EXPLORATION LICENCE
EL 21/2004 - DUNDAS
TASMANIA

ANNUAL REPORT
FOR THE YEAR ENDED
25 June 2005

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1 EXECUTIVE SUMMARY

EL 21/2004 - Dundas is part of Discovery Nickel Limited's (DNL) Western Tasmania Nickel Project, which includes three separate tenements that lie in the west coast area of Tasmania (**Fig. 1**). All three tenements include significant occurrences of mafic-ultramafic rocks, prospective for Ni-Cu-PGE sulphide mineralisation. The recent discovery of the Avebury deposit in western Tasmania has raised interest in nickel exploration in the region and confirmed that western Tasmania is highly permissive for various styles of Ni mineralisation.

DNL has completed a due diligence investigation and geochemical ground follow-up work over distinctive magnetic features and Cu-Ni stream sediment anomalies already identified. The results of this investigation which pertain to EL 21/2004 - Dundas indicated that this area was not prospective for magmatic nickel-copper sulphide deposits but that there was significant potential for hydrothermal nickel sulphide deposits, similar to the Avebury-Viking nickel deposits to the west.

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CONTENTS

FIGURES

TABLES

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2 INTRODUCTION

This report summarises exploration work for nickel-copper sulphide mineralisation, carried out on the EL 21-2004 Dundas for Discovery Nickel Limited, from June 25th 2004 to 2005. Exploration work included a due diligence investigation and surface geochemical follow-up work over distinctive magnetic features and Ni-Cu stream sediment anomalies identified from stream sediment and whole rock geochemical data obtained from Mines and Resources Tasmania (MRT).

EL 21/2004 – Dundas is located approximately five kilometres to the west of Zeehan and approximately 20 kilometres west of the port of Trial Harbour on Tasmania's western coast (**Figure 1).**

3 TENURE AND EXPLORATION ACCESS

Tenement details for Discovery Nickel Limited's Western Tasmania Nickel Project are included in **Table 1**. The tenure over EL 21/2004 covers mainly crown land with some areas of State Reserve and State Forest. Some minor Mining Leases also occur on EL 21/2004, and are excluded from the tenement area.

Table 1: Tenement Details

EL No.	Name	AKA	Size sq km	Application Date	Grant Date	Expenditure Commitment (2 yrs)
18/2004	Corinna	Pieman Area	143	3 Feb 2004	11/01/2005	$93,750
21/2004	Dundas	Zeehan	12	3 Feb 2004	25 Jun 2004	$10,000
22/2004	Modder River	Macquarie Area or Sorrell Peninsula	249	3 Feb 2004	13 Jul 2004	$10,000

4 REGIONAL GEOLOGY

The mafic-ultramafic complexes present within DNL's Western Tasmania Nickel Project occur within the Cambrian Dundas Trough of western Tasmania (**Fig. 2**). The Dundas Trough wraps around the Precambrian Tyennan Region of central Tasmania, and includes stratotectonic elements such as the Dundas Group and the famous Cambrian Mount Read Volcanics (which host polymetallic VHMS deposits such as Rosebery, Hellyer and Mt Lyell). The western side of the Dundas Trough contains several mafic-ultramafic bodies such as those at Heazlewood, Serpentine Hill, Trial Harbour, Dundas and McIvors Hill (Brown 1989: **Fig. 2**).

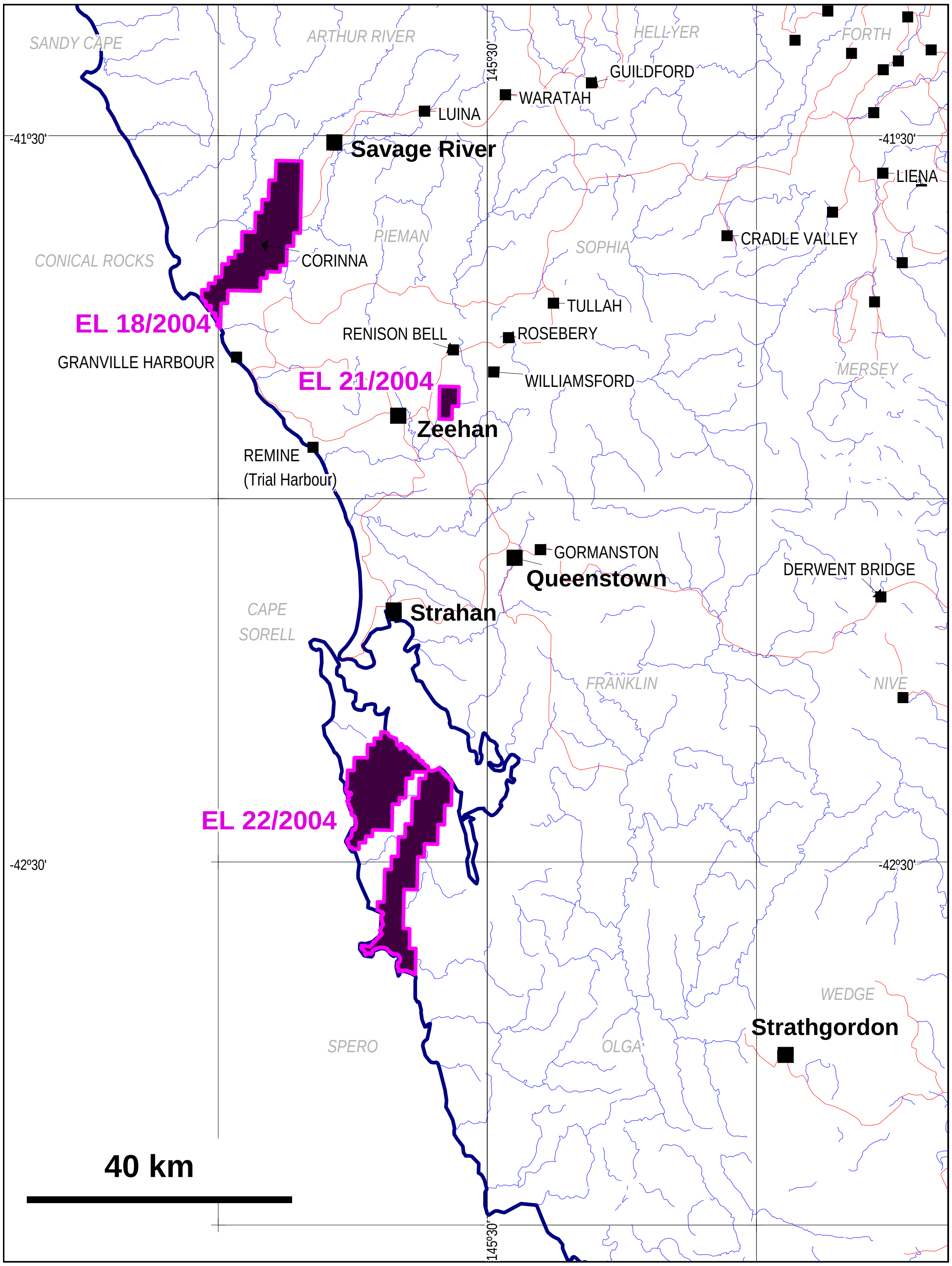

Figure 1: DNL Tenement Location Map – Western Tasmania Nickel Project

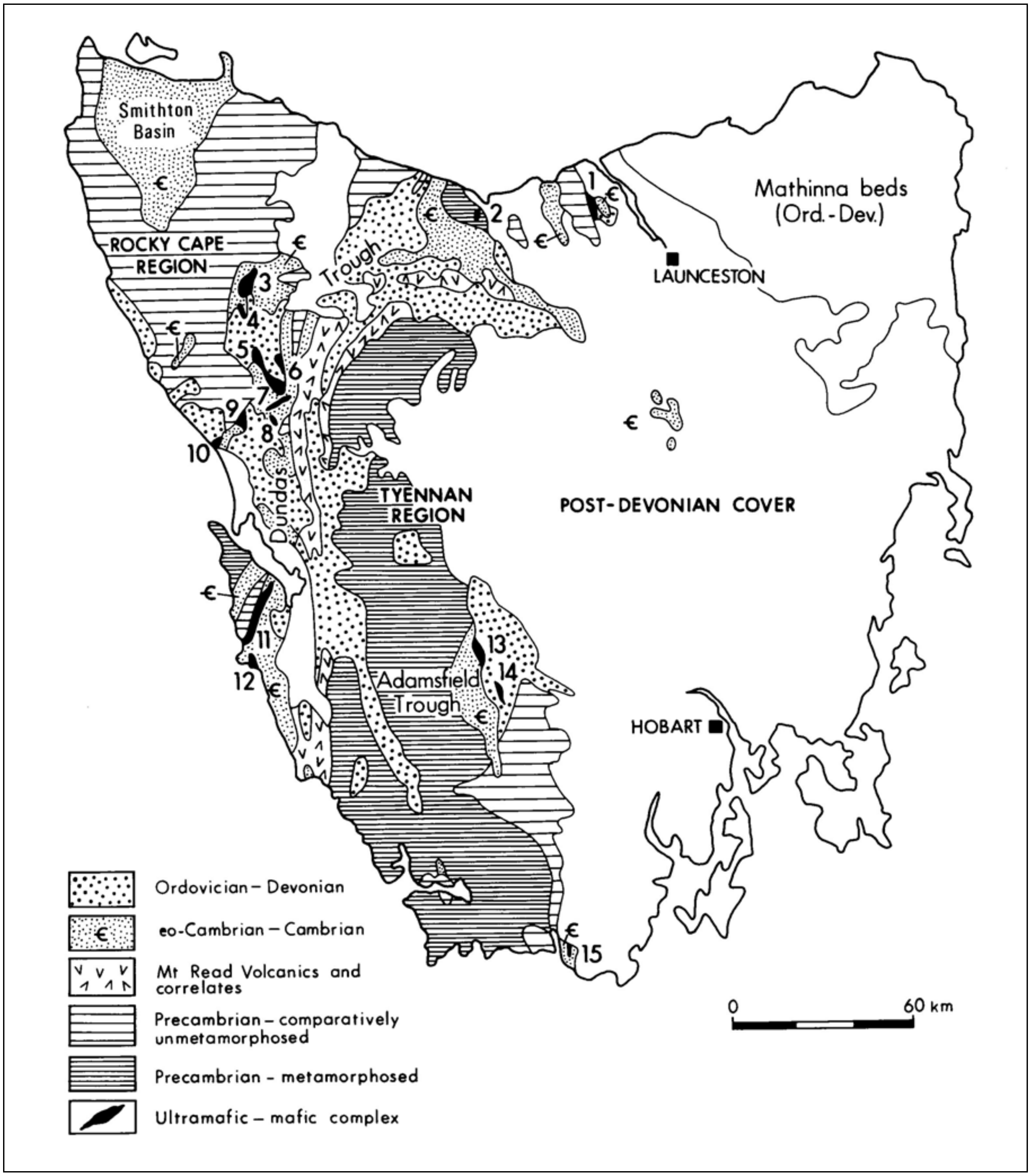

Figure 2: Regional Geology Map of Tasmania showing location of major mafic-ultramafic Complexes. (1 = Andersons Creek, 2 = Forth, 3 = Heazlewood River, 4 = Mt Stewart, 5 = Wilson River, 6 = Huskinsson River, 7 = Serpentine Hill, 8 = Dundas, 9 = McIvors Hill, 10 = Trial Harbour, 11 = Cape Sorell, 12 = Spero Bay, 13 = Boyes Bay, 14 = Adamsfield, 15 = Rocky Boat Harbour; scanned from Brown 1989).

Many of the mafic-ultramafic complexes in Tasmania are clearly evident on magnetic images and are defined as linear and elongate magnetic highs. These mafic-ultramafic complexes are probably Early Cambrian in age (eo-Cambrian). However, their exact age has not been accurately established. The origin of these complexes has been the topic of much debate and controversy over the past few decades, as they represent important indicators of the Palaeozoic evolution of western Tasmania.

Early researchers proposed a rift setting for the Dundas Trough. This model has the mafic-ultramafic complexes as remnants of cumulate magma chambers formed within a rift setting of continental crust. However, the presence of geochemically distinctive rocks such as boninites, indicates an oceanic arc setting. Similar lavas are found within the Tertiary to recent western Pacific island-arc systems between New Guinea and Japan. Authors such as Crawford and Berry (1988) suggest the western Tasmanian mafic-ultramafic complexes are allochthonous, and represent large over-thrust sheets derived from a forearc situated to the east. In summary, the present juxtaposition of rock successions in western Tasmania is considered by most authors to be the result of obduction of parts of a Cambrian island-arc system onto a continental terrane at the end of the Cambrian, followed by further deformation during a mid-Devonian Orogeny (e.g. Brown, 1992; Brown and Jenner, 1988; Berry and Crawford, 1988).

The ultramafic rocks in the Dundas Trough occur at several localities and are largely ortho-pyroxene rich. The ultramafic rocks show well developed primary magmatic layering in places, and have been subdivided into three separate groups (or magmatic phases) by Brown (1986, 1989):

1) Layered pyroxenite-dunite (LPD);
2) Layered dunite-hartzbergite (LDH);
3) Layered pyroxenite-peridotite with associated gabbro (LPG).

5 REGIONAL NI-CU-PGE MINERALISATION STYLES

There are four main styles of Ni-Cu-PGE mineralisation observed in Tasmania:

1) Os-Ir-Ru mineralisation has been recorded from various localities associated with ultramafic bodies, for example the Osmiridium occurrences at Adamsfield, Mount Stewart, Wilsons River and Heazlewood. Alloys of Os-Ir-Ru from alluvial and elluvial deposits are generally associated with the LDH rocks (Brown 1989).

2) Trace sulphides including pentlandite and millerite occur in ultramafic bodies (e.g. Trial Harbour and Serpentine Hill Complexes).

3) Cu-Ni-(+/-PGE) sulphide mineralisation occurs within Cambrian greenschist facies dolerite dykes and sills. In these bodies mineralisation is dominated by weak to heavy disseminated sulphides (e.g. Cuni). The primary magmatic sulphide assemblage of pentlandite-pyrrhotite and chalcopyrite is variably preserved. In the near surface environment, enhanced Ni grades are found where pentlandite is altered to violarite.

4) Avebury "style" pentlandite dominant mineralisation occurs near Trial Harbour. The principal minerals found in this deposit include magnetite, pentlandite, pyrrhotite, pyrite and nickel-bearing arsenides. There is reasonable evidence for hydrothermal alteration possibly induced or enhanced by the presence of Palaeozoic granites. The apparent absence of PGE's and chalcopyrite may indicate this mineralisation formed in response to hydrothermal processes associated with late granite emplacement.

The adjacent Cambrian volcanic and volcaniclastic rocks in the tenement area are also prospective for polymetallic VHMS style mineralisation.

6 REGIONAL-SCALE EXPLORATION RATIONALE AND TARGETING

An investigation of western Tasmania was undertaken by DNL and its consultants, to assess the potential for conventional magmatic and hydrothermal Ni-Cu sulphide mineralisation. A large number of geological, geophysical and geochemical datasets were compiled and reviewed in the GIS environment. Much of the data was sourced from the Department of Mineral Resources Tasmania (MRT). Some published reports, open-file records and data from Geoscience Australia were also evaluated. A series of images were also generated.

From this GIS investigation, a number of areas were prioritized as having the potential to host Ni-Cu-PGE mineralisation, associated with mafic-ultramafic rocks. Areas with the following features of interest were highlighted:

- Significant magnetic anomalies suggesting the presence of magnetically active mafic-ultramafic rocks, at or near surface.
- Areas of known mafic-ultramafic occurrences;
- Areas of known mafic-ultramafic occurrences with high MgO (>12 wt%);
- Areas showing anomalous Cu-Ni stream geochemistry.

A number of priority areas were highlighted from this regional targeting stage and three tenements, including Dundas were applied for in early 2004.

7 TENEMENT-SCALE EXPLORATION RATIONALE AND TARGETING

The aim in applying for the EL 21/2004 - Dundas tenement was to target discrete magnetic anomalies for "Avebury-style" nickel mineralisation related to hydrothermal alteration in mafic/ultramafic phases, close to Devonian granitoids. The magnetic anomaly in this area (**Fig. 3**) is coincident with a large body of serpentinite, in an area of tin mineralisation related to fluids from Devonian granite at depth. The magnetic anomaly may relate to serpentinisation of ultramafic and/or to hydrothermal alteration of the ultramafic body associated with fluids from the Devonian granites. As with the Avebury nickel mineralisation, there is the possibility of nickel mineralisation associated with hydrothermal alteration of pre-existing mafic/ultramafic intrusions.

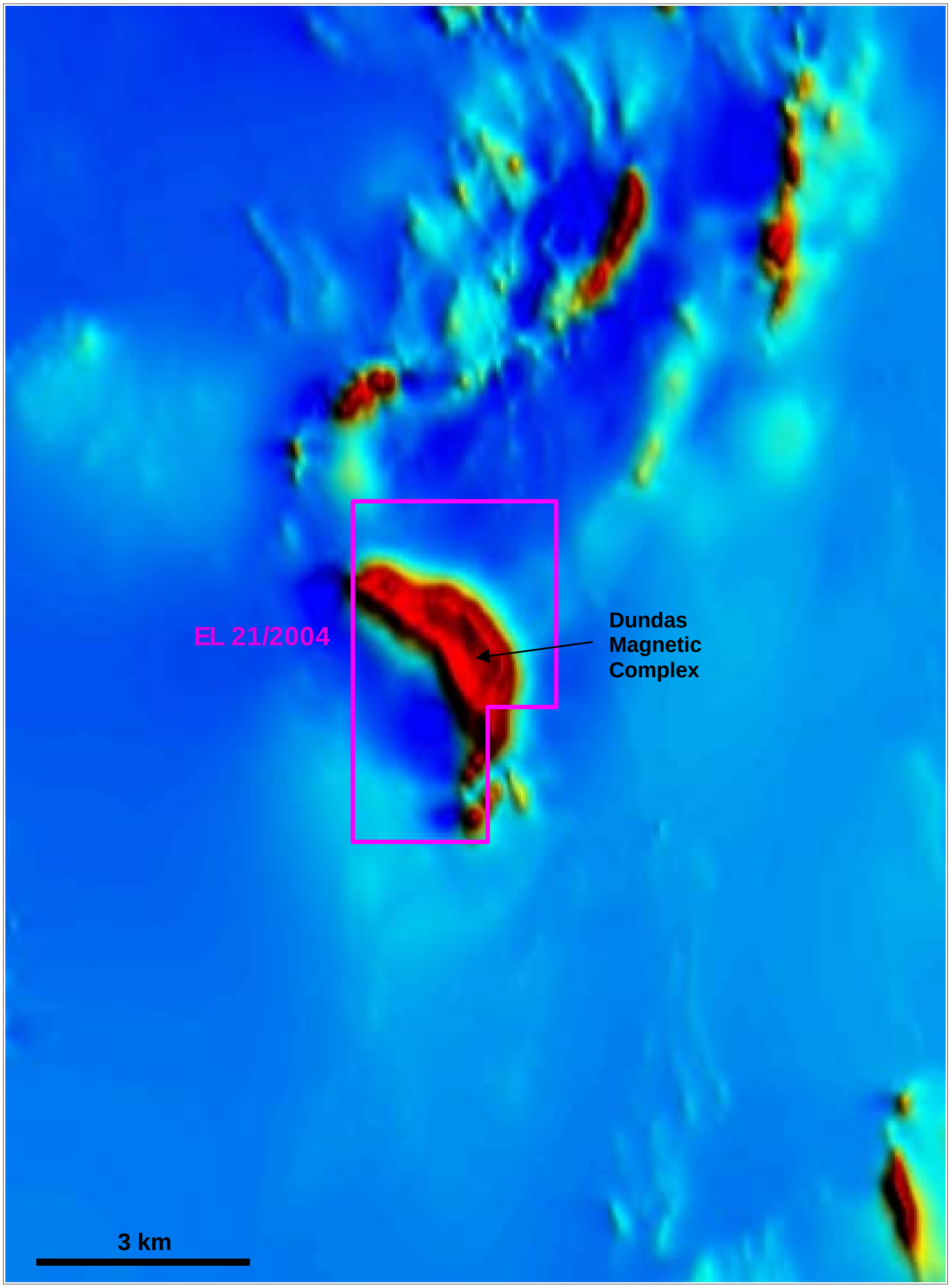

Figure 3: Dundas Area Magnetic Image

8 PREVIOUS WORK

Overall, a moderate amount of exploration has been carried out over EL 21/2004 - Dundas. However, this work has been directed towards discovery of VHMS polymetallic systems. No exploration targeted for nickel sulphides has been completed over the area.

9 EXPLORATION WORK COMPLETED AND RESULTS

9.1 Introduction

After completing a regional evaluation of western Tasmania using MRT data (Geology, Geochemistry, Geophysics, etc.) and previous companies exploration reports, DNL applied for three tenements containing mafic-ultramafic occurrences permissive to Ni-Cu-PGE sulphide mineralisation. Then the MRT surface geochemical data were processed (leveled by sampling technique) by DNL, and a series of images relating to the distribution of nickel and copper anomalism across western Tasmania were generated. These Ni and Cu distribution maps were then compared to aeromagnetic datasets of western Tasmania, in which mafic and ultramafic rocks appear as relatively high magnetic intensity anomalies. A brief field visit was conducted in 2004, in order to locate the mafic-ultramafic rocks on the ground and collect rock chip samples for a more focused geochemical analysis.

9.2 MRT Stream Sediment Anomalies

Approximately 15,000 stream sediment samples were acquired from MRT. These data were processed and merged with pre-existing MRT data to produce a stream-sediment geochemical coverage for western Tasmania. Samples with Ni and Cu assays were levelled (on the basis of recorded sample mesh size) and reprocessed, and images of each element were created. Analysis of these data uncovered a prominent copper anomaly in the northern part of the EL 21/2004 - Dundas tenement area but no significant nickel anomalism was identified (**Fig. 4**). Further exploration work is needed in order to establish the cause of this copper anomaly.

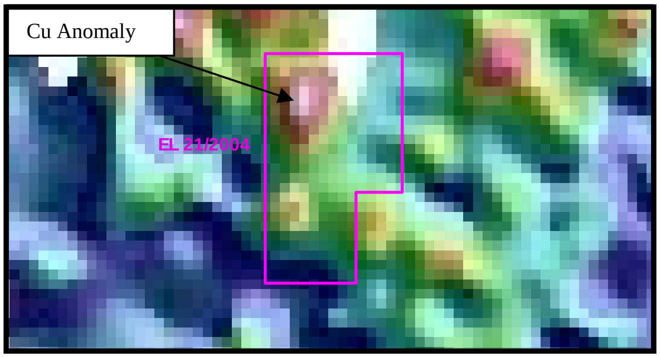

Figure 4: Dundas Area Cu levelled image.

9.3 Geochemical Sampling

A reconnaissance field trip was made to the three tenements in 2004 by DNL, for the purpose of taking fresh rock samples for geochemical analysis. A total of 46 samples were collected from the three areas. The samples were assayed by ALS for a suite of major, minor and trace elements and interpreted by Nickel Specialist Jeff Foster. There were some minor problems evident with some of the recorded element levels (as compared with the standard submitted), but overall, the data are largely within acceptable ranges (**Appendix 1**).

Five samples (D1-S,D2-S, D4-S, D5-S & D6-S) were collected from an ultramafic body to the west of Zeehan within the EL21/2004 - Dundas tenement. Of these, two samples appear relatively unaltered. The unaltered samples are characterised by very high MgO (~ 38 wt %) and very low Al2O3 (~ 0.25 wt %), CaO (~ 0.02 wt%) and TiO2 (BDL). These features are unusual and quite distinct from olivine cumulates associated with komatiitic to picritic liquids. The near total absence of Al2O3, CaO and TiO2 would require a parental melt with low concentrations of these elements and thus a refractory melt source region.

Boninites are high MgO and SiO2 rich melts derived from re-enriched refractory lithospheric mantle. The re-enrichment of the source region is particularly evident in the REE patterns for these rocks, with variably enriched LREE's and HREE's resulting in 'U' shaped profiles on a chondrite normalised spidergram. The Dundas samples are highly enriched in the LREE's and thus the overall geochemical characteristics of these rocks are consistent with derivation from a boninitic like parental melt.

10 CONCLUSIONS

10.1 Interpretation of Whole Rock Analysis

From the analysis of the whole rock it was interpreted that the geochemical characteristics of the mafic rocks found throughout the survey areas it is interpreted that:

1. The ultramafic rocks have geochemical characteristics similar to cumulates formed from boninitic like melts.

2. There is no significant evidence for concurrent crustal contamination and chalcophile element depletion.

3. There is no evidence of any significant chalcophile element enrichment associated with the presence of primary magmatic sulphides.

4. The rocks analysed are consistent with formation in a volcanic arc environment.

10.2 Tectonic Setting

The geochemical data described above are broadly consistent with a series of lavas formed within an arc environment. Similar lavas are found within the Tertiary to recent Western Pacific island-arc system between New Guinea and Japan.

The present juxtaposition of rock successions in Western Tasmania is considered to be the result of obduction of parts of a Cambrian island-arc system onto a continental terrane at the end of the Cambrian, followed by further deformation during a mid-Devonian Orogeny (e.g. Brown, 1992; Brown and Jenner, 1988; Berry and Crawford, 1988).

Tectonic settings of this type are not favorable to the formation of giant magmatic Ni-Cu+/-PGE systems. However, this tectonic setting (overprinting mid-Devonian Orogeny and associated granite suite development) is favorable to the formation of hydrothermal related “Avebury-style” nickel sulphide mineralisation. Therefore, further exploration in this area should be concentrated on this style of mineralisation and not magmatic Ni-Cu+/-PGE sulphide mineralisation.

11 EXPENDITURE

Exenditure on DNL's EL 21/2004 – Dundas tenement for the year ending on the 25th of June 2005 totaled $ 6479.37 (**Table 2**).

Table 2: EL 21/2004 – Dundas expenditure for the year ending 25th of June 2005.

Details	Expenditure for year 1 ($)
Whole rock geochemical dataset for Western Tasmania	852.84
Geochemical analysis of rock samples	222.30
Geological Consulting	1709.09
DNL Salaries	850
Travel costs	2000
	Sub Total
	5634.23
Administration costs (15%)	845.14
	Total
	6479.37

12 FUTURE EXPLORATION PROGRAM

DNL plans to complete a follow up ground investigation and geochemical analysis of the copper anomaly uncovered in the EL 21/2004 – Dundas tenement. Then if this geochemical anomaly holds up to geological scrutiny, DNL plans to cover this area with a ground EM survey in order to define a drill target.

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APPENDIX 1

Geochemical analysis results from the 2004 reconnaissance rock samples taken by DNL

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	Easting	Northing	Comment		WtAu	Pt	Pd	Ag	Ba
UNITS	**ADG66**	**Zone 55 S**		**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
DETECTION				0.02	0.001	0.0005	0.001	1	0.5
METHOD				WEI-21	PGM-MS2	ME-MS81	ME-MS81	ME-MS81	ME-MS81
D1	369637	5362981	Serpentinite	0.95	<0.001	<0.0005	0.001	2	22.3
D2	369590	5362986	Ironstone	1.67	0.001	<0.0005	0.001	<1	16
D4	330311	5363629	Serpentinite	0.81	<0.001	<0.0005	0.001	<1	39.4
D5	370227	5362985	Ironstone formed on Serpentinite	1.08	<0.001	0.0009	0.001	<1	9.1
D6	369480	5363445	Serpentinite	1.23	<0.001	<0.0005	0.001	<1	3.8
M1-S	361663	5312262	Grey fine grained volcanic.	4.06	0.003	0.0079	0.012	<1	230
M2-S	361868	5312226	Cherty Basalt?	4.69	0.001	0.0037	0.004	1	183
M5-S	362475	5311548	Fine grained basalt	3.43	0.004	0.0027	0.011	<1	158.5
M12-S	354752	5303588	Tuff?	2.21	0.001	0.0023	0.004	1	306
M13-S	354877	5303435	Dyke as marked on map	2.47	<0.001	<0.0005	0.001	2	265
M15-S	354924	5302639	Fine grained Volcanic with pyrite present	3.45	0.005	0.0022	0.014	1	157.5
M16-S-A	355463	5300596	Dyke with pyrite, pillow basalt	4.39	0.001	<0.0005	0.001	<1	282
M16-S-B	355513	5300411	Fine grained pillow basalt	1.92	0.001	0.0005	0.001	<1	28.8
M16-S-C	355482	5300384	Coarser grained more felsic basalt/andesite	3.21	0.001	0.0069	0.006	1	337
M21-S	367796	5307186	Mafic rock, up the beach	5	0.001	<0.0005	0.001	1	4.4
M22-S	370169	5306883	Mafic rock	2.84	0.001	<0.0005	0.002	3	144.5
M25-S	368048	5302140	Serpentine	2.51	<0.001	0.0144	0.001	<1	<0.5
M26-S-A	365275	5297885	Serpentinite	2.02	0.001	0.0059	0.001	<1	<0.5
M26-S-B	365310	5297925	Serpentinite	2.28	0.001	0.0035	0.001	<1	81.2
M27-S	363306	5278589	Serpentinite	3.89	0.001	0.0074	0.009	<1	396
M30-S	361976	5312173	Serpentinite	3.43	0.002	0.0072	0.011	1	33.2
M31-S	370146	5306945	Pyroxenite in mylonite zone	1.89	<0.001	0.0007	0.001	2	6770
M33-S	368093	5297925	Serpentinite	2.27	0.002	0.0564	0.001	<1	1.8
P1-S-A	342375	5386315	3 mafic rock samples, one 20m up stream and 20m down stream	2.17	0.001	<0.0005	0.001	<1	175.5

Ce	**Co**	**Cr**	**Cs**	**Cu**	**Dy**	**Er**	**Eu**	**Ga**	**Gd**	**Hf**	**Ho**	**La**
ppm	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
0.5	0.5	10	0.1	5	0.1	0.1	0.1	1	0.1	1	0.1	0.5
ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
<0.5	217	2770	<0.1	<5	<0.1	<0.1	<0.1	1	<0.1	1	<0.1	0.6
3.9	94.8	>10000	<0.1	<5	0.5	0.3	<0.1	6	0.4	2	0.1	3.8
8.6	142.5	3300	<0.1	10	0.1	0.1	<0.1	1	0.2	<1	<0.1	3.2
4.8	67.9	>10000	<0.1	<5	0.7	0.5	0.1	11	0.7	2	0.1	6.4
1.9	106	2650	<0.1	44	0.1	0.1	<0.1	1	0.2	<1	<0.1	4.2
27.2	61.7	310	2.4	60	4.9	3.2	1	17	4.2	3	1.1	13.8
7.6	55.6	1260	0.3	29	2.4	1.8	0.4	10	2	1	0.6	10.8
47.7	56.4	130	2.2	177	8.3	4.4	2.6	23	9.2	6	1.6	24.2
49.3	43	180	18.9	69	6.8	4.2	1.2	19	6.7	5	1.4	27.4
1.5	1.4	20	0.6	<5	0.3	0.2	0.1	1	0.3	1	0.1	1.4
42.2	52.3	100	0.1	311	7.6	4	2.5	24	8.6	6	1.5	18.8
60.7	31.8	70	0.5	56	5	3.5	1.4	15	4.8	2	1.2	39.4
70.9	55.3	150	0.1	134	6.6	4.9	1.8	19	6.2	4	1.5	43.9
28.4	73.4	490	0.4	29	3.6	2.4	0.9	13	3.2	2	0.8	17
9.6	2.4	70	<0.1	10	0.5	0.3	0.1	<1	0.7	1	0.1	8
<0.5	106.5	5830	2.1	<5	0.1	<0.1	<0.1	1	0.1	<1	<0.1	<0.5
<0.5	116	4050	<0.1	<5	0.1	<0.1	<0.1	<1	0.1	<1	<0.1	0.7
1.2	117.5	2850	<0.1	8	0.1	0.1	<0.1	1	0.1	<1	<0.1	1.3
11.8	1235	>10000	0.2	<5	0.6	0.4	0.1	2	0.8	1	0.1	5.7
0.8	49.9	280	1.7	19	0.8	0.6	0.1	8	0.5	<1	0.2	2
2.6	62.8	1340	0.4	82	2.8	2.1	0.4	10	1.7	1	0.7	3.4
<0.5	83.3	4240	2.3	<5	0.1	0.1	0.7	<1	0.1	<1	<0.1	0.5
1.8	86.9	1960	1.1	<5	0.2	0.1	<0.1	<1	0.2	<1	<0.1	2.7
62.8	100.5	450	0.6	65	4.9	2.2	2.1	22	6.6	5	0.9	34.4

Lu	**Mo**	**Nb**	**Nd**	**Ni**	**Pb**	**Pr**	**Rb**	**Sm**	**Sn**	**Sr**	**Ta**	**Tb**
ppm	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
0.1	2	1	0.5	5	5	0.1	0.2	0.1	1	0.1	0.5	0.1
ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
<0.1	3	<1	<0.5	3590	7	<0.1	0.5	<0.1	<1	4.6	<0.5	<0.1
<0.1	5	3	1.3	249	28	0.4	1.3	0.3	1	3.6	<0.5	<0.1
<0.1	<2	1	0.6	3090	<5	0.2	0.3	0.1	<1	11.2	<0.5	<0.1
0.1	6	4	1.9	311	35	0.6	0.8	0.3	2	6.8	<0.5	0.1
<0.1	2	<1	0.6	2170	<5	0.3	0.2	0.1	<1	4.1	<0.5	<0.1
0.4	<2	8	13.5	138	<5	3.2	21.4	3.4	1	217	0.5	0.8
0.3	<2	3	4	315	<5	1.1	6.1	1	<1	227	<0.5	0.3
0.5	2	16	32.5	122	<5	6.9	11.2	8.4	2	323	1	1.4
0.6	<2	11	24.4	89	10	6.1	129	5.8	2	139	0.8	1.2
<0.1	<2	<1	0.9	7	<5	0.2	4	0.2	<1	280	<0.5	0.1
0.5	<2	16	29.3	72	<5	6.2	9.7	7.7	1	441	0.9	1.3
0.5	2	57	23.2	71	<5	6.7	16.4	4	<1	193	2.5	0.8
0.8	<2	49	29.6	90	5	8	1	5.3	<1	312	2.1	1
0.3	<2	18	13.2	354	<5	3.5	13	2.8	1	114.5	0.9	0.5
<0.1	14	2	4	16	<5	1.2	1.3	0.7	1	9.9	<0.5	0.1
<0.1	<2	<1	<0.5	1055	<5	<0.1	0.6	<0.1	<1	8.1	<0.5	<0.1
<0.1	<2	<1	<0.5	891	<5	0.1	<0.2	<0.1	<1	1.9	0.5	<0.1
<0.1	4	1	0.6	972	<5	0.2	0.3	0.1	<1	9	<0.5	<0.1
<0.1	2	2	3.5	2840	6	1	4.9	0.7	<1	10.5	<0.5	0.1
0.1	<2	<1	0.6	138	<5	0.1	84.2	0.2	<1	173.5	<0.5	0.1
0.3	<2	1	2	350	<5	0.4	6.4	0.8	<1	56.7	<0.5	0.4
<0.1	<2	<1	<0.5	665	56	<0.1	0.3	<0.1	1	113	<0.5	<0.1
<0.1	<2	<1	0.7	384	<5	0.2	0.7	0.1	<1	6.4	<0.5	<0.1
0.2	7	37	30.4	304	<5	7.5	12.8	6.6	2	599	2	0.9

Th	**Tl**	**Tm**	**U**	**V**	**W**	**Y**	**Yb**	**Zn**	**Zr**	**SiO2**	**Al2O3**	**Fe2O3**
ppm	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
1	0.5	0.1	0.5	5	1	0.5	0.1	5	0.5	0.01	0.01	0.01
ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-IC
<1	<0.5	<0.1	<0.5	28	2	<0.5	<0.1	106	59.3	62.9	0.28	8.16
2	<0.5	<0.1	0.5	<5	3	3.3	0.3	177	79.4	30.8	2.1	52.2
<1	<0.5	<0.1	<0.5	59	3	0.7	0.1	95	17.6	41.6	0.28	6.93
2	<0.5	0.1	0.6	186	4	4.6	0.4	173	70.1	18.3	3.77	61.5
<1	<0.5	<0.1	<0.5	56	4	0.7	<0.1	39	7.3	41.1	0.25	6.2
3	<0.5	0.4	0.7	307	3	29.7	2.9	91	106.5	50.7	13.65	13.6
<1	<0.5	0.3	<0.5	221	6	16.4	1.8	53	29.5	42.5	11.45	9.68
2	<0.5	0.6	0.5	543	6	43.2	3.5	130	249	47.8	11.75	16.1
9	0.5	0.6	2.8	297	3	38.7	3.8	93	191.5	52.6	12.85	12.1
<1	<0.5	<0.1	3.4	21	1	2.6	0.2	13	56.5	9.04	0.4	0.77
2	<0.5	0.5	<0.5	539	<1	40.1	3.2	128	235	48.4	11.85	15.9
6	<0.5	0.5	1	214	4	32.2	3.5	75	134	46	17.75	12.45
6	<0.5	0.7	1.6	267	4	42.9	4.8	102	223	45.5	14.6	14.3
4	<0.5	0.3	0.5	237	1	21.1	2.3	82	107	49.7	12.25	13.15
1	<0.5	<0.1	<0.5	37	2	3.1	0.2	5	37	97.8	0.06	1.23
<1	<0.5	<0.1	<0.5	<5	1	0.5	<0.1	45	17.4	44.4	0.57	7.87
<1	<0.5	<0.1	<0.5	<5	<1	<0.5	<0.1	25	1.4	40	0.26	9.32
<1	<0.5	<0.1	<0.5	58	<1	0.9	0.1	52	4.1	51.9	0.39	9.11
2	<0.5	<0.1	0.7	<5	1	3.4	0.4	205	48.9	11.6	1.94	69.1
<1	<0.5	0.1	<0.5	205	1	5.3	0.7	33	5	52.2	15.4	8.58
<1	<0.5	0.3	<0.5	270	1	19.6	2.1	56	19.2	46.6	12.95	10.1
<1	<0.5	<0.1	<0.5	<5	3	0.6	0.1	70	13.7	45.2	0.97	7.12
<1	<0.5	<0.1	<0.5	69	1	1.2	0.2	48	3	49.1	0.56	9.38
4	<0.5	0.3	1.3	206	1	23.4	1.6	132	221	46.2	13.35	15.05

CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI
%	%	%	%	%	%	%	%	%	%	%
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
CP06ME-ICP06ME-ICP06ME-ICP06ME-ICP06ME-ICP06ME-ICP06										
0.05	20.1	0.03	0.04	0.45	<0.01	0.25	<0.01	<0.01	<0.01	7.68
0.02	0.46	0.02	0.04	3.51	0.19	0.09	<0.01	0.01	<0.01	10.25
0.02	37.7	0.02	<0.01	0.5	<0.01	0.26	0.01	0.01	<0.01	12.55
0.04	0.33	0.03	0.01	2.77	0.28	0.05	0.05	<0.01	<0.01	12.2
0.03	39	0.03	0.04	0.39	<0.01	0.05	<0.01	<0.01	<0.01	12.9
5.6	7.03	3.39	1.12	0.05	1.12	0.23	0.11	0.03	0.03	3.17
12.6	9.7	3.01	0.49	0.19	0.55	0.14	0.04	0.02	0.02	9.61
7.61	5.98	3.29	0.6	0.02	3.72	0.22	0.34	0.03	0.02	2.4
3.38	6.94	2.98	2.03	0.03	1.29	0.17	0.13	0.01	0.04	5.35
29.2	17.75	0.09	0.09	<0.01	0.01	0.04	0.09	0.06	0.01	42.2
8.7	5.66	2.12	0.53	0.01	3.69	0.21	0.33	0.06	0.02	2.34
1.82	6.6	4.7	0.72	0.01	0.99	0.18	0.53	0.02	0.03	6.12
11.7	3.83	0.96	0.09	0.02	1.26	0.23	0.42	0.03	<0.01	6.83
6.7	10.55	1.49	0.79	0.07	0.76	0.13	0.08	0.02	0.04	4.27
0.21	0.14	0.1	0.08	0.01	0.02	0.01	<0.01	<0.01	<0.01	0.24
0.32	35.1	0.14	0.08	0.77	0.03	0.11	<0.01	<0.01	<0.01	10.55
0.01	37.6	0.09	0.05	0.59	<0.01	0.05	0.02	<0.01	<0.01	12.05
0.5	33.2	0.11	0.06	0.41	0.03	0.21	0.01	<0.01	<0.01	4.04
0.08	0.84	0.12	0.16	2.46	0.14	1.08	0.02	<0.01	0.01	12.35
6.45	9.06	2.36	2.42	0.04	0.12	0.15	<0.01	0.02	0.05	3.19
7.82	14.5	2.25	0.54	0.19	0.46	0.16	0.04	<0.01	<0.01	4.36
1.77	33.5	0.17	0.1	0.63	0.01	0.35	<0.01	<0.01	<0.01	10.15
0.09	31.3	0.13	0.11	0.28	0.03	0.38	<0.01	<0.01	<0.01	8.66
7.78	8.41	2.49	1.05	0.06	2.47	0.21	0.6	0.07	0.02	2.18

	Easting	Northing	Comment		WtAu	Pt	Pd	Ag	Ba
UNITS	**ADG66**	**Zone 55 S**		**kg**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
DETECTION				0.02	0.001	0.0005	0.001	1	0.5
METHOD				WEI-21	PGM-MS2	ME-MS81	ME-MS81	ME-MS81	ME-MS81
P1-S-B	342375	5386315	Mafic rock sample, 20m down stream	1.29	0.02	0.0017	0.005	<1	245
P1-S-C	342375	5386315	Mafic rock sample, 20m up stream	2.13	0.006	0.0035	0.006	<1	133.5
P2-S-A	341744	5386698	Mafic rock sample from cliff on Pieman River	5.67	0.002	0.0037	0.014	<1	64.8
P2-S-B	341757	5386681	Weathered Volcanic, forms point on river	4.27	0.001	0.0036	0.011	<1	28
P4-S	335313	5378881	Mafic Volcanic Float	6.36	0.001	<0.0005	0.001	<1	172.5
P5-S	335778	5378815	Mafic rock Float	3.03	0.001	<0.0005	0.001	<1	198.5
P6-S	336425	5378856	Mafic rock	2.14	0.001	<0.0005	0.001	<1	170.5
P7-S	339317	5386987	Good mafic rock sample down stream from Corinna	6.92	0.001	0.0047	0.004	<1	157.5
P9-S	345648	5396122	Volcanic mafic rock	4.14	0.002	0.0098	0.012	<1	79.4
P14-S-A	340515	5388735	Mafic rock sample	2.31	0.001	0.0028	0.002	<1	118
P14-S-B	340413	5388791	Mafic rock sample	2.35	<0.001	0.0038	0.002	<1	211
P14-S-C	340399	5388786	Mafic rock sample	4.21	<0.001	0.0041	0.002	<1	228
P21-S	343424	5389453	Mafic rock sample	11.19	0.001	0.0048	0.006	<1	39.4
P23-S	340584	5388743	Mafic rock sample	4.48	<0.001	0.0023	0.002	<1	123.5
P24-S	330302	5388797	Mafic rock sample	6.51	0.003	0.007	0.006	<1	221
P25-S	339385	5387010	Mafic rock sample taken on track west of Corinna	4.14	<0.001	0.0023	0.002	<1	199.5
P27-S	339970	5384054	Mafic rock sample	5.55	0.001	<0.0005	0.001	<1	210
P-28-S	340140	5384233	Volcanic mafic rock sample	4.87	<0.001	<0.0005	0.001	<1	195
P-29-S	340050	5384217	Mafic rock sample	6.74	<0.001	<0.0005	0.001	<1	156.5
P-32-S	340443	5383352	Volcanic mafic rock sample, with ironstone oxidation	6.38	0.005	<0.0005	0.001	<1	111
J1-S	353152	5369957	Dolerite near Zeehan	4.76	0.003	0.0062	0.008	<1	135

Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Hf	Ho	La
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0.5	0.5	10	0.1	5	0.1	0.1	0.1	1	0.1	1	0.1	0.5
ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
73.7	3	120	2.6	23	6.3	4.1	1.1	21	6.6	6	1.4	38.5
50	64.2	70	0.7	387	10	6	1.9	21	9.9	4	2.2	25.8
19.8	53.3	110	<0.1	131	4.6	2.7	1.3	17	4.4	3	1	10.6
18.4	50.7	110	0.1	40	4.5	2.6	1.2	16	4.2	3	0.9	10
63.1	62.5	260	1	67	4.7	2.2	2.1	20	6.5	5	0.9	35.1
65.5	64.9	250	1.8	64	5	2.3	2.1	19	6.8	5	0.9	36.4
75.2	59.7	240	0.5	81	5.3	2.4	2.3	22	7.3	6	0.9	40.3
31.2	37.1	370	1.8	26	2.9	1.7	0.8	20	3.1	4	0.6	19.2
19.6	51.2	160	0.5	119	4.7	2.9	1.2	16	4.2	3	1	10.4
19	28.3	390	1.5	30	3.2	1.8	0.8	18	3.3	4	0.7	12
34	37.7	410	2.2	32	3.6	2.2	1.1	24	4.1	5	0.7	22.4
28.6	39.9	430	2.1	38	2.9	1.9	0.8	23	3	5	0.6	14.6
37.9	47.9	110	0.3	46	6	3.2	2	22	6.6	4	1.2	16.8
36.5	42.6	440	2.2	60	3.9	2.1	1.1	19	4.4	4	0.8	15.6
21.4	39.6	390	1.9	37	3.2	1.9	0.8	24	3.3	5	0.6	14.3
24.3	34.9	290	3.6	9	2.8	1.8	0.6	21	2.6	4	0.6	13.2
37.7	57.1	300	0.5	48	4.1	2.1	1.4	21	5.2	3	0.8	19.6
39.1	59.1	300	0.3	56	4.2	2.1	1.5	21	5.2	3	0.8	20
37.3	62.8	300	0.3	44	4.1	2.1	1.5	21	5	3	0.8	18.8
39	62.3	280	0.5	60	3.8	1.8	1.5	21	4.9	4	0.7	19.4
16	48	200	0.6	64	2.7	1.8	0.6	13	2.6	2	0.6	8.4

Lu	**Mo**	**Nb**	**Nd**	**Ni**	**Pb**	**Pr**	**Rb**	**Sm**	**Sn**	**Sr**	**Ta**	**Tb**
ppm	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
0.1	2	1	0.5	5	5	0.1	0.2	0.1	1	0.1	0.5	0.1
ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
0.6	4	13	34.8	7	5	9	158	6.7	4	6.3	0.9	1
0.7	4	13	31.9	61	<5	7.1	11.6	8.2	1	20.8	0.8	1.6
0.4	<2	8	13	74	104	2.8	6	3.6	2	272	<0.5	0.7
0.3	<2	7	12.4	72	<5	2.6	2.5	3.5	1	129.5	<0.5	0.7
0.2	7	38	29.6	210	11	7.5	16.8	6.4	2	616	2.1	0.9
0.2	6	38	31.2	220	<5	7.8	30.8	6.6	2	817	2.1	0.9
0.2	7	47	35.3	206	5	8.8	18	7.4	2	660	2.7	1
0.2	<2	19	14.2	116	25	3.8	52.2	3	5	40.7	1	0.5
0.4	<2	6	11.8	92	25	2.6	11.5	3.4	1	146.5	<0.5	0.7
0.2	<2	16	11.8	121	11	2.8	38.1	3	2	30.8	0.9	0.5
0.3	<2	24	19.5	118	11	5.2	67.9	4.2	3	95	1.4	0.7
0.3	<2	26	13.5	125	10	3.5	66.4	3.1	3	120	1.5	0.5
0.4	2	15	22.9	66	<5	5.1	2	6.1	2	95.6	0.9	1
0.3	<2	18	17	104	5	4.1	51.6	4.1	2	16.7	1	0.7
0.3	<2	24	13.2	118	15	3.3	59	3.1	3	112.5	1.4	0.6
0.3	<2	18	11.3	97	13	3	70.7	2.4	4	26.3	1	0.4
0.3	6	17	19.5	182	6	4.6	23.1	4.7	2	326	1	0.8
0.3	5	16	19.8	222	7	4.7	22.2	4.8	2	325	0.9	0.8
0.2	4	17	19	211	9	4.5	21.6	4.6	2	316	0.9	0.7
0.2	3	21	19.5	209	9	4.6	17	4.7	3	465	1.1	0.7
0.3	3	4	8.5	99	10	2.1	23.3	2.2	1	104	<0.5	0.4

Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	SiO2	Al2O3	Fe2O3
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
1	0.5	0.1	0.5	5	1	0.5	0.1	5	0.5	0.01	0.01	0.01
ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-IC
14	<0.5	0.6	3.4	140	3	38.3	4	11	235	69.8	16.45	2.57
2	<0.5	0.8	0.8	550	2	59.2	4.9	56	163	52.9	12.35	18.5
1	<0.5	0.4	<0.5	460	2	25.1	2.4	125	108.5	49	13	14.5
1	<0.5	0.3	<0.5	459	1	24.7	2.3	90	108	49.6	12.8	14.05
4	<0.5	0.3	1.4	203	2	22.4	1.6	137	232	47.1	13.3	14.6
4	<0.5	0.3	1.4	194	1	24	1.7	132	225	46.6	13.3	13.95
4	<0.5	0.3	1.6	198	1	23.9	1.7	146	286	46.2	13.25	14.75
6	<0.5	0.2	1	289	2	14.2	1.6	144	162.5	46.7	18.6	16.2
1	<0.5	0.4	<0.5	438	2	27.9	2.5	102	102	49.6	12.75	13.85
5	<0.5	0.2	0.7	209	<1	17.4	1.7	170	124.5	48.7	16.35	15.85
8	<0.5	0.3	1.1	268	1	16.8	2.1	138	167	43.2	22.8	15.85
8	<0.5	0.3	1	265	1	14.6	1.9	148	183.5	43.7	22.6	16.4
2	<0.5	0.4	<0.5	435	<1	28.8	2.7	61	158	46.9	13.95	14.2
5	<0.5	0.3	0.7	241	1	16.8	1.8	160	138	47.1	17.1	17.4
8	<0.5	0.3	0.9	256	1	13.7	1.9	138	173	42.4	23.8	17.1
5	<0.5	0.2	0.7	229	1	15	1.7	132	155	46.4	19.55	15.7
3	<0.5	0.3	0.8	168	1	20.7	1.7	116	136.5	48.8	14.1	12.6
3	<0.5	0.3	0.8	168	1	22.1	1.7	118	132	48.4	14.15	13.15
3	<0.5	0.3	0.8	161	<1	20.4	1.6	124	137.5	48.4	14.2	12.7
2	<0.5	0.2	0.7	180	<1	18.2	1.4	131	158	43.7	15.05	14.75
2	<0.5	0.2	0.6	243	1	16.7	1.7	63	66.9	52.2	13.85	9.21

CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI
%	%	%	%	%	%	%	%	%	%	%
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
CP06ME-ICP06ME-ICP06ME-ICP06ME-ICP06ME-ICP06ME-ICP06ME-ICP06										
0.07	1.21	0.24	5.45	0.02	0.83	<0.01	0.06	<0.01	0.03	3.28
0.35	5.78	0.14	0.84	0.01	2.55	0.09	0.46	<0.01	0.02	5.96
10.1	6.19	2.16	0.42	0.01	1.72	0.2	0.16	0.03	0.01	2.43
9.83	6.53	2.17	0.22	0.01	1.76	0.2	0.1	<0.01	<0.01	2.57
7.73	7.53	2.68	1.42	0.04	2.54	0.18	0.58	0.07	0.02	2.09
8	8.33	2.53	1.56	0.04	2.42	0.18	0.62	0.1	0.02	2.3
7.76	8.16	3.13	1.6	0.04	2.75	0.17	0.7	0.08	0.02	1.36
0.18	7.06	0.28	3.11	0.05	1.92	0.1	0.13	<0.01	0.02	5.74
10.7	6.76	1.75	0.55	0.02	1.64	0.22	0.1	<0.01	0.01	2.01
0.89	6.47	1.46	2.25	0.07	2.18	0.09	0.4	0.01	0.01	4.85
0.39	4.62	2.14	3.41	0.08	2.19	0.1	0.25	0.01	0.02	4.78
0.36	4.44	1.83	3.14	0.08	2.01	0.1	0.23	0.02	0.03	4.95
9.05	6.71	2.75	0.15	0.02	2.84	0.18	0.22	0.01	<0.01	2.77
0.21	6.08	1.08	3.99	0.08	2.28	0.07	0.13	0.01	0.01	4.3
0.16	4.03	1.48	2.92	0.08	2.06	0.1	0.07	0.02	0.03	5.59
0.33	4.97	1.36	5.12	0.05	2.08	0.07	0.2	<0.01	0.02	4.03
7.61	9.18	3.11	1.25	0.06	2.04	0.17	0.27	0.03	0.02	0.7
7.47	9.07	3.05	1.14	0.05	2.09	0.16	0.26	0.04	0.02	0.9
7.51	8.94	3.08	1.19	0.05	2.03	0.18	0.26	0.04	0.02	1.32
7.6	8.63	2.54	1.01	0.05	2.24	0.18	0.4	0.06	0.01	3.62
11.85	9.24	1.53	0.78	0.03	0.56	0.19	0.06	0.01	0.02	0.47