calculated position. The GDA94 Zone 51 datum is used the co-ordinate system.		
Data spacing and distribution	- Data spacing for reporting of Exploration Results. - Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resources and Ore Reserve estimation procedure(s) and classifications applied. - Whether sample compositing has been applied.	- Geochemical spacing for the low level multi-element geochemical survey was 250m x 250m square now being expanded and infilled in areas of interest. - A second infill sampling program at 125m x 125m spacing was undertaken and the data for the original compared for continuity and then merged.		
Orientation of data in relation to geological structure	- Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. - 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.	Geochemical samples entirely encompass a 3.5km wide elliptical zone define by interpretation of aeromagnetics and all within the Mt Cattlin tenement boundary.		
Sample security	The measure taken to ensure sample security.	Samples are uniquely numbered and individually bagged for submission to the Laboratory. The nature and position of each sample is recorded on a notebook and GPS and this data subsequently entered into a secure data base. Detailed records are kept of all samples that are dispatched, including details of chain of custody.		
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	- Data is validated when loading into the database. No formal external audit has been conducted. - The 3D geochemical footprint modelling method assumes the presence of a mineralised intrusive with a typical alteration halo and associated geochemical footprint. The model is moved in space to best fit the data. - Independent expert consultants with appropriate experience in this methodology have been used to assist with the 3D model produced.		

Section 2 – Reporting of Exploration Results for the Mount Mt Cattlin North Gold Project

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	- Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. - The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	- The Mount Cattlin Gold Project is located on EL74/401, PL74/373 and PL74/370 Ltd. - An agreement with Galaxy gives Traka the right to gold and all other commodities on these tenements. - Access Agreement have been entered into with the relevant landowners and all work is done with their permission.
Exploration done by other parties	Acknowledgement and appraisal of exploration by other parties.	The source of historic data has been acknowledged and its validity comprehensively checked before use in the project assessment
Geology	Deposit type, geological setting and style of mineralisation.	This style mineralisation being evaluated is Archean aged shear and intrusive related gold and copper mineralisation.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Refer to Figures in the body of text.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of exploration results.	All relevant information is reported for a project at an early exploration level of evaluation.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	- An Aeromagnetic Survey was undertaken by MAGSPEC Airborne Surveys under the supervision of Geophysists from Explore Geo Pty Ltd. Survey Specifications: Aircraft - Cessna 206 VH-HIS Data Acquisition – sample rate 20Hz (3.5m), Novatel OEM DGPS, High Precision caesium vapour magnetometer G-823A with 3 -axis fluxgate compensation Gamma-Ray spectrometer - RSI RS-500 with 2 x RSX 4 detector packs Base Station - GEM GSM-19 sampling at 1 second was used for all corrections. Navigation – Novatel OEM719 DGPS receiver The MobileMT survey completed at Mt Cattlin was undertaken by Expert Geophysics using a Bell 206 Long Ranger helicopter. - Flight lines were east-west 200m apart for a total of 122km. The helicopter was flown at about 140 -150m above surface and the Mobile MT bird hung below to about 40m to 60m above surface - Electromagnetic data was recorded at 73,728Hz and processed 2 times every second to achieve about 11m sample interval along the line at the 80-100km/hr flight speed. - Airborne magnetic data was recorded at 10Hz resulting in data every 2.2m along line

Criteria	JORC Code explanation	Commentary
		- The following instrument were used - MOBILEMT towed bird - Geometrics G822A Cesium Magnetometer - EGGPS navigation system - Smartmicro UMRR 0A altimeter Processing of the Mobile MT data was completed by independent experts CompGeoINC. Full validation and processing of the MOBILMT data was completed and plotted using GDA94 MGA UTM 51 datum. A full inversion of the data was completed enabling CGI's proprietary EM/MT program. Supervision of the MobileMT survey and subsequent processing of the results was completed by Traka's independent Geophysical Consultant Kim Frankcombe (ExploreGeo)
Further work	- The nature and scale of planned further work (eg test for lateral extensions or depth extensions or large-scale step-out drilling). - Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	- The assessment of data is ongoing. - Future work will include drilling to test the know and new targets - Diagrams with explanatory comments are presented as they come to hand and are reported.