



“Venus Metals Corporation holds a significant and wide-ranging portfolio of Australian gold, copper, base metals, vanadium, lithium and REE exploration projects in Western Australia that has been carefully assembled over time.”

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29 August 2024



MARVEL LOCH EAST PROJECT Exploration Update

Venus Metals Corporation Limited (“Venus” or the “Company”) is pleased to provide an update on exploration results from its Marvel Loch East Project, including the preliminary results of a recent ground gravity geophysical survey programme and assay data from ongoing geochemical programmes.

SUMMARY:

- Reconnaissance gravity surveys completed over two regional gravity anomalies outlined in the wide spaced government dataset and semi-coincident with magnetic anomalies.
- The northern survey confirmed the regional gravity responses defining three anomalies (N1 to N3) up to 1.5mgal ranging in extent from 600m to 1km.
- Anomaly N1 is closely associated with an east-west magnetic dyke and is considered potentially similar to the Jimberlana Dyke which can be prospective for base metal mineralisation.
- The southern survey did not confirm the regional gravity response but defined two anomalous responses (S1 to S2) associated with a magnetic aureole surrounding a granite.
- Widely spaced (200m x 200m) soil sampling over gravity anomaly S1 shows anomalous REE values (up to 529ppm TREO).

Project Background

The Marvel Loch East Project is located about 60 km east of Marvel Loch and 140 km southwest of Kalgoorlie, Western Australia (Figure 1). The project consists of two granted exploration licences (E15/1796, E15/1946) for a total area of 105 blocks (307 km²).

Geologically, the project is within the Southern Cross Domain of the Archaean Yilgarn Craton and covers extensive areas of poorly outcropping granitic rocks that locally contain rafts of greenstone rocks and are intruded by laterally extensive mafic dykes. Exploration by Venus shows that the project area is prospective for Rare Earth Element (REE) mineralisation (refer VMC ASX releases 14 March 2023, 30 September 2022) and is also considered to have potential for gold and base metal mineralisation, particularly in association with late dykes (refer VMC ASX releases 21 January 2024).



The Company commissioned a high-resolution aeromagnetic survey over sections of the project tenements in early 2023 (refer VMC ASX releases 27 January 2023). Comparison of the aeromagnetic survey results with available wide-spaced (2km) government gravity data outlined several gravity anomalies semi-coincident to magnetic features. One area was selected for follow-up high-resolution ground gravity survey in early 2024 (refer VMC ASX releases 21 January 2024). The current report describes two additional reconnaissance ground gravity surveys that were completed over two broad but discrete gravity anomalies to confirm and further define the location and significance of the regional gravity anomalies (Figures 2,3). Before the start of the latest ground gravity survey, Venus also initiated a soil sampling programme over all three identified regional gravity anomalies, for a total of 200 samples (Figure 1).

Current Work

Two reconnaissance gravity surveys (North and South) were conducted in late July 2024, comprising 500m to 800m spaced lines with 200m station spacing for a total of 244 gravity readings (Figures 2,3).

The northern gravity survey within tenement E15/1946 (Figure 4) successfully confirmed and further defined the regional gravity outlining a circular gravity anomaly of 1 – 1.5mgal approximately 1km in size appearing coincident with magnetic mafic dykes (**N1**). In addition, two other gravity anomalies up to 1km in extent were defined (**N2** and **N3**). 3D inversion modelling was completed on the gravity survey and suggest the anomalies start at shallow (within 50m) depth below recent cover (Figure 6).

The close association of gravity anomaly **N1** with an east-west magnetic dyke is considered a possible analogue to the Jimberlana Dyke which is prospective for base metal mineralisation. Anomaly **N2** is associated with a north-east trending magnetic unit that may represent rafts of mafic and ultramafic rocks potentially prospective for gold mineralisation.

The southern gravity survey within tenement E15/1796 did not confirm the regional gravity anomaly, which is considered to be a gridding artefact generated by the wide spaced data. Several responses <0.4mgal (**S1** and **S2**), were evident which appear to correlate to shallow magnetite concentration in aureoles around a granitic intrusion (Figure 5).

Assay results for the recent soil sampling programme are summarised in Table 1. This table also contains data for 11 rock chip samples that were collected from the northern gravity survey area to complement the soil sampling. Anomalies in REE (up to 529ppm TREO) are defined in soils from the southern survey area and are broadly coincident with gravity anomaly **S1**. Soil sampling in this area was an infill programme (200m x 200m) over REE anomalies identified during a previous reconnaissance (ultrafine) soil sampling (refer VMC ASX releases 30 September 2022).

Recent soil samples collected from the northern gravity survey area are not considered anomalous in base metals but it should be noted that the sampling did not cover the newly defined **N1** gravity anomaly. A new geochemical sampling programme is planned to test that area for any possible Jimberlana-style base metal mineralisation.



Future Work

Priority is given to exploring the base metal and gold potential of the tenements. Further infill gravity surveys are being considered to refine the extent of the anomalies along with the follow up ground sampling/geochemistry. Electromagnetic surveys will be used to confirm the presence of any massive sulphides over anomalous base metal geochemistry results.

This announcement is authorised by the Board of Venus Metals Corporation Limited.

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Competent Person's Statement

The information in this announcement that relates to geophysical (gravity) data interpretation and modelling is based on information compiled by Mr M. Cooper who is a member of The Australian Institute of Geoscientists. Mr Cooper is Principal Geophysicist of Core Geophysics Pty Ltd who are consultants to Venus Metals Corporation Limited. Mr Cooper has sufficient experience which is relevant to the activity which he is 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. Mr Cooper consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation compiled by Dr F. Vanderhor, Geological Consultant of Venus Metals Corporation Ltd, who is a member of The Australian Institute of Geoscientists (AIG). Dr Vanderhor has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Vanderhor consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Venus Metals Corporation Limited planned exploration program and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may", "potential," "should," and similar expressions are forward-looking statements. Although Venus Metals Corporation Ltd believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results will be consistent with these forward-looking statements.

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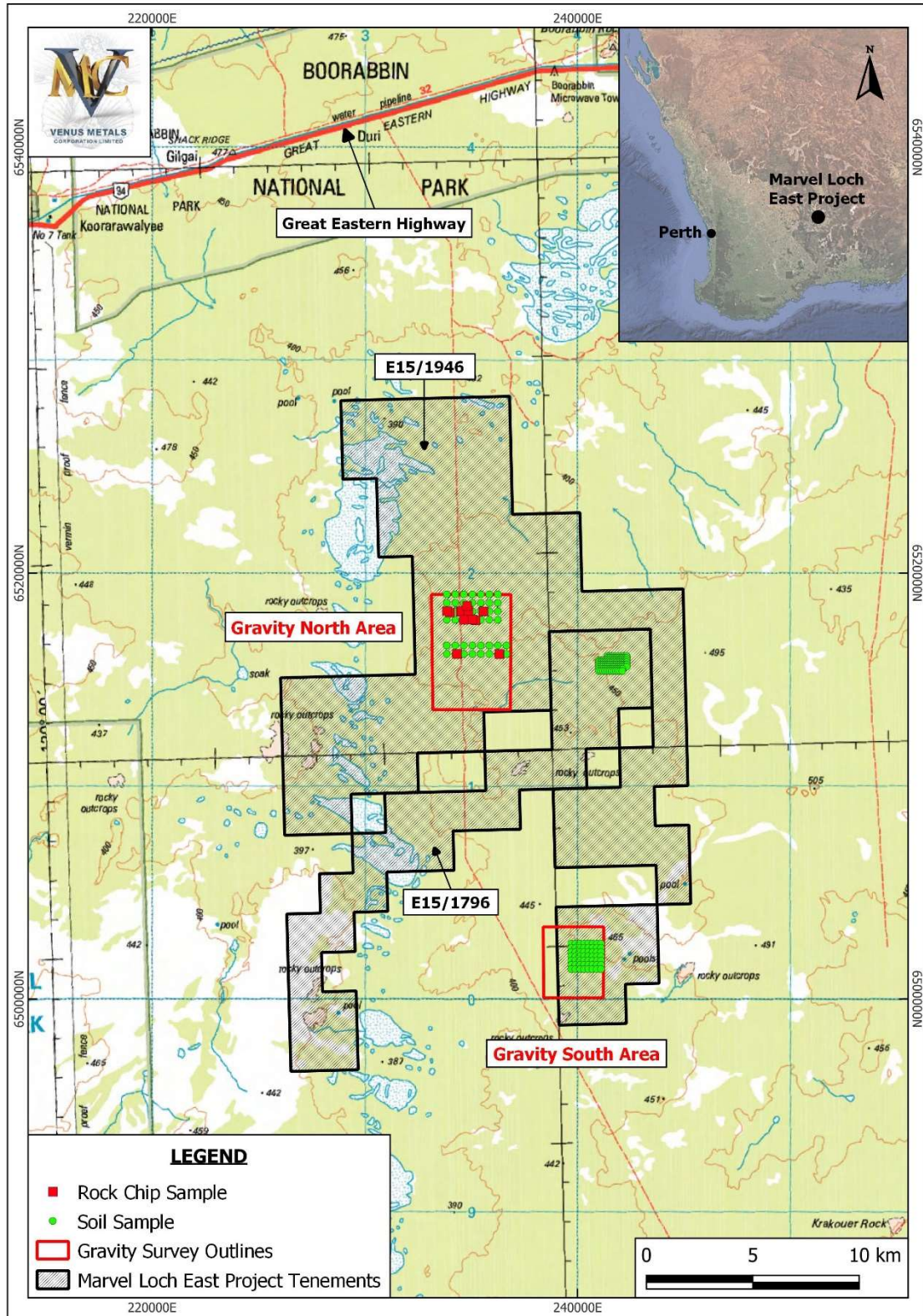


Figure 1: Marvel Loch East Project location map with location of reported samples.

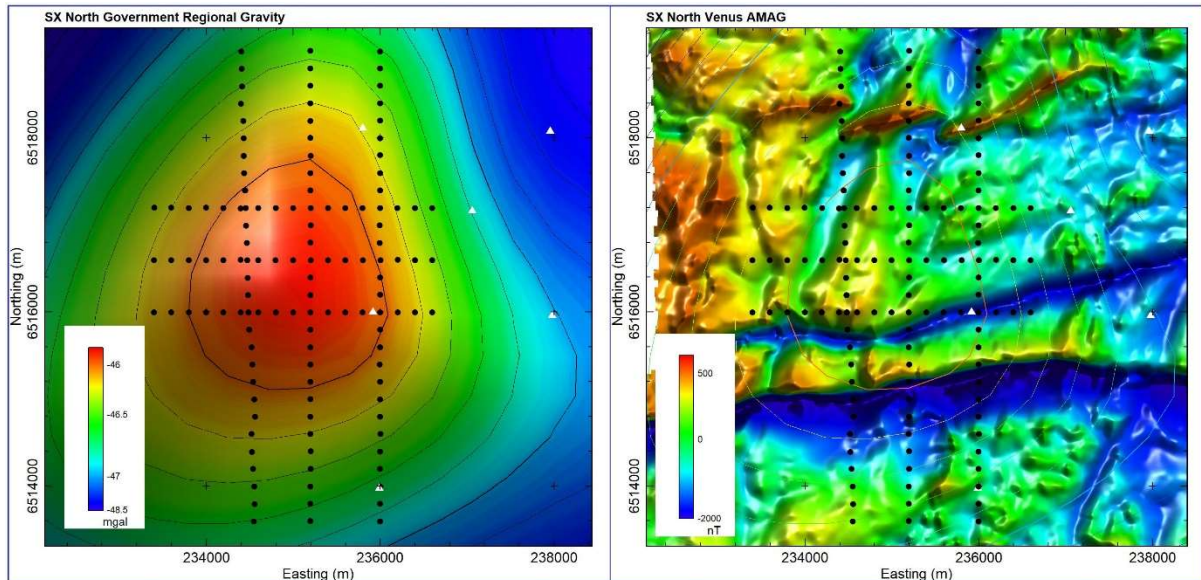


Figure 2. North Survey regional gravity anomaly (left), regional gravity contours over high resolution magnetics (right), with regional gravity stations (triangles) and new survey (dots).

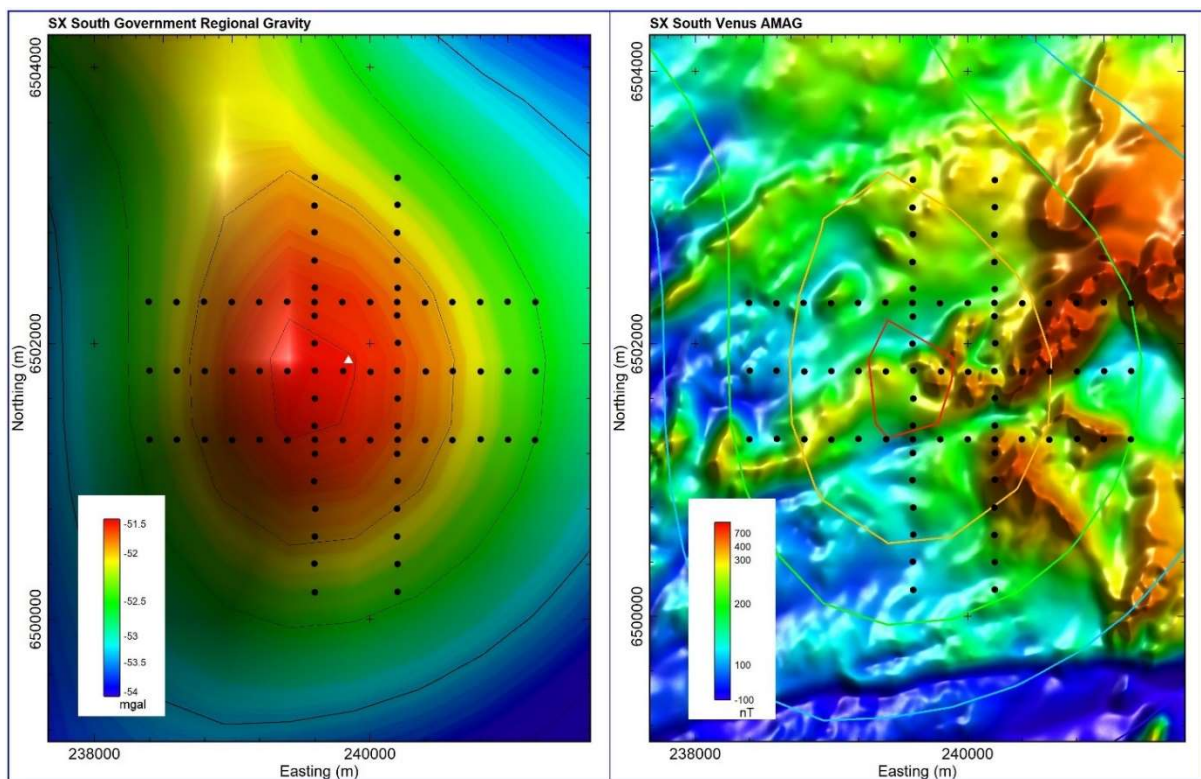


Figure 3. South Survey regional gravity anomaly (left), regional gravity contours over high resolution magnetics (right) with regional gravity stations (triangles) and new survey (dots).

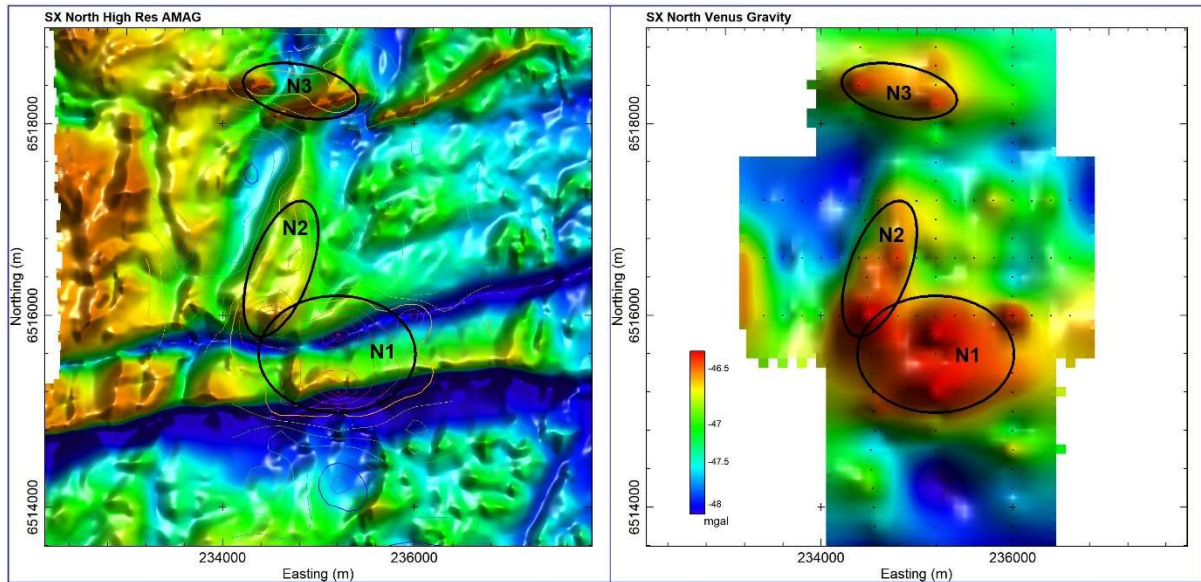


Figure 4. North Survey bouguer gravity contours over TMI (left) and gravity (right).

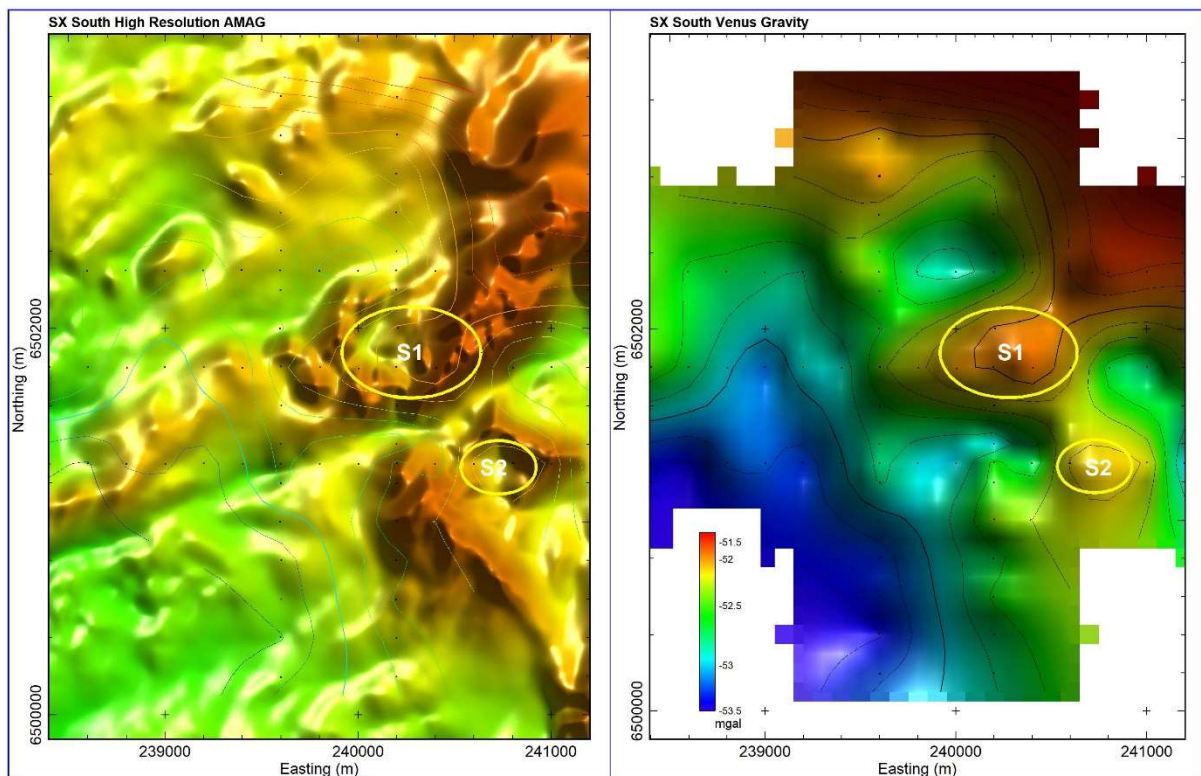


Figure 5. South Survey bouguer gravity contours over TMI (left) and gravity (right).

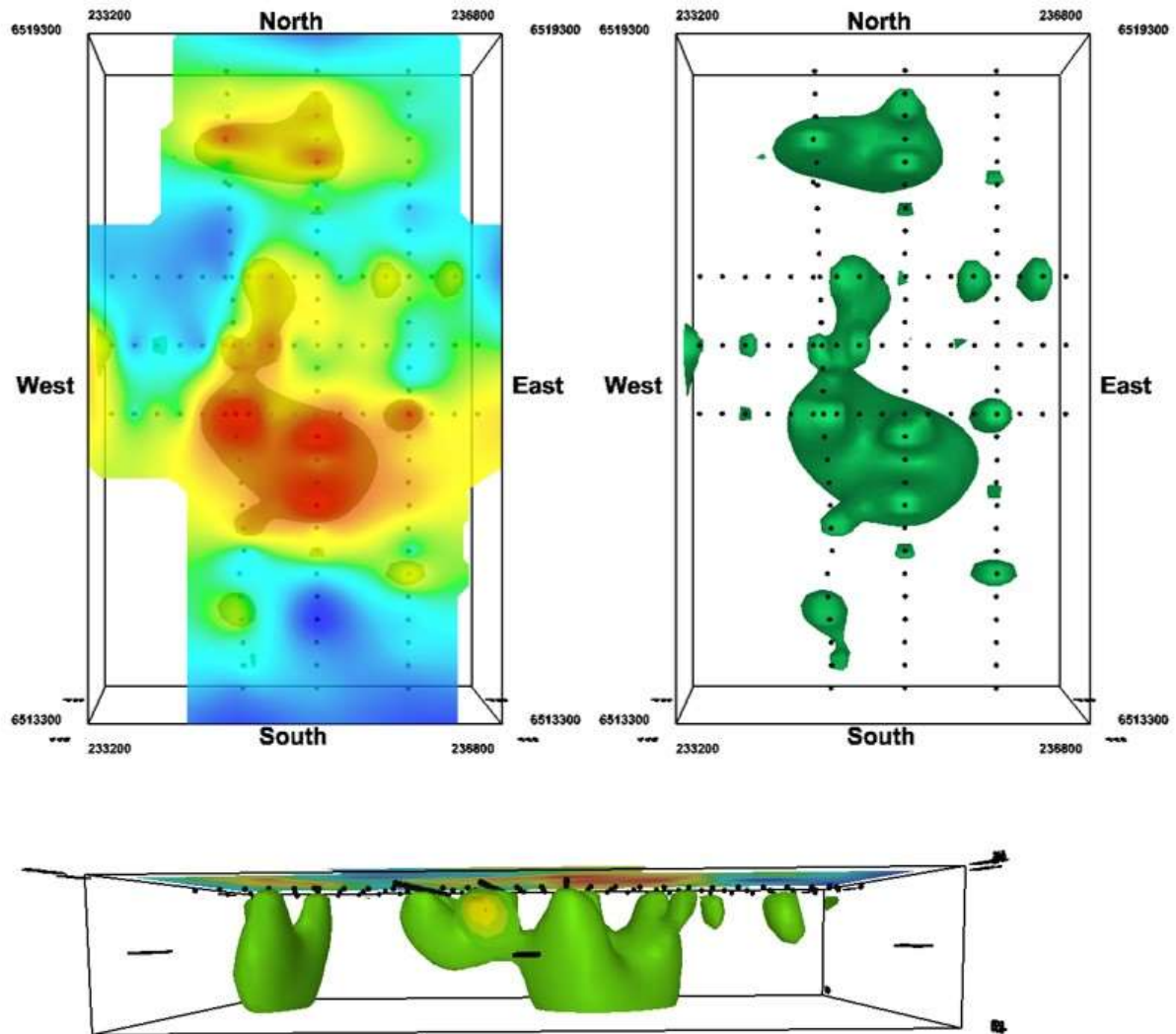


Figure 6. North Survey, gravity3D inversion results with views looking down (top) and looking east (bottom).

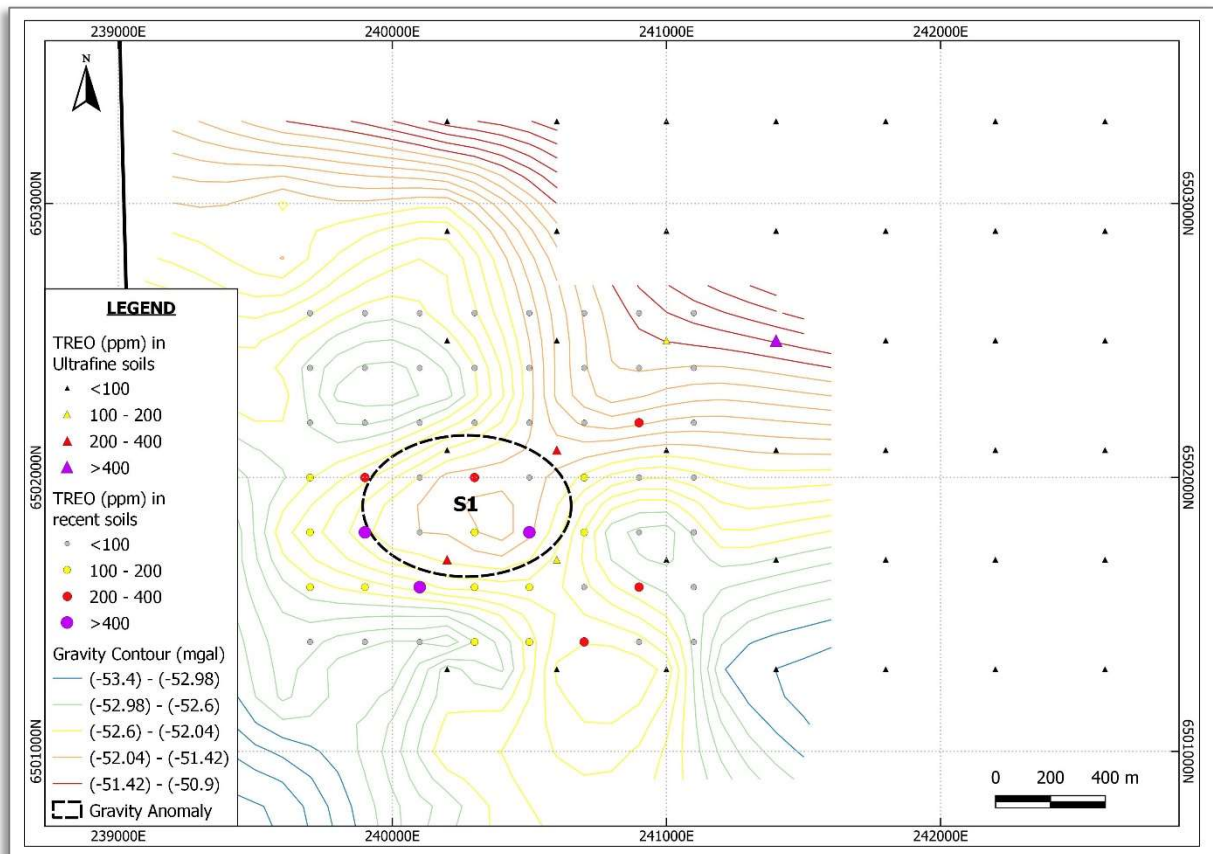


Figure 7. South Survey Area. Plot of recent soil samples with TREO concentrations over contoured gravity data. Shown also are results of previous reconnaissance (ultrafine) soil sampling (Refer VMC ASX releases 30 September 2022).

Table 1. Analyses for collected soil samples and rock chip samples.

Sample_ID	Easting	Northing	Type	Cu	Pb	Zn	Ni	Cr	TREO	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24070001	241400	6516100	soil	4.5	6.6	6.0	17.1	46.0	28	5.3	13.1	1.4	5.0	0.9	0.2	0.7	0.1	0.7	0.1	0.3	0.0	0.3	0.0
24070002	241500	6516100	soil	3.0	7.4	12.0	17.7	31.0	36	7.4	16.7	1.9	6.0	1.1	0.2	1.0	0.1	0.8	0.1	0.5	0.1	0.4	0.1
24070003	241600	6516100	soil	3.1	7.7	6.0	17.6	34.0	44	6.7	24.8	1.7	6.0	1.2	0.3	0.9	0.1	0.8	0.2	0.4	0.1	0.4	0.1
24070004	241700	6516100	soil	7.3	9.0	10.0	27.1	57.0	64	11.3	30.2	3.2	11.2	2.1	0.4	1.7	0.3	1.4	0.3	0.9	0.1	0.8	0.1
24070005	241800	6516100	soil	6.0	5.8	10.0	20.3	50.0	43	7.7	20.5	2.1	7.3	1.5	0.3	1.2	0.2	1.0	0.2	0.5	0.1	0.5	0.1
24070006	241900	6516100	soil	6.8	8.7	11.0	36.5	52.0	55	9.9	24.7	2.9	9.8	2.0	0.4	1.5	0.2	1.4	0.3	0.7	0.1	0.7	0.1
24070007	242000	6516100	soil	4.7	4.4	8.0	16.8	33.0	26	5.5	11.9	1.3	4.4	0.8	0.2	0.7	0.1	0.6	0.1	0.3	0.1	0.3	0.0
24070008	242100	6516100	soil	2.9	7.7	9.0	17.7	30.0	33	5.9	15.0	1.7	5.8	1.2	0.2	0.9	0.2	0.8	0.1	0.4	0.1	0.5	0.1
24070009	242200	6516100	soil	4.9	6.0	14.0	15.8	40.0	31	5.5	13.8	1.6	5.9	1.1	0.2	0.9	0.1	0.8	0.2	0.4	0.1	0.4	0.1
24070010	242300	6516100	soil	2.7	6.7	16.0	17.6	29.0	34	6.6	14.6	1.8	6.7	1.1	0.2	0.9	0.1	0.9	0.1	0.4	0.1	0.4	0.1
24070011	241400	6516000	soil	2.7	6.4	18.0	16.0	34.0	32	6.0	14.1	1.6	6.0	0.9	0.2	0.9	0.1	0.7	0.1	0.4	0.1	0.4	0.1
24070012	241500	6516000	soil	5.8	5.9	19.0	17.8	32.0	24	4.9	10.9	1.2	4.2	0.8	0.2	0.5	0.1	0.6	0.1	0.3	0.0	0.5	0.1
24070013	241600	6516000	soil	3.7	7.5	6.0	15.5	34.0	27	5.4	12.2	1.3	4.4	0.8	0.2	0.8	0.1	0.6	0.1	0.3	0.0	0.4	0.1
24070014	241700	6516000	soil	4.0	5.5	8.0	17.6	45.0	24	4.2	11.4	1.2	4.1	0.9	0.2	0.7	0.1	0.6	0.1	0.3	0.1	0.4	0.0
24070015	241800	6516000	soil	4.7	2.3	10.0	18.2	44.0	33	6.2	14.5	1.6	5.5	1.4	0.2	1.0	0.1	0.8	0.1	0.4	0.1	0.4	0.1
24070016	241900	6516000	soil	4.4	10.9	14.0	25.2	40.0	45	8.3	20.5	2.3	7.9	1.5	0.3	1.3	0.2	1.2	0.2	0.6	0.1	0.5	0.1
24070017	242000	6516000	soil	5.7	6.1	7.0	24.0	61.0	51	8.7	22.4	2.5	10.1	2.0	0.4	1.5	0.2	1.4	0.2	0.8	0.1	0.7	0.1
24070018	242100	6516000	soil	4.3	5.8	11.0	17.8	48.0	30	5.0	13.0	1.4	5.1	1.1	0.2	0.8	0.1	0.8	0.1	2.1	0.1	0.4	0.0
24070019	242200	6516000	soil	4.7	6.0	7.0	20.3	46.0	38	7.2	17.1	1.9	7.1	1.3	0.3	1.2	0.2	0.9	0.2	0.6	0.1	0.5	0.1
24070020	242300	6516000	soil	7.1	6.0	6.0	17.8	59.0	30	5.9	13.4	1.5	5.4	1.0	0.2	0.9	0.1	0.7	0.1	0.5	0.1	0.4	0.1
24070021	241000	6515900	soil	2.8	3.9	14.0	19.7	50.0	20	3.8	9.1	1.0	3.2	0.6	0.1	0.6	0.1	0.6	0.1	0.3	0.1	0.3	0.0
24070022	241100	6515900	soil	3.5	5.5	11.0	18.5	56.0	28	5.3	12.5	1.4	5.2	1.1	0.2	0.7	0.1	0.7	0.1	0.4	0.1	0.4	0.1
24070023	241200	6515900	soil	4.3	5.2	5.0	18.6	51.0	24	4.7	10.8	1.3	4.3	0.7	0.2	0.6	0.1	0.6	0.1	0.4	0.1	0.3	0.0
24070024	241300	6515900	soil	5.3	3.4	5.0	19.1	51.0	25	4.8	11.2	1.2	4.3	0.9	0.2	0.7	0.1	0.6	0.1	0.3	0.1	0.4	0.1
24070025	241400	6515900	soil	3.5	7.2	7.0	17.1	48.0	27	4.8	11.8	1.4	5.0	1.0	0.2	0.7	0.1	0.8	0.1	0.5	0.1	0.5	0.1
24070026	241500	6515900	soil	3.5	5.1	2.0	10.2	24.0	15	3.2	6.5	0.7	2.4	0.5	0.1	0.3	0.1	0.3	0.1	0.2	0.0	0.2	0.0
24070027	241600	6515900	soil	5.6	6.6	8.0	18.4	47.0	32	6.1	14.0	1.6	5.7	1.1	0.2	0.9	0.2	0.7	0.1	0.4	0.1	0.4	0.0
24070028	241700	6515900	soil	6.1	5.4	12.0	19.5	45.0	22	4.3	9.5	1.2	4.1	0.7	0.2	0.7	0.1	0.6	0.1	0.3	0.0	0.3	0.0
24070029	241800	6515900	soil	3.7	4.4	17.0	18.1	33.0	30	5.7	13.0	1.5	5.6	1.0	0.2	1.0	0.1	0.8	0.1	0.4	0.1	0.4	0.0
24070030	241900	6515900	soil	2.8	6.9	6.0	20.0	32.0	44	8.6	19.7	2.3	7.9	1.5	0.3	1.2	0.2	0.9	0.2	0.6	0.1	0.5	0.1
24070031	242000	6515900	soil	5.6	6.6	11.0	19.9	33.0	35	6.7	14.4	1.9	7.0	1.1	0.3	1.0	0.1	0.9	0.2	0.5	0.1	0.7	0.1
24070032	242100	6515900	soil	5.0	7.9	13.0	19.5	37.0	31	5.5	13.8	1.5	5.6	1.3	0.2	0.9	0.1	0.7	0.1	0.5	0.1	0.4	0.1
24070033	242200	6515900	soil	4.6	8.0	10.0	18.6	43.0	28	5.0	12.5	1.4	5.4	1.0	0.2	0.8	0.1	0.7	0.1	0.4	0.0	0.3	0.0
24070034	242300	6515900	soil	7.1	8.1	13.0	18.1	45.0	35	6.1	15.0	1.8	6.9	1.2	0.3	1.1	0.2	0.9	0.2	0.5	0.1	0.5	0.1
24070035	241000	6515800	soil	4.4	6.0	16.0	20.3	48.0	20	3.5	8.2	1.0	3.7	0.9	0.2	0.6	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070036	241100	6515800	soil	3.3	3.8	4.0	18.7	39.0	17	3.3	7.6	0.9	2.7	0.6	0.1	0.6	0.1	0.5	0.1	0.3	0.1	0.3	0.0
24070037	241200	6515800	soil	6.6	6.0	6.0	17.7	41.0	21	3.9	9.5	1.1	3.6	0.8	0.2	0.6	0.1	0.6	0.1	0.3	0.1	0.3	0.0
24070038	241300	6515800	soil	4.3	8.0	10.0	23.6	38.0	22	4.0	10.2	1.1	3.6	0.8	0.1	0.6	0.1	0.6	0.1	0.4	0.1	0.4	0.0

Sample_ID	Easting	Northing	Type	Cu	Pb	Zn	Ni	Cr	TREO	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24070039	241400	6515800	soil	16.4	8.7	9.0	36.0	46.0	28	5.6	12.9	1.3	4.7	0.9	0.2	0.8	0.1	0.7	0.1	0.4	0.1	0.3	0.0
24070040	241500	6515800	soil	10.7	10.8	41.0	29.3	47.0	23	3.9	9.8	1.1	4.5	1.0	0.2	0.6	0.1	0.6	0.1	0.3	0.0	0.3	0.0
24070041	241600	6515800	soil	4.0	5.4	5.0	14.1	27.0	14	2.7	6.3	0.6	2.5	0.4	0.1	0.4	0.1	0.3	0.1	0.2	0.0	0.2	0.0
24070042	241700	6515800	soil	5.9	3.9	7.0	26.5	33.0	22	4.1	9.7	1.2	4.2	0.7	0.2	0.6	0.1	0.6	0.1	0.4	0.0	0.3	0.0
24070043	241800	6515800	soil	10.6	5.1	8.0	19.1	43.0	23	4.0	10.3	1.2	4.2	1.0	0.2	0.7	0.1	0.8	0.1	0.4	0.1	0.4	0.0
24070044	241900	6515800	soil	15.1	8.0	8.0	21.8	42.0	34	6.3	16.0	1.6	5.8	1.1	0.2	1.0	0.2	0.9	0.2	0.5	0.1	0.5	0.1
24070045	242000	6515800	soil	19.4	7.5	11.0	29.2	56.0	36	6.1	16.3	1.7	6.4	1.2	0.3	1.2	0.2	1.0	0.2	0.6	0.1	0.5	0.1
24070046	242100	6515800	soil	11.6	6.9	8.0	23.8	56.0	32	5.6	14.0	1.7	5.9	1.3	0.3	0.9	0.2	0.9	0.2	0.5	0.1	0.5	0.1
24070047	242200	6515800	soil	13.6	8.2	16.0	22.1	56.0	38	6.7	16.8	1.9	7.0	1.4	0.3	1.2	0.2	1.1	0.2	0.5	0.1	0.5	0.1
24070048	242300	6515800	soil	11.0	8.2	7.0	24.7	68.0	22	4.1	10.3	1.1	3.7	0.8	0.2	0.6	0.1	0.6	0.1	0.3	0.0	0.4	0.0
24070049	241000	6515700	soil	5.6	8.3	19.0	20.5	47.0	23	4.9	8.8	1.3	4.9	0.8	0.2	0.7	0.1	0.6	0.1	0.4	0.0	0.3	0.0
24070050	241100	6515700	soil	3.7	8.0	18.0	15.8	40.0	16	3.0	7.4	0.8	2.6	0.6	0.1	0.5	0.1	0.4	0.1	0.2	0.0	0.4	0.1
24070051	241200	6515700	soil	3.7	6.1	5.0	21.8	48.0	22	4.2	10.0	1.1	3.7	0.6	0.2	0.6	0.1	0.5	0.1	0.3	0.1	0.3	0.0
24070052	241300	6515700	soil	5.2	7.4	21.0	19.2	43.0	21	4.2	9.6	1.1	3.6	0.8	0.1	0.6	0.1	0.5	0.1	0.3	0.1	0.3	0.0
24070053	241400	6515700	soil	3.3	4.3	5.0	19.1	36.0	14	2.6	6.3	0.7	2.8	0.6	0.1	0.4	0.1	0.4	0.1	0.2	0.0	0.2	0.0
24070054	241500	6515700	soil	6.5	6.7	7.0	20.8	40.0	27	5.4	10.6	1.4	5.6	1.0	0.2	0.9	0.1	0.7	0.1	0.4	0.1	0.4	0.0
24070055	241600	6515700	soil	5.1	4.3	16.0	14.8	41.0	19	3.6	8.1	1.0	3.5	0.6	0.2	0.5	0.1	0.5	0.1	0.2	0.0	0.3	0.0
24070056	241700	6515700	soil	9.0	7.8	10.0	19.8	44.0	26	5.6	10.1	1.5	5.1	0.9	0.2	0.8	0.1	0.6	0.1	0.4	0.0	0.3	0.0
24070057	241800	6515700	soil	7.5	9.5	6.0	20.5	33.0	29	5.6	13.4	1.5	5.0	1.0	0.2	0.8	0.1	0.7	0.1	0.4	0.0	0.4	0.0
24070058	241900	6515700	soil	10.0	9.7	6.0	21.8	44.0	37	7.0	17.0	1.9	6.4	1.1	0.2	1.0	0.2	0.8	0.2	0.5	0.1	0.5	0.1
24070059	242000	6515700	soil	8.6	10.1	6.0	21.0	46.0	40	8.1	18.1	1.9	6.7	1.3	0.2	1.1	0.2	1.0	0.2	0.5	0.1	0.6	0.1
24070060	242100	6515700	soil	6.8	8.1	6.0	20.1	57.0	25	4.7	12.2	1.1	4.1	0.8	0.1	0.7	0.1	0.5	0.1	0.4	0.1	0.4	0.0
24070061	242200	6515700	soil	7.2	7.8	9.0	20.0	58.0	23	4.7	10.3	1.1	3.8	0.7	0.2	0.6	0.1	0.6	0.1	0.4	0.1	0.3	0.0
24070062	242300	6515700	soil	7.5	6.2	13.0	20.4	40.0	22	4.2	10.0	1.1	3.6	0.8	0.2	0.7	0.1	0.6	0.1	0.4	0.1	0.3	0.0
24070063	241000	6515600	soil	2.3	5.9	2.0	18.5	35.0	20	3.6	8.7	1.0	3.4	0.8	0.2	0.6	0.1	0.6	0.1	0.3	0.1	0.3	0.0
24070064	241100	6515600	soil	5.9	7.2	8.0	14.0	31.0	25	4.0	11.2	1.2	4.5	0.9	0.2	0.7	0.1	0.7	0.1	0.4	0.1	0.4	0.1
24070065	241200	6515600	soil	5.8	6.1	4.0	15.7	37.0	19	3.6	8.6	0.9	3.4	0.6	0.1	0.6	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070066	241300	6515600	soil	4.6	6.3	9.0	17.8	43.0	19	3.5	8.7	0.8	3.1	0.6	0.1	0.5	0.1	1.0	0.1	0.3	0.0	0.3	0.0
24070067	241400	6515600	soil	6.1	6.0	14.0	18.3	41.0	20	4.2	8.7	1.0	3.4	0.6	0.1	0.6	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070068	241500	6515600	soil	6.3	8.3	7.0	14.2	38.0	24	4.8	10.2	1.2	4.4	0.8	0.2	0.6	0.1	0.6	0.1	0.3	0.0	0.3	0.0
24070069	241600	6515600	soil	6.2	8.2	7.0	21.4	55.0	26	4.7	12.0	1.2	4.4	0.9	0.2	0.7	0.1	0.7	0.1	0.4	0.1	0.4	0.1
24070070	241700	6515600	soil	7.8	8.2	5.0	19.2	46.0	24	4.6	10.4	1.1	4.2	1.0	0.2	0.7	0.1	0.6	0.1	0.4	0.1	0.5	0.1
24070071	241800	6515600	soil	5.2	4.7	3.0	18.1	50.0	24	4.6	10.9	1.2	4.2	0.6	0.2	0.6	0.1	0.6	0.1	0.4	0.1	0.4	0.0
24070072	241900	6515600	soil	5.5	6.9	7.0	20.2	47.0	28	5.7	12.0	1.5	5.1	1.0	0.2	0.9	0.1	0.8	0.1	0.4	0.1	0.4	0.1
24070073	242000	6515600	soil	2.8	8.0	4.0	19.7	56.0	22	4.0	10.1	1.1	3.9	0.8	0.2	0.6	0.1	0.5	0.1	0.4	0.1	0.5	0.1
24070074	242100	6515600	soil	6.4	9.7	10.0	21.4	61.0	29	5.0	13.4	1.3	4.8	1.1	0.2	0.9	0.1	0.7	0.1	0.5	0.1	0.4	0.1
24070075	242200	6515600	soil	5.6	5.8	5.0	20.7	57.0	21	4.0	9.5	1.0	3.7	0.8	0.1	0.5	0.1	0.5	0.1	0.4	0.1	0.4	0.0
24070076	242300	6515600	soil	6.8	9.0	7.0	21.1	58.0	19	3.4	8.4	1.0	3.6	0.6	0.1	0.6	0.1	0.5	0.1	0.4	0.1	0.4	0.0
24070077	241000	6515500	soil	5.6	6.7	2.0	16.2	44.0	20	3.8	8.4	1.1	3.7	0.7	0.2	0.5	0.1	0.6	0.1	0.3	0.1	0.3	0.0

Sample_ID	Easting	Northing	Type	Cu	Pb	Zn	Ni	Cr	TREO	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24070078	241100	6515500	soil	5.1	4.7	5.0	16.2	46.0	22	4.2	9.8	1.1	3.7	1.0	0.2	0.7	0.1	0.6	0.1	0.3	0.0	0.3	0.0
24070079	241200	6515500	soil	4.1	5.6	5.0	16.7	43.0	17	3.4	7.5	0.9	2.9	0.7	0.1	0.5	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070080	241300	6515500	soil	4.2	7.1	6.0	16.6	40.0	12	2.6	4.7	0.7	2.4	0.4	0.1	0.4	0.1	0.3	0.1	0.2	0.0	0.2	0.0
24070081	241400	6515500	soil	3.8	5.1	4.0	17.4	36.0	23	4.7	9.5	1.3	4.5	0.9	0.2	0.7	0.1	0.6	0.1	0.4	0.0	0.4	0.0
24070082	241500	6515500	soil	4.7	6.0	3.0	17.6	48.0	22	4.1	9.6	1.1	4.0	0.8	0.2	0.6	0.1	0.6	0.1	0.4	0.1	0.4	0.1
24070083	241600	6515500	soil	8.2	6.8	20.0	23.4	47.0	19	3.6	8.5	0.9	3.5	0.6	0.1	0.5	0.1	0.5	0.1	0.3	0.0	0.4	0.0
24070084	241700	6515500	soil	7.2	7.4	9.0	17.1	30.0	18	3.5	7.9	0.9	3.1	0.6	0.1	0.5	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070085	241800	6515500	soil	6.2	6.5	7.0	23.3	28.0	24	4.6	10.4	1.1	4.2	0.7	0.1	0.7	0.1	0.7	0.1	0.3	0.1	0.4	0.0
24070086	241900	6515500	soil	16.8	9.3	9.0	46.8	38.0	25	5.0	10.7	1.3	4.4	1.0	0.2	0.7	0.1	0.7	0.1	0.4	0.1	0.4	0.1
24070087	242000	6515500	soil	8.9	6.4	5.0	22.4	36.0	28	5.5	10.9	1.6	5.7	1.1	0.2	1.0	0.2	0.9	0.2	0.5	0.1	0.5	0.1
24070088	242100	6515500	soil	5.1	6.6	6.0	19.0	49.0	23	4.2	10.0	1.2	3.9	0.7	0.2	0.7	0.1	0.6	0.1	0.4	0.1	0.4	0.1
24070089	241000	6515400	soil	6.6	6.4	8.0	20.0	54.0	21	3.9	10.0	1.0	3.6	0.8	0.2	0.6	0.1	0.6	0.1	0.3	0.1	0.3	0.0
24070090	241100	6515400	soil	6.8	6.6	13.0	20.5	50.0	24	4.7	10.7	1.2	4.4	0.9	0.2	0.7	0.1	0.7	0.1	0.3	0.1	0.4	0.1
24070091	241200	6515400	soil	7.7	6.2	8.0	23.8	40.0	33	6.0	14.9	1.7	5.9	1.2	0.2	1.1	0.2	0.9	0.2	0.6	0.1	0.5	0.1
24070092	241300	6515400	soil	8.3	6.3	7.0	23.5	36.0	24	4.5	10.6	1.1	4.3	0.8	0.2	0.7	0.1	0.7	0.1	0.3	0.1	0.4	0.1
24070093	241400	6515400	soil	17.9	11.2	12.0	42.8	45.0	24	4.1	10.9	1.2	4.2	0.7	0.2	0.7	0.1	0.6	0.1	0.4	0.0	0.5	0.1
24070094	241500	6515400	soil	7.3	6.8	3.0	20.8	42.0	26	5.2	11.7	1.3	4.7	0.8	0.2	0.8	0.1	0.7	0.1	0.4	0.1	0.4	0.0
24070095	241600	6515400	soil	5.1	8.3	14.0	18.8	34.0	23	4.3	10.1	1.1	3.8	0.8	0.2	0.6	0.1	0.7	0.1	0.3	0.1	0.4	0.0
24070096	241700	6515400	soil	6.4	5.5	6.0	17.8	52.0	21	3.6	9.8	1.0	3.3	0.7	0.1	0.5	0.1	0.5	0.1	0.4	0.0	0.5	0.1
24070097	241800	6515400	soil	4.8	5.3	4.0	18.1	52.0	16	3.0	7.2	0.7	2.6	0.6	0.1	0.4	0.1	0.4	0.1	0.2	0.0	0.3	0.0
24070098	241900	6515400	soil	6.5	7.3	5.0	17.5	46.0	19	3.4	8.2	0.9	3.3	0.5	0.2	0.6	0.1	0.5	0.1	0.3	0.1	0.4	0.0
24070099	242000	6515400	soil	12.5	7.7	5.0	35.5	62.0	23	4.2	10.4	1.1	3.7	0.8	0.2	0.6	0.1	0.6	0.1	0.4	0.1	0.4	0.0
24070100	242100	6515400	soil	7.3	7.3	11.0	23.0	59.0	25	4.8	11.4	1.2	4.2	0.8	0.1	0.7	0.1	0.7	0.1	0.4	0.1	0.4	0.1
24070101	239700	6502600	soil	5.7	6.8	7.0	21.3	51.0	30	5.3	14.0	1.4	5.1	1.1	0.2	0.8	0.1	0.8	0.1	0.4	0.1	0.4	0.0
24070102	239900	6502600	soil	4.2	7.9	10.0	18.9	47.0	36	6.3	17.1	1.7	5.9	1.2	0.2	1.0	0.1	0.8	0.2	0.5	0.1	0.4	0.1
24070103	240100	6502600	soil	5.6	3.2	5.0	14.5	39.0	27	4.7	13.0	1.3	4.3	0.9	0.2	0.7	0.1	0.6	0.1	0.5	0.1	0.3	0.0
24070104	240300	6502600	soil	5.1	4.6	4.0	17.7	31.0	24	4.3	11.9	1.1	3.8	0.6	0.2	0.7	0.1	0.6	0.1	0.3	0.0	0.3	0.0
24070105	240500	6502600	soil	5.9	7.7	8.0	23.6	41.0	33	6.0	15.5	1.7	5.8	1.2	0.3	1.0	0.1	0.8	0.1	0.4	0.1	0.4	0.1
24070106	240700	6502600	soil	3.6	5.5	4.0	13.1	46.0	30	5.3	13.8	1.4	5.5	1.0	0.2	0.7	0.1	0.7	0.1	0.4	0.1	0.4	0.1
24070107	240900	6502600	soil	3.7	5.8	4.0	14.4	42.0	59	13.0	27.0	2.9	9.5	1.7	0.3	1.2	0.2	1.1	0.2	0.8	0.1	0.6	0.1
24070108	241100	6502600	soil	1.8	10.4	6.0	10.2	39.0	42	8.4	21.0	2.0	6.0	1.1	0.2	0.9	0.1	0.9	0.2	0.5	0.1	0.5	0.1
24070109	239700	6502400	soil	4.9	7.6	9.0	15.1	36.0	35	6.5	16.8	1.6	6.3	1.1	0.2	0.9	0.1	0.8	0.1	0.4	0.1	0.3	0.0
24070110	239900	6502400	soil	3.9	6.8	4.0	16.9	43.0	46	8.2	22.1	2.2	7.6	1.5	0.3	1.2	0.2	1.0	0.2	0.6	0.1	0.5	0.1
24070111	240100	6502400	soil	6.1	6.0	6.0	8.9	35.0	28	5.7	12.3	1.5	4.8	0.9	0.2	0.8	0.2	0.6	0.1	0.4	0.1	0.3	0.0
24070112	240300	6502400	soil	5.1	3.1	6.0	12.0	31.0	28	4.9	13.6	1.2	4.5	0.9	0.2	0.7	0.1	0.6	0.1	0.6	0.1	0.4	0.1
24070113	240500	6502400	soil	6.4	4.5	6.0	11.7	29.0	38	7.7	16.6	2.0	7.1	1.1	0.2	0.9	0.1	0.7	0.1	0.5	0.1	0.4	0.1
24070114	240700	6502400	soil	6.8	9.5	8.0	11.2	38.0	87	21.5	39.7	4.3	14.1	2.3	0.4	1.8	0.2	1.3	0.2	0.7	0.1	0.6	0.1
24070115	240900	6502400	soil	6.5	9.7	7.0	6.0	36.0	93	21.5	45.2	4.5	14.2	2.1	0.4	1.8	0.3	1.4	0.3	0.7	0.1	0.5	0.1
24070116	241100	6502400	soil	4.3	10.3	8.0	11.5	39.0	71	14.1	33.4	3.6	11.3	2.2	0.4	1.7	0.3	1.6	0.3	0.8	0.1	0.7	0.1

Sample_ID	Easting	Northing	Type	Cu	Pb	Zn	Ni	Cr	TREO	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24070117	239700	6502200	soil	7.3	1.7	6.0	15.0	33.0	37	7.2	17.0	1.9	6.4	1.2	0.2	1.0	0.1	0.8	0.1	0.5	0.1	0.4	0.1
24070118	239900	6502200	soil	3.4	3.6	4.0	10.0	21.0	24	5.3	11.8	1.1	3.7	0.7	0.1	0.6	0.1	0.4	0.1	0.3	0.0	0.2	0.0
24070119	240100	6502200	soil	6.9	5.0	8.0	16.3	41.0	39	7.6	17.1	1.9	7.2	1.3	0.3	1.1	0.2	0.9	0.2	0.7	0.1	0.5	0.1
24070120	240300	6502200	soil	3.6	3.1	4.0	12.5	46.0	28	5.2	13.1	1.4	5.1	0.9	0.2	0.8	0.1	0.7	0.1	0.4	0.1	0.4	0.0
24070121	240500	6502200	soil	5.9	8.0	10.0	8.5	38.0	67	15.4	30.7	3.4	11.3	1.8	0.3	1.4	0.2	1.1	0.2	0.6	0.1	0.6	0.1
24070122	240700	6502200	soil	4.0	6.4	9.0	8.3	34.0	84	18.8	40.7	4.2	13.3	2.1	0.3	1.6	0.3	1.4	0.3	0.7	0.1	0.7	0.1
24070123	240900	6502200	soil	10.6	23.0	17.0	24.4	68.0	256	61.3	118.7	12.9	40.2	6.8	1.0	5.0	0.7	4.0	0.7	2.1	0.3	1.7	0.2
24070124	241100	6502200	soil	6.0	7.6	10.0	16.2	61.0	55	9.6	25.8	2.9	10.0	1.7	0.4	1.4	0.2	1.3	0.3	0.8	0.1	0.7	0.1
24070125	239700	6502000	soil	11.2	12.8	19.0	25.1	69.0	160	33.3	75.2	8.2	27.6	4.8	0.7	3.4	0.5	2.7	0.5	1.3	0.2	1.1	0.1
24070126	239900	6502000	soil	6.7	24.5	34.0	8.1	27.0	381	105.7	162.3	20.3	61.4	9.5	1.1	7.2	1.0	5.7	1.0	2.7	0.4	2.1	0.3
24070127	240100	6502000	soil	5.2	11.0	8.0	6.4	33.0	32	8.4	14.6	1.4	4.6	0.9	0.2	0.6	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070128	240300	6502000	soil	5.1	33.1	14.0	8.9	29.0	295	73.1	139.4	16.1	47.8	7.2	0.9	4.3	0.5	2.7	0.5	1.3	0.2	0.9	0.1
24070129	240500	6502000	soil	0.7	18.6	7.0	5.8	18.0	96	24.3	42.9	5.0	14.9	2.4	0.4	1.9	0.3	1.6	0.3	0.9	0.1	0.7	0.1
24070130	240700	6502000	soil	6.9	18.7	24.0	7.0	33.0	141	32.6	67.3	6.7	21.4	3.7	0.5	2.8	0.4	2.4	0.4	1.2	0.2	1.0	0.1
24070131	240900	6502000	soil	3.8	11.5	2.0	11.3	41.0	92	13.8	54.3	3.7	12.2	2.3	0.4	1.6	0.2	1.5	0.3	0.8	0.1	0.7	0.1
24070132	241100	6502000	soil	6.6	8.7	9.0	18.5	60.0	47	7.7	20.6	2.2	8.3	1.7	0.3	3.5	0.2	1.1	0.2	0.7	0.1	0.6	0.1
24070133	239700	6501800	soil	7.0	14.2	7.0	9.2	76.0	126	29.1	62.3	5.9	18.2	3.1	0.5	2.2	0.3	2.0	0.5	1.0	0.1	0.9	0.1
24070134	239900	6501800	soil	8.7	33.3	17.0	6.8	35.0	529	128.5	260.7	25.8	79.6	12.0	1.3	8.1	1.2	5.7	1.0	2.6	0.4	1.9	0.3
24070135	240100	6501800	soil	3.9	21.8	9.0	2.7	16.0	64	16.5	28.6	3.1	9.9	1.5	0.4	1.2	0.2	1.0	0.2	0.5	0.1	0.5	0.1
24070136	240300	6501800	soil	7.9	25.8	22.0	16.4	47.0	178	47.6	80.8	8.7	26.1	4.4	0.6	3.2	0.5	2.9	0.5	1.3	0.2	1.0	0.1
24070137	240500	6501800	soil	11.6	26.8	29.0	18.2	48.0	461	108.1	216.4	23.2	75.3	11.5	1.6	8.6	1.2	6.9	1.2	3.6	0.5	2.9	0.4
24070138	240700	6501800	soil	9.2	20.4	19.0	9.5	43.0	180	40.8	85.0	8.9	29.0	4.7	0.8	3.5	0.5	2.9	0.5	1.5	0.2	1.2	0.2
24070139	240900	6501800	soil	4.7	10.6	9.0	16.9	68.0	62	10.4	30.1	2.9	10.6	2.2	0.4	1.7	0.2	1.5	0.3	0.8	0.1	0.9	0.1
24070140	241100	6501800	soil	4.2	4.4	8.0	14.4	39.0	36	6.6	16.8	1.7	6.6	1.2	0.3	1.0	0.1	0.8	0.2	0.5	0.1	0.5	0.1
24070141	239700	6501600	soil	3.6	22.8	10.0	7.9	16.0	144	35.5	66.7	7.2	22.9	3.4	0.6	2.7	0.4	2.1	0.3	1.0	0.1	0.8	0.1
24070142	239900	6501600	soil	6.4	35.5	32.0	13.9	26.0	120	30.8	57.7	5.7	17.6	2.6	0.6	2.0	0.3	1.4	0.3	0.7	0.1	0.5	0.1
24070143	240100	6501600	soil	4.3	31.3	53.0	8.1	28.0	402	93.2	188.7	20.0	61.8	10.3	1.2	8.1	1.3	7.3	1.4	4.0	0.6	3.6	0.5
24070144	240300	6501600	soil	4.7	27.0	16.0	5.8	23.0	198	51.0	92.7	9.4	28.7	4.4	0.7	3.4	0.6	3.0	0.6	1.6	0.2	1.3	0.2
24070145	240500	6501600	soil	5.6	10.6	9.0	14.3	68.0	115	20.5	56.9	5.5	19.2	3.2	0.6	2.6	0.4	2.1	0.4	1.3	0.2	1.4	0.2
24070146	240700	6501600	soil	6.6	14.2	12.0	11.1	51.0	66	14.4	34.8	2.7	8.6	1.4	0.3	1.2	0.2	1.2	0.2	0.6	0.1	0.6	0.1
24070147	240900	6501600	soil	6.3	23.1	11.0	17.2	51.0	225	51.6	112.5	10.5	32.6	5.3	0.9	4.0	0.6	3.0	0.6	1.6	0.2	1.4	0.2
24070148	241100	6501600	soil	9.4	10.2	9.0	20.2	78.0	68	12.3	32.4	3.3	11.3	2.2	0.5	1.8	0.2	1.5	0.3	0.9	0.1	0.9	0.1
24070149	239700	6501400	soil	7.2	7.7	8.0	19.3	61.0	46	9.6	21.4	2.1	7.4	1.3	0.3	1.2	0.2	1.2	0.2	0.6	0.1	0.6	0.1
24070150	239900	6501400	soil	6.0	9.4	12.0	21.2	115.0	49	10.0	22.5	2.4	8.5	1.6	0.3	1.3	0.2	1.1	0.2	0.7	0.1	0.6	0.1
24070151	240100	6501400	soil	7.3	10.1	6.0	24.2	103.0	50	9.3	23.5	2.4	8.2	1.7	0.3	1.3	0.2	1.3	0.2	0.7	0.1	0.8	0.1
24070152	240300	6501400	soil	7.3	13.2	6.0	31.8	96.0	166	32.3	77.5	8.3	28.2	5.3	1.0	4.1	0.6	3.6	0.7	2.0	0.3	1.9	0.2
24070153	240500	6501400	soil	8.0	16.5	9.0	12.3	43.0	101	23.3	51.0	4.6	14.1	2.3	0.5	1.9	0.3	1.5	0.3	0.8	0.1	0.7	0.1
24070154	240700	6501400	soil	10.9	31.6	20.0	25.7	72.0	304	68.5	143.5	15.2	48.5	8.3	1.2	6.1	0.9	5.0	1.0	2.7	0.4	2.5	0.3
24070155	240900	6501400	soil	5.6	18.0	6.0	7.4	29.0	98	23.7	46.9	4.5	13.8	2.3	0.4	1.8	0.3	1.8	0.3	1.0	0.2	0.9	0.1

Sample_ID	Easting	Northing	Type	Cu	Pb	Zn	Ni	Cr	TREO	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24070156	241100	6501400	soil	7.1	13.7	6.0	20.2	92.0	57	8.7	33.5	2.0	7.1	1.4	0.3	1.1	0.2	1.0	0.2	0.6	0.1	0.6	0.1
24070157	233850	6519000	soil	5.5	4.5	4.0	21.0	82.0	26	5.3	12.3	1.3	4.3	0.9	0.2	0.6	0.1	0.6	0.1	0.3	0.0	0.3	0.0
24070158	234250	6519000	soil	5.7	2.0	5.0	14.8	47.0	25	5.0	11.7	1.2	4.0	0.9	0.2	0.6	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070159	234650	6519000	soil	5.1	3.8	5.0	22.5	58.0	27	5.0	12.9	1.2	4.3	0.9	0.2	0.6	0.1	0.6	0.1	0.4	0.1	0.4	0.0
24070160	235050	6519000	soil	5.9	5.2	5.0	19.5	53.0	22	4.1	10.3	1.0	3.5	0.7	0.1	0.6	0.1	0.5	0.1	0.3	0.0	0.3	0.0
24070161	235450	6519000	soil	5.7	4.8	6.0	15.8	56.0	23	4.6	10.1	1.1	4.0	0.6	0.1	0.6	0.1	0.6	0.1	0.3	0.0	0.3	0.0
24070162	235850	6519000	soil	4.3	4.2	7.0	14.1	45.0	27	5.3	11.7	1.4	4.9	0.8	0.2	0.8	0.1	0.6	0.1	0.4	0.1	0.3	0.0
24070163	236250	6519000	soil	4.2	5.2	7.0	13.2	53.0	27	5.0	13.1	1.3	4.7	0.8	0.2	0.6	0.1	0.6	0.1	0.3	0.0	0.4	0.0
24070164	233850	6518600	soil	15.5	8.8	20.0	59.8	229.0	92	18.1	43.9	4.3	15.6	2.9	0.5	2.4	0.4	2.0	0.4	1.0	0.1	0.9	0.1
24070165	234250	6518600	soil	14.2	17.2	27.0	87.7	168.0	123	25.6	58.3	5.9	20.0	3.5	0.7	2.8	0.4	2.4	0.5	1.3	0.2	1.1	0.1
24070166	234650	6518600	soil	9.2	19.5	19.0	27.6	134.0	114	23.2	53.9	5.5	18.3	3.5	0.7	3.3	0.4	2.2	0.4	1.2	0.2	1.1	0.1
24070167	235050	6518600	soil	7.7	3.4	8.0	23.1	93.0	38	7.4	17.4	1.8	6.4	1.4	0.3	1.0	0.2	0.9	0.2	0.6	0.1	0.5	0.1
24070168	235450	6518600	soil	1.6	1.2	9.0	14.5	28.0	24	4.6	11.2	1.1	3.8	0.7	0.1	0.6	0.1	0.5	0.1	0.4	0.0	0.3	0.0
24070169	235850	6518600	soil	5.0	5.0	12.0	21.0	43.0	34	6.9	15.0	1.6	5.9	1.2	0.2	0.9	0.1	0.8	0.1	0.4	0.1	0.4	0.1
24070170	236250	6518600	soil	4.3	3.1	7.0	17.2	46.0	25	4.6	11.9	1.1	4.3	0.9	0.2	0.6	0.1	0.6	0.1	0.4	0.0	0.3	0.0
24070171	233850	6518200	soil	8.4	16.0	24.0	23.1	94.0	85	16.5	40.3	4.3	14.5	2.8	0.5	2.0	0.3	1.6	0.3	0.8	0.1	0.8	0.1
24070172	234250	6518200	soil	12.2	12.3	33.0	25.1	56.0	149	32.3	69.9	7.3	24.7	4.4	0.9	3.3	0.5	2.7	0.5	1.4	0.2	1.0	0.1
24070173	234650	6518200	soil	5.3	8.0	11.0	23.6	94.0	113	26.0	49.4	5.9	19.9	3.7	0.7	2.6	0.4	1.9	0.4	1.0	0.1	0.9	0.1
24070174	235050	6518200	soil	9.5	9.9	24.0	30.2	121.0	64	11.1	33.5	2.7	9.7	2.0	0.4	1.5	0.2	1.3	0.2	0.7	0.1	0.6	0.1
24070175	235450	6518200	soil	7.5	6.0	17.0	23.5	75.0	76	17.8	34.3	3.8	12.8	2.2	0.4	1.6	0.2	1.3	0.2	0.6	0.1	0.5	0.1
24070176	235850	6518200	soil	5.5	3.6	7.0	12.7	45.0	37	7.7	16.8	1.8	6.1	1.1	0.2	0.9	0.1	0.8	0.2	0.4	0.1	0.7	0.1
24070177	236250	6518200	soil	3.3	3.4	10.0	14.7	32.0	27	4.9	13.0	1.3	4.6	0.9	0.2	0.7	0.1	0.6	0.1	0.4	0.1	0.3	0.0
24070178	233850	6517800	soil	14.3	12.8	25.0	32.5	70.0	82	16.3	39.3	4.0	13.0	2.5	0.5	2.1	0.3	1.8	0.3	0.9	0.1	0.8	0.1
24070179	234250	6517800	soil	11.4	10.6	26.0	28.4	63.0	122	27.0	60.3	5.6	18.5	3.2	0.6	2.3	0.3	1.8	0.3	0.9	0.1	0.8	0.1
24070180	234650	6517800	soil	5.2	6.5	10.0	28.6	156.0	79	15.5	37.0	3.7	13.0	2.7	0.5	2.1	0.3	1.7	0.3	0.9	0.1	0.9	0.1
24070181	235050	6517800	soil	8.4	10.9	15.0	30.7	137.0	75	15.1	35.0	3.5	12.2	2.4	0.5	1.9	0.3	1.5	0.3	0.8	0.1	0.8	0.1
24070182	235450	6517800	soil	6.2	5.1	11.0	18.1	69.0	44	9.4	19.4	2.1	7.8	1.5	0.3	1.2	0.2	0.9	0.2	0.5	0.1	0.5	0.1
24070183	235850	6517800	soil	5.6	3.9	5.0	16.3	56.0	27	5.2	12.8	1.2	4.3	0.9	0.2	0.7	0.1	0.7	0.1	0.4	0.1	0.4	0.0
24070184	236250	6517800	soil	4.1	1.5	10.0	17.4	54.0	28	5.9	13.0	1.3	4.5	0.8	0.2	0.8	0.1	0.7	0.1	0.3	0.1	0.4	0.0
24070185	233850	6516600	soil	5.9	6.8	11.0	16.7	56.0	32	6.6	14.4	1.5	5.6	1.0	0.3	0.8	0.3	0.7	0.1	0.4	0.1	0.4	0.1
24070186	234250	6516600	soil	5.7	5.7	7.0	16.2	57.0	35	6.6	16.8	1.6	5.6	1.1	0.2	0.9	0.1	0.8	0.2	0.4	0.1	0.4	0.1
24070187	234650	6516600	soil	4.9	4.6	13.0	16.8	43.0	26	5.0	12.3	1.2	4.2	0.8	0.2	0.6	0.1	0.7	0.1	0.3	0.0	0.4	0.0
24070188	235050	6516600	soil	5.9	8.0	8.0	19.2	56.0	44	8.2	20.0	2.2	7.5	1.6	0.3	1.2	0.3	1.1	0.2	0.5	0.1	0.5	0.1
24070189	235450	6516600	soil	6.2	5.5	6.0	14.5	46.0	35	7.0	15.1	1.7	6.3	1.1	0.2	1.0	0.2	0.9	0.2	0.5	0.1	0.5	0.1
24070190	235850	6516600	soil	7.0	5.6	7.0	20.2	53.0	50	9.6	21.7	2.5	8.9	1.9	0.3	1.5	0.2	1.3	0.2	0.7	0.1	0.7	0.1
24070191	236250	6516600	soil	4.8	5.7	10.0	18.0	50.0	46	8.2	20.6	2.2	8.1	1.8	0.4	1.4	0.2	1.2	0.2	0.6	0.1	0.6	0.1
24070192	236650	6516600	soil	7.7	4.9	9.0	20.3	67.0	46	7.6	21.7	2.1	7.6	1.6	0.3	1.5	0.2	1.3	0.2	0.7	0.1	0.6	0.1
24070193	233850	6516200	soil	5.6	7.3	13.0	19.2	58.0	65	13.1	30.7	3.2	10.7	2.1	0.4	1.5	0.2	1.2	0.3	0.7	0.1	0.7	0.1
24070194	234250	6516200	soil	5.7	8.7	38.0	20.4	60.0	61	12.0	29.7	2.7	9.2	1.9	0.4	1.5	0.2	1.3	0.2	0.8	0.1	0.6	0.1

Sample_ID	Easting	Northing	Type	Cu	Pb	Zn	Ni	Cr	TREO	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24070195	234650	6516200	soil	12.9	8.1	11.0	40.2	70.0	49	8.4	23.6	2.3	8.2	1.7	0.3	1.4	0.2	1.1	0.2	0.7	0.1	0.6	0.1
24070196	235050	6516200	soil	6.0	1.6	8.0	11.3	48.0	26	5.2	12.5	1.2	4.2	0.7	0.2	0.7	0.1	0.6	0.1	0.3	0.1	0.4	0.1
24070197	235450	6516200	soil	5.7	5.4	6.0	16.1	32.0	41	8.1	18.8	2.0	7.2	1.3	0.3	1.2	0.2	0.9	0.2	0.5	0.1	0.5	0.1
24070198	235850	6516200	soil	4.6	2.9	7.0	18.0	44.0	57	10.3	26.8	2.8	10.2	2.0	0.4	1.5	0.2	1.2	0.2	0.7	0.1	0.6	0.1
24070199	236250	6516200	soil	6.1	7.5	17.0	9.9	37.0	39	8.1	18.2	1.9	6.5	1.3	0.3	1.0	0.2	0.8	0.1	0.5	0.1	0.4	0.1
24070200	236650	6516200	soil	10.7	8.4	11.0	28.6	83.0	74	12.2	36.4	3.2	12.3	2.7	0.5	2.1	0.3	1.7	0.3	0.9	0.1	0.9	0.1
24071001	234000	6518142	rock	6.9	11.7	6.0	3.4	143.0	47	9.5	19.9	1.9	6.2	1.5	0.4	1.5	0.3	1.9	0.4	1.2	0.2	1.5	0.2
24071002	233860	6518214	rock	8.1	17.0	7.0	4.9	264.0	54	8.9	24.7	2.1	7.1	1.8	0.4	1.9	0.3	2.5	0.5	1.5	0.3	1.9	0.3
24071003	234500	6518200	rock	3.5	12.9	3.0	3.6	27.0	35	10.1	14.7	1.6	4.5	0.9	0.2	0.7	0.1	0.8	0.1	0.4	0.1	0.6	0.1
24071004	234546	6518215	rock	2.6	9.1	6.0	13.6	36.0	38	14.9	15.4	1.7	3.9	0.6	0.2	0.4	0.1	0.4	0.1	0.2	0.0	0.2	0.0
24071005	234871	6518182	rock	12.5	64.1	10.0	48.5	731.0	950	64.2	846.4	8.7	22.3	3.1	0.5	1.9	0.3	1.3	0.2	0.6	0.1	0.5	0.1
24071006	235575	6518200	rock	7.5	19.8	8.0	10.8	64.0	129	41.5	47.2	6.4	18.6	3.3	0.8	2.9	0.5	2.9	0.6	1.8	0.3	1.9	0.3
24071007	235205	6517780	rock	2.5	6.1	1.0	5.4	79.0	62	2.9	41.4	1.1	4.5	1.7	0.5	1.9	0.4	2.8	0.6	1.7	0.3	2.2	0.3
24071008	235040	6517817	rock	6.4	19.5	12.0	7.1	144.0	86	19.8	39.7	3.6	10.8	2.3	0.5	2.1	0.3	2.6	0.6	1.7	0.3	2.0	0.3
24071009	234652	6517802	rock	10.8	19.1	5.0	69.9	912.0	57	6.3	40.7	1.4	4.8	0.9	0.2	0.7	0.1	0.7	0.1	0.3	0.1	0.4	0.1
24071010	234804	6518454	rock	8.0	26.2	5.0	25.1	261.0	31	3.2	13.8	1.3	4.0	1.3	0.3	1.3	0.3	1.8	0.4	1.2	0.2	1.5	0.2
24071011	234327	6516197	rock	7.0	20.5	5.0	10.0	73.0	173	91.7	36.1	10.5	24.8	3.0	0.5	2.1	0.3	1.6	0.3	0.8	0.1	0.7	0.1
24071012	236324	6516194	rock	4.7	16.0	2.0	3.0	150.0	61	2.5	48.9	0.9	2.8	1.1	0.2	1.0	0.2	1.3	0.2	0.7	0.1	0.9	0.1

Appendix-1

JORC Code, 2012 Edition – Table 1

Marvel Loch East Project

Section 1 Sampling Techniques and Data

Criteria	Commentary															
Sampling techniques	<ul style="list-style-type: none">A total of 12 rock chip samples and 200 samples of B-soil horizon soil (-80 mesh) were collected on tenements E15/1946 and E15/1796.Soil and rock chip samples were sent to Jinnings Laboratories (Perth) for sample preparation and analysis. Sample preparation involved crushing and milling to -75 µm before analysing a mixed acid digest and ICP-OES/MS finish for a suite of elements including rare earth elements. <p><u>Gravity Survey</u></p> <ul style="list-style-type: none">Reconnaissance ground gravity survey was conducted over the areas as defined in Figure 1.The survey was commissioned by Venus Metals Corporation and completed by Haines Surveys Pty Ltd.A total of 244 stations were collected including base and repeats with the specifications summarised below. <table><tr><th>Survey</th><th>Line Spacing</th><th>Line Direction</th><th>Station Spacing</th><th>Stations</th></tr><tr><td>Marvel Loch East-North Block</td><td>800m N/S 600mE/W</td><td>090-270 and 000-180</td><td>200m</td><td>149</td></tr><tr><td>Marvel Loch East-South Block</td><td>600m N/S 500mE/W</td><td>090-270 and 000-180</td><td>200m</td><td>95</td></tr></table> <p>Other details of sampling techniques is not applicable</p>	Survey	Line Spacing	Line Direction	Station Spacing	Stations	Marvel Loch East-North Block	800m N/S 600mE/W	090-270 and 000-180	200m	149	Marvel Loch East-South Block	600m N/S 500mE/W	090-270 and 000-180	200m	95
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Drilling techniques	<ul style="list-style-type: none">No drilling done by Venus.															
Drill sample recovery	<ul style="list-style-type: none">No drilling done by Venus.															
Logging	<ul style="list-style-type: none">Field observations were recorded by Venus for the rock chip samples.All rock chip samples collected by Venus were photographed.															

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<i>Sub-sampling techniques and sample preparation</i>	<ul style="list-style-type: none"> Rock chip and historical drill spoil samples were sent to Jinnings Laboratories, Perth for sample preparation and analysis. Sample preparation involved crushing and milling to -75 µm. No field duplicates were collected for whole rock geochemical analyses. The sample preparation techniques are considered appropriate for reconnaissance exploration. <p><u>Gravity Survey</u></p> <ul style="list-style-type: none"> The gravity survey was achieved using a single person crew. Measurements were taken with a Scintrex CG-5 Autograv meter which has an accuracy of 0.01mgal.
<i>Quality of assay data and laboratory tests</i>	<ul style="list-style-type: none"> Rock chip and soil samples were analysed at Jinnings Laboratories, Perth, using a mixed acid digest and ICP-OES/MS finish for a suite of elements including rare earth elements. Quality control procedures for all Venus sample assays included the insertion of laboratory in-house controls, blanks and duplicates. Acceptable levels of accuracy and precision were established by the laboratories.
<i>Verification of sampling and assaying</i>	<ul style="list-style-type: none"> The conversion of elemental weight percent of REEs to oxide weight percent in order to calculate TREO following conversion factors: <ul style="list-style-type: none"> La₂O₃ 1.1728 CeO₂ 1.2284 Pr₆O₁₁ 1.2082 Nd₂O₃ 1.1664 Sm₂O₃ 1.1596 Eu₂O₃ 1.1579 Gd₂O₃ 1.1526 Tb₄O₇ 1.1762 Dy₂O₃ 1.1477 Ho₂O₃ 1.1455 Er₂O₃ 1.1435 Tm₂O₃ 1.1421 Yb₂O₃ 1.1387 Lu₂O₃ 1.1371 Y₂O₃ 1.2699 No independent verification of the geochemical data has been carried out to date. All field logging is entered into notebooks on site and then digitised into excel sheets and uploaded into the database at the office. Assay files are received electronically from the laboratories and uploaded into the database. <p><u>Gravity Survey</u></p> <ul style="list-style-type: none"> All gravity data was transferred to Haines personnel on a daily basis for verification.
<i>Location of data points</i>	<ul style="list-style-type: none"> Soil and rock chip sample locations were recorded using a handheld GPS with an accuracy of +/- 5 m. The grid system used is Map Grid of Australia (MGA) GDA94 Zone 51.

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	<p><u>Gravity Survey</u></p> <ul style="list-style-type: none"> All data has been collected in GDA94 MGA Zone 51 grid system. Data points were located using Hi Target V100 GNSS receivers for the base and rover operating via RTK through a robust radio network. Accuracy of the positioning is better than 5cm in both horizontal and vertical.
<i>Data spacing and distribution</i>	<ul style="list-style-type: none"> Soil sampling was on 100m x 100m, 200m x 200m, or 400m x 400m grids. Rock chip sampling was reconnaissance in nature with no fixed sample spacing or density. No sample compositing has been applied to rock chip samples. <p><u>Gravity Survey</u></p> <ul style="list-style-type: none"> The line spacing was 500-800m with stations 200m apart. The data density is considered appropriate to the purpose of the survey.
<i>Orientation of data in relation to geological structure</i>	<ul style="list-style-type: none"> Rock chip samples were taken at random. Soil sampling covered three gravity highs identified in wide spaced (2km) government gravity data. <p><u>Gravity Survey</u></p> <ul style="list-style-type: none"> The survey lines were collected in both east-west and north-south orientations to best define geological formations.
<i>Sample security</i>	<ul style="list-style-type: none"> Samples were transported directly to the Perth laboratories by VMC contractor.
<i>Audits or reviews</i>	<ul style="list-style-type: none"> No audits or reviews of the geochemical analyses have been carried out to date. <p><u>Gravity Survey</u></p> <ul style="list-style-type: none"> The data were independently verified by Mathew Cooper of Core Geophysics.

Section 2 Reporting of Exploration Results

Criteria	Commentary
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> E15/1796 and E15/1946 are held by Redscope Enterprises Pty Ltd, a wholly-owned subsidiary of Venus Metals Corporation Ltd. The tenement is located on Crown land. Redscope Enterprises Pty Ltd signed a heritage agreement with the Marlinyu Ghoorlie Native Title Claimant Group. To the best of Venus' knowledge, there are no other known impediments to operate on the above listed ELs.
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> Bullseye Mining Ltd carried out MMI soil geochemical surveys (2012–2015) across two areas that partly cover E 15/1796; the results identified Au, base metal and REE anomalies (Wamex report A107388). Image Resources NL conducted work (2006–2007) that comprised limited soil sampling and AC drilling (15 holes on E15/1796) targeting Au, Cu and Ni (Wamex report A75927). Drill hole logs indicate that the residual weathering profile is preserved between areas of outcrop. Rosella Creek Mining (2006–2007) conducted desktop studies (Wamex report A75987). Dominion Mining Ltd conducted work (2002–2005) that comprised calcrete, soil and laterite sampling, and shallow RAB drilling (36 holes for c.1100m) along two traverses targeting gold only. The drilling encountered massive biotite granite and felsic

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	<p>granitic gneiss. Drill hole logs indicate that the residual weathering profile is preserved between areas of outcrop (Wamex report A70400).</p> <ul style="list-style-type: none"> Anaconda Australia Inc, Forresteria Gold NL and Inco Australia Ltd explored the tenement area as part of their regional programs targeting Cu, Ni and Au in the 1970s and 1980s (Wamex report A8097 & A9913; A22545 & A29078, and A38751 respectively). Kennecott Exploration Ltd in 1972-1973 tested an oval-shaped magnetic feature in the southeast of the EL for the presence of a carbonatite. Shallow auger samples contained only background values of those elements commonly associated with carbonatites and no further work was carried out (Wamex report A3599).
<i>Geology</i>	<ul style="list-style-type: none"> The tenement is on the Boorabbin 250k geological sheet (SH51-13). The area is part of the Archaean Southern Cross Domain of the Yilgarn Craton. The tenement covers an arcuate magnetic anomaly on the western side of the Boorabbin 250k geological sheet. The mapped bedrock comprises granitoid intrusions (Agr and Agph); the regolith is dominated by sandplain and alluvial sediments within drainage that intersects the western part of the tenement; parts of the tenement are erosional with bedrock and saprock exposed.
<i>Drill hole Information</i>	<ul style="list-style-type: none"> No drilling done by Venus.
<i>Data aggregation methods</i>	<ul style="list-style-type: none"> No data aggregation has been applied. No metal equivalents are reported.
<i>Relationship between mineralisation widths and intercept lengths</i>	<ul style="list-style-type: none"> No drilling done by Venus.
<i>Diagrams</i>	<ul style="list-style-type: none"> See figures in the announcement.
<i>Balanced reporting</i>	<ul style="list-style-type: none"> All sample points are shown in Figure 1 within the announcement. All analytical results for target metals Cu, Pb, Zn, Ni, Cr and rare earth oxides La₂O₃, CeO₂, Pr₆O₁₁, Nd₂O₃, Sm₂O₃, Eu₂O₃, Gd₂O₃, Tb₄O₇, Dy₂O₃, Ho₂O₃, Er₂O₃, Tm₂O₃, Yb₂O₃ and Lu₂O₃ are listed in Table 1.
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> To the best of our knowledge, there is no other substantive exploration data for any of the exploration areas referred to.
<i>Further work</i>	<ul style="list-style-type: none"> Follow-up field based studies including soil and rock chip sampling. Further geophysical surveys including infill ground gravity surveys or electromagnetic surveys, if warranted by results of the field studies