

9 December 2022

ASX ANNOUNCEMENT

AQUISITION OF EARN IN RIGHTS TO STRATEGIC NIOBIUM-REE PROJECT

Olympio acquires right to earn up to a 90% interest in the Eurelia Project in South Australia

Western Australian explorer, **Olympio Metals Limited (ASX:OLY) (Olympio or the Company)** is pleased to announce that it has executed an agreement to earn into the Eurelia Niobium-Rare Earth Element Carbonatite Project in South Australia from private company Copper Claim Pty Ltd (**Copper Claim**).

Highlights

- **Eurelia Project is highly prospective for Niobium (Nb) and Rare Earth Elements (REEs) that are essential for the global energy transition**
- **Olympio has also applied for an 81km² contiguous tenement, which it has named the Walloway Project**
- **Projects are prospective for carbonatite-hosted rare earth mineralisation including neodymium and praseodymium, and niobium, all critical minerals used extensively in electric vehicles**
- **Historical rock chip sampling returned results of up to 772ppm Niobium (Nb) in one location and 4,754ppm Total Rare Earth Oxides (TREO) in another**
- **Historical drillhole recorded 9m @ 1,647ppm TREO from 7m (ORR-K7-AC01), with the majority of historical drilling not assayed for REE mineralisation**

The Eurelia Project (**Eurelia**) is located within the Adelaide Geosyncline in South Australia (Figure 1) and encompasses a large area prospective for carbonatite-hosted REE mineralisation. Eurelia is located near the intersection of two regionally significant structures (Figure 1).

The Eurelia Project has previously been explored for diamonds and copper with little focus on the REE prospectivity. However, limited rock chip sampling delineated **a >10km trend of coincident elevated Niobium and REEs, with up to 772ppm Nb and up to 4,754ppm TREO** (Figures 2 & 3).

Furthermore, the only drill hole located within this 10km trend that was assayed for REEs (ORR-K7-AC01) returned a significant intersection of **9m @ 1,647ppm TREO from 7m**, confirming the potential for economic REE mineralisation in the trend (Figure 3).

In addition to the Eurelia earn in right, the Company has pegged an exploration lease application (**ELA**) directly to the south of Eurelia, which it has named the Walloway Project (**Walloway**).

The Walloway Project area covers a portion of a defined carbonatite, the Walloway Carbonatite, which the Company believes is highly prospective for niobium and/or REE mineralisation.

Aeromagnetic data highlights a second significant magnetic signature on the western side of the project area which is similar to the Walloway Carbonatite signature on the eastern boundary of the area, but which **has never been drill tested** (Figure 4).

Furthermore, the significant niobium and REE trend of the Eurelia Project extends south on to the Walloway Project, increasing further the potential for Walloway to host significant REE mineralisation.

Olympio's Managing Director, Sean Delaney, commented:

"The addition of the Eurelia and Walloway Projects will see Olympio significantly enhance its focus on critical minerals. We believe both projects are highly prospective for significant niobium and/or REE mineralisation within a fantastic mining jurisdiction in Australia.

"We are pleased to have secured these assets and look forward to progressing an exploration strategy in the very near future."



Figure 1. Eurelia Project location

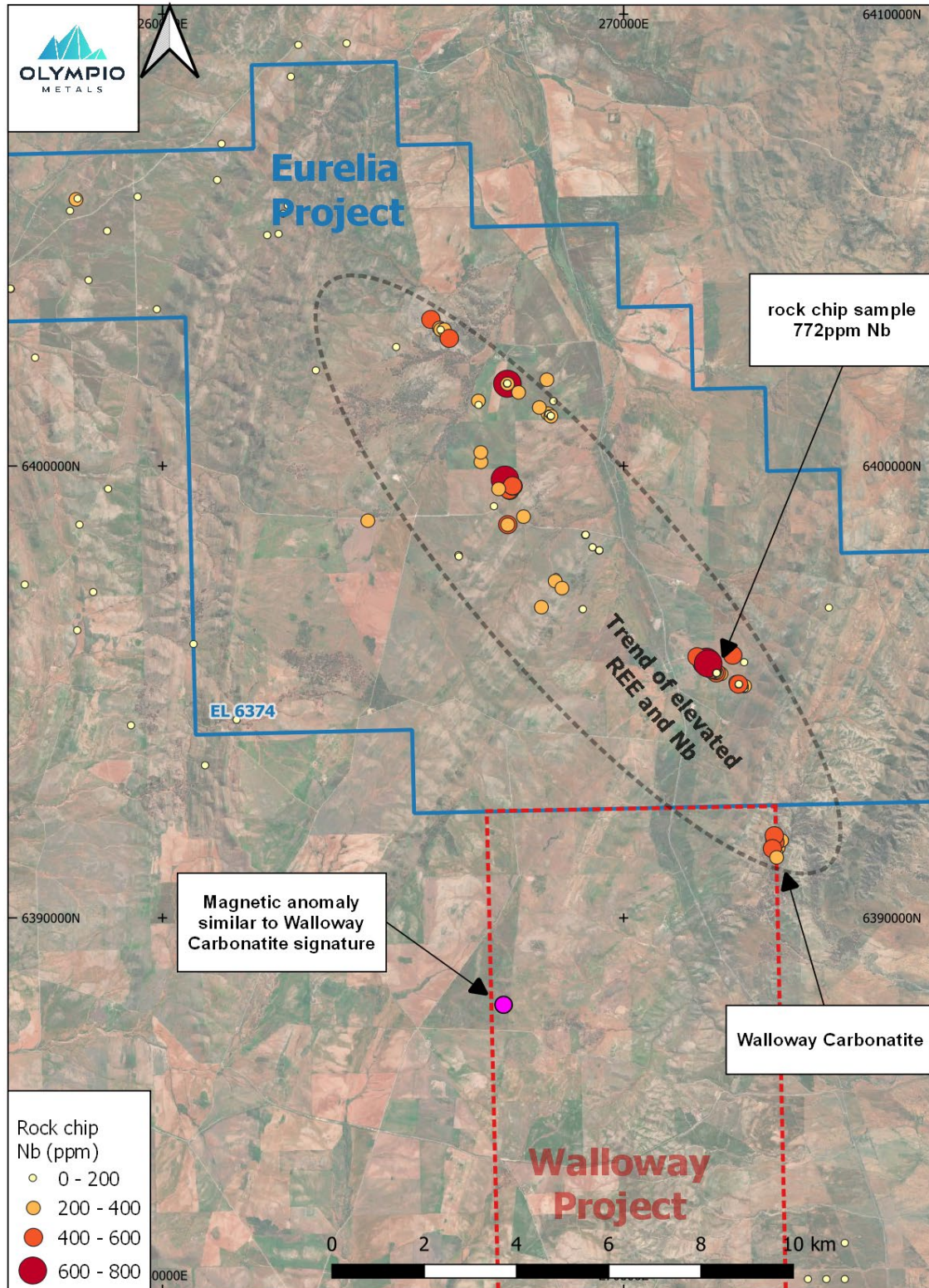


Figure 2. Niobium results for Eurelia rock chip samples

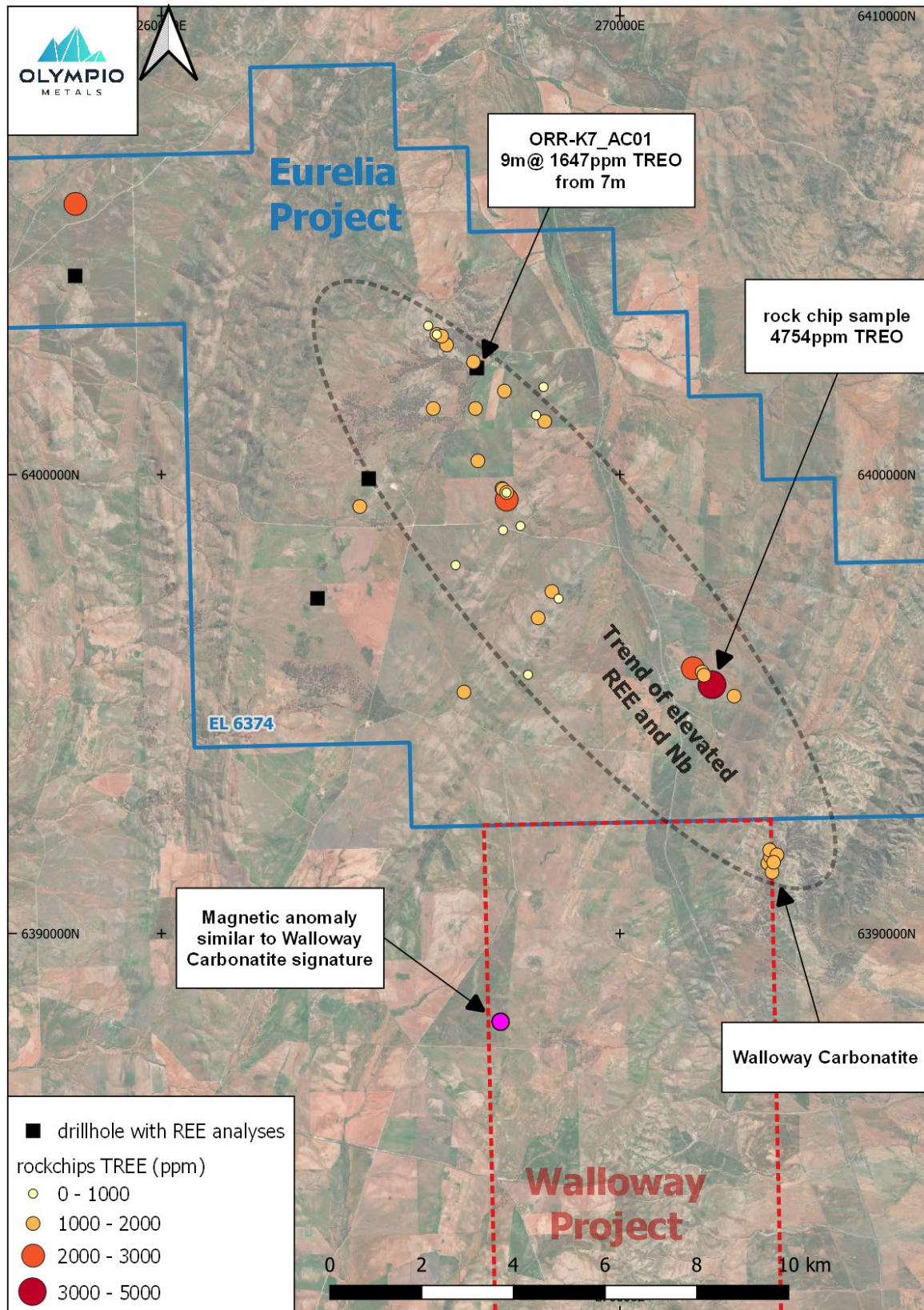


Figure 3. Total Rare Earth Oxide (TREO) results for Eurelia rock chip samples and drillholes

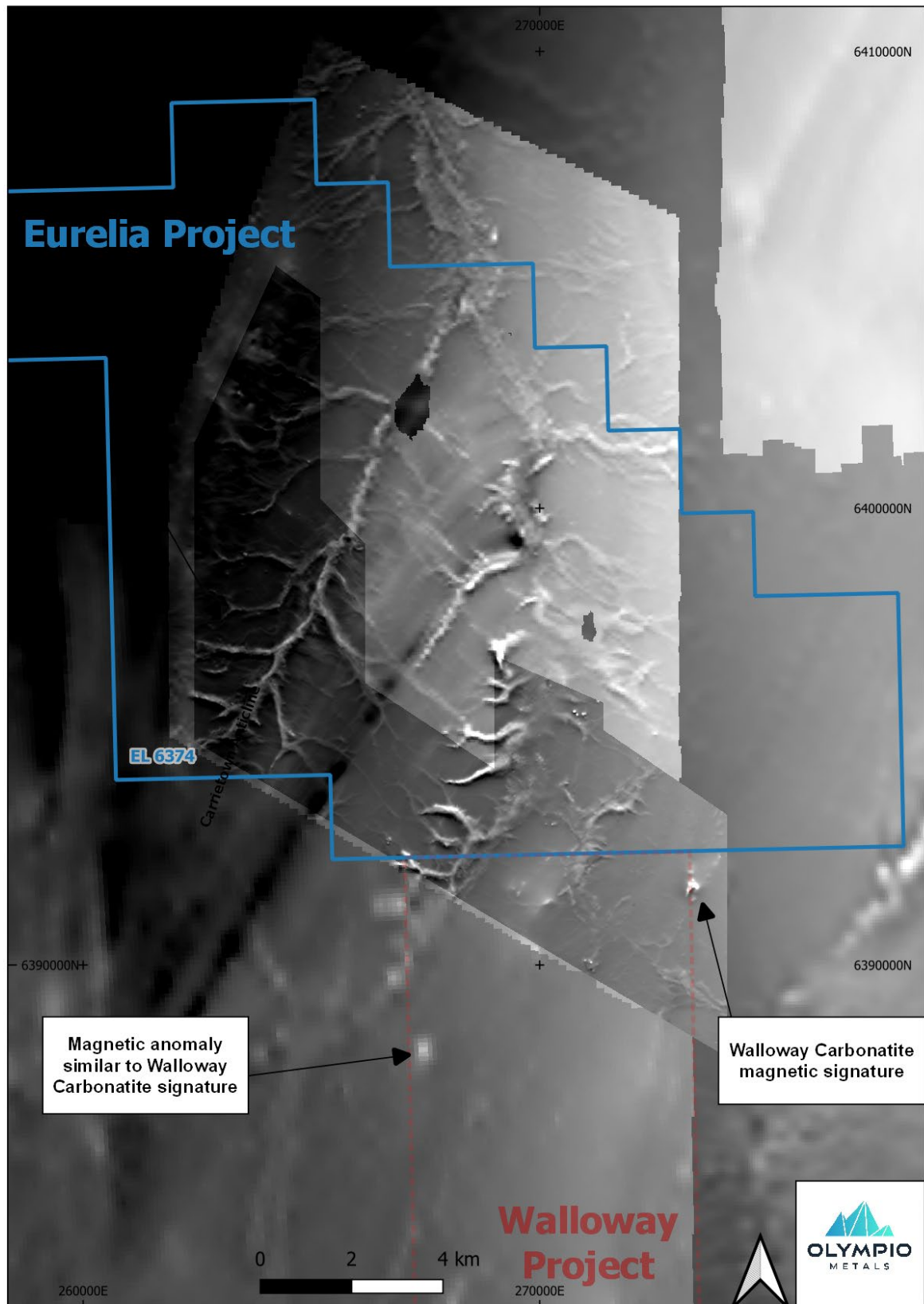


Figure 4. Aeromagnetics (TMI) highlighting circular magnetic features within Walloway Project area that are interpreted to represent carbonatites

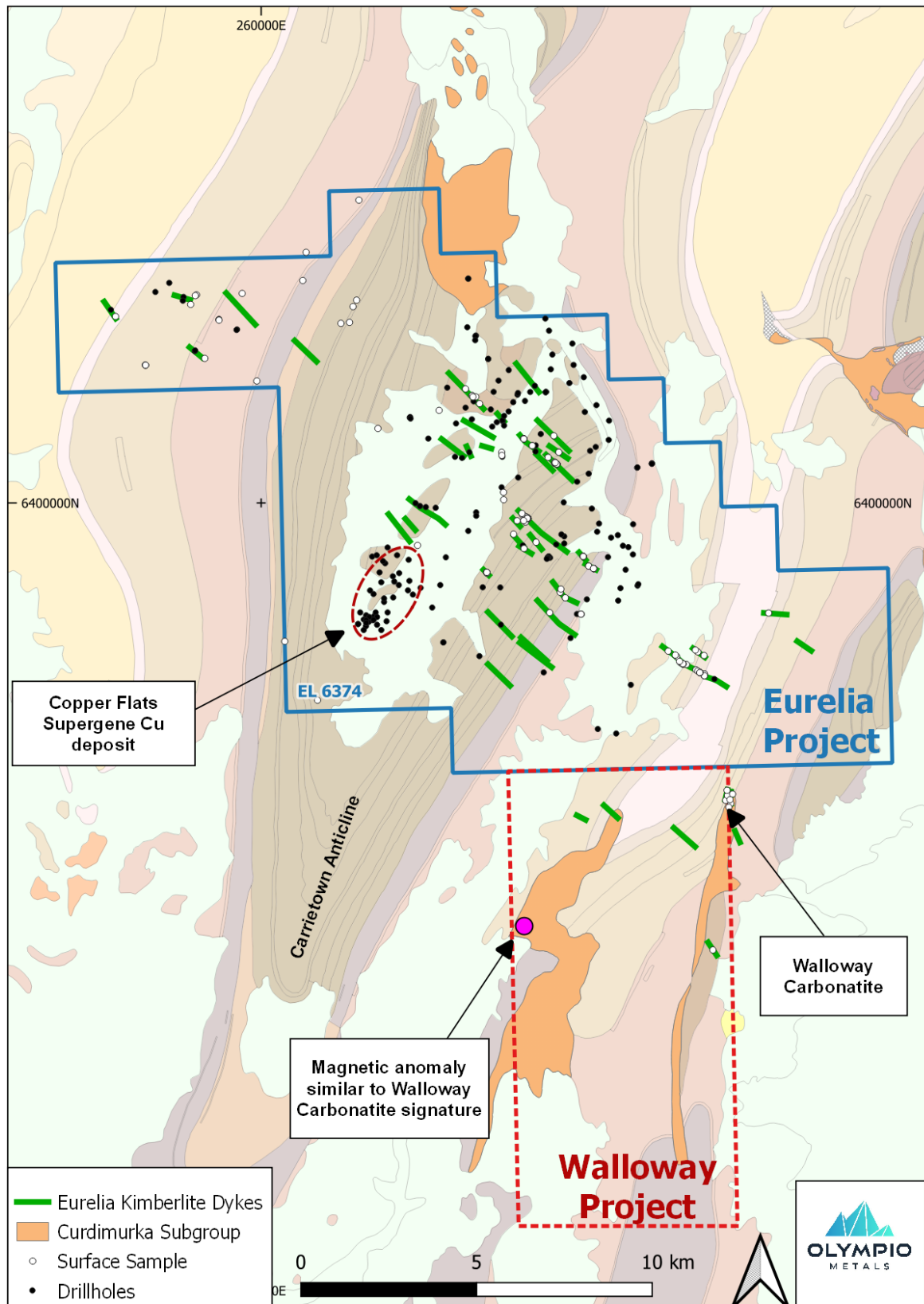


Figure 5. Historical exploration

About Carbonatites

Carbonatites are a type of igneous rock defined by their composition being rich in carbonate minerals, typically calcite or dolomite. They often occur as plugs within alkali intrusive complexes, or as dykes, sills, breccias or veins. They are generally associated with major crustal scale features in rift-related tectonic settings.

Carbonatites may be mineralised with REEs, niobium, phosphorus, tantalum, uranium, thorium, copper, iron, titanium, vanadium, barium, fluorine and zirconium.

Carbonatite-hosted mineralisation is one of the main sources of economic REE and niobium ores globally, with Lynas Rare Earths (**LYC:ASX**) large Mt Weld mine in Western Australia and MP Minerals' large Mountain Pass mine in California both hosted in carbonatites.

The Walloway Carbonatite is considered part of the Eurelia kimberlite field. The Eurelia kimberlite dykes are the only diamond bearing kimberlites in South Australia, providing further confirmation of the deep mantle association of the G2 structural corridor in the Walloway/Eurelia region.

Project Background

The Eurelia Project (EL6374) is located within the Adelaide Geosyncline (Figure 1) and comprises mostly folded Proterozoic sediments of the Adelaidean System typically associated with regional NE and NW trending faults and anticlinal fold structures.

This structural pattern is associated with the Late Cambrian-Early Ordovician Delamerian Orogeny, which created complex folding and faulting associated with a dominant east-west oriented compression. Extensive areas of outcropping diapiric breccia correlated with the Willouran Callanna Beds (Curdimurka Group) occur in zones of structural weakness and as exposures in the crests of anticlinal fold structures.

Walloway Carbonatite

The Walloway Carbonatite is part of a suite of small dykes and plugs of carbonate-rich and chemically evolved ultramafic lamprophyre of Jurassic age (~170 Ma), within a small contemporaneous diapiric zone (Walloway Diapir, ~10km long x 100-800m wide) in the Orroroo (Eurelia) region at the eastern margin of the Gawler Craton in South Australia (Jaques, 2008, Nelson et. al. 1988).

The Walloway carbonatite has similar C, Nd and Pb isotopic compositions to carbonatites elsewhere but more radiogenic Sr and heavier O (Nelson et al., 1988).

The Walloway Carbonatite occurs on the very eastern margin of the Walloway ELA. A historical rock chip sample of the Walloway carbonatite dyke within the ELA area had a grade of 518ppm Nb.

The Walloway Carbonatite was the first mantle rock-type found in the Eurelia field (1971). It appears to have a much more significant magnetic signature than the many subsequently discovered kimberlite dykes, suggesting the timing/genesis of the Walloway Carbonatite may be different.

Despite the size of the magnetic anomaly, only a series of narrow dykes have ever been identified at surface. It is possible that the surface carbonatite dykes are the surface expression of a larger diatreme/breccia zone at depth.

The Walloway Carbonatite (and the Eurelia dykes) show elevated REE and Nb, and further investigation is required to establish the scale and characteristics of the enrichment.

Detailed magnetics have not been flown over the majority of the Walloway application EL.

Historical Exploration Results

Several companies have conducted exploration campaigns over the Eurelia and Walloway Project areas however, most of the focus has been on diamond and copper exploration, with very limited work completed on the REE potential.

Rock chip sampling has returned several anomalous REE results, with several results assaying >1,500ppm TREO, as shown in Table 1, with only four historical drillholes ever assayed for REEs, (see Appendix 1 for full table of results).

Table 1. Significant historic rock chip sample results (>1,500ppm TREO)

Sample No	Easting (MGA94 Z54)	Northing (MGA94 Z54)	TREO (ppm)	Magnet REO (%)
100149	272,013	6,395,420	4,754	19%
EU-100050	272,012	6,395,417	4,149	22%
EU-100051	271,595	6,395,777	2,776	27%
EU-100052	267,532	6,399,455	2,544	19%
101489	258,124	6,405,899	2,304	26%
100145	267,482	6,401,819	1,921	18%
EU-100049	271,798	6,395,697	1,866	15%
WD09-06	273,230	6,391,530	1,797	22%
100153	271,836	6,395,627	1,700	16%
100068	267,429	6,399,698	1,678	13%
WD09-05	273,270	6,391,816	1,671	20%
WD09-04	273,284	6,391,669	1,653	20%
CD4968	264,522	6,399,908	1,505	19%

Note: Magnet REO = (Nd + Pr / TREO)

Tenement Status

Eurelia EL6374

Tenement EL6374 (previously named EL5373) is held by private company, Australian Diamond Mining Group Pty Ltd (**ADMG**). Another private company, Copper Claim, has held 100% of the non-diamond mineral rights on Tenement EL6374 by agreement with ADMG since December 2017.

The current tenement, Eurelia EL6374, expired on the 17/11/2022, and a renewal application was made by ADMG on 24/10/2022.

Olympio's agreement with Copper Claim for EL6374 is for all mineral rights excluding copper and the already excluded diamond rights held by ADMG.

Walloway EL Application

The Walloway application was made by Olympio in November 2022 and covers 81km² (EL Application 2022/00114).

Summary of Term Sheet

Olympio has entered into a binding term sheet with Copper Claim to document the terms of the transaction (**Term Sheet**).

Under the Term Sheet, Olympio has agreed to pay Copper Claim \$50,000 cash on signing and issue 750,000 OLY shares at a deemed issue price of \$0.18 per share on notification of the renewal of EL6374.

Olympio is to earn a 90% interest in the exploration rights in the tenement (excluding diamond and copper rights) by spending \$1,000,000 over a period of three years, with a minimum expenditure of \$100,000 over the first 18 months.

Once Olympio has earned a 90% interest in the tenement, an unincorporated joint venture (**JV**) is to be established between the parties and the Term Sheet will be replaced with a formal JV agreement. Each party will contribute to the JV on a pro-rata basis to their ownership percentages.

Should Copper Claim elect not to contribute to ongoing expenditure on the tenement for any period, a straight-line dilution will apply to their ownership percentage whereby every \$20,000 spent on the tenement by Olympio will increase Olympio's exploration rights by 1% until it owns a 95% interest.

Once Copper Claim's interest is reduced to 5%, Copper Claim's interest will convert to a 1% gross royalty and Olympio will own 100% of the non-diamond and non-copper rights.

Deferred contingent consideration

In the event that Olympio defines a JORC-compliant Mineral Resource Estimate of greater than 6 million tonnes of contained TREO using a cut-off grade of at least 500ppm TREO within the tenement, Copper Claim will be entitled to a cash payment of \$1,000,000.

Right of first refusal over copper mineral rights

Copper Claim has also agreed to grant Olympio a first right of refusal to buy the copper rights over the Eurelia Project from Copper Claim. Detailed terms of this first right of refusal will be set out in the formal JV agreement to be entered into on Olympio acquiring a 90% interest in Eurelia on completion of the earn in referred to above. Pending entry into the formal JV agreement, the right of first refusal under the Term Sheet precludes Copper Claim from disposing of the Eurelia copper rights first offering to sell them to Olympio on terms no less favourable than those agreed with a third party buyer, with the time period for Olympio to match the third party offer being a reasonable period in the circumstances.

Other matters

The Term Sheet is otherwise on terms considered standard for a transaction of this nature, including customary representations and warranties from Copper Corp in relation to the tenement and information provided, and customary exclusivity provisions.

The announcement is authorised by the Board of Olympio Metals.

For further information:

Sean Delaney

Managing Director

E: sdelaney@olympiometals.com.au

T: +61 409 084 771

Fraser Beattie

White Noise Communications

E: fraser@whitenoisecomms.com

T: +61 400 643 799

Competent Person's Statement

The information in this announcement that relates to exploration results is based on information compiled by Mr Neal Leggo, a Competent Person who is a Member of the Australian Institute of Geoscientists and a consultant to Olympio Metals Limited. Mr Leggo has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and 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 Leggo consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

References

- Cooper, S.A.** 2016 Eurelia Project EL5373, Annual Technical Report to 17/1/2016, Copper Claim Pty Ltd, unpublished exploration report,
- Cooper, S.A. & Morris, B.J.**, 2012. A review of kimberlites and related rocks in South Australia, 2012/00006, Department for Manufacturing, Innovation, Trade, Resources and Energy
- Jaques, A.L.** 2008. Australian Carbonatites: Their Resources and Geodynamic Setting, 9th International Kimberlite Conference Extended Abstract
- Miller, D.T. & Parker, F.M** 2010. Annual Technical Report for period to 31/12/2009, EL3919, 4184, 4209, 4208, 3444, 3693, 4404, Report 09/55, PIRSA Open File Envelope ENV9915
- Nelson, D.R., Chivas, A.R., Chappell, B.W., McCulloch, M.T.**, 1988. Geochemical and isotopic systematics in carbonatites and implications for the evolution of ocean-island sources. *Geochimica et Cosmochimica Acta*, 52, 1-17.
- SARIG**, 2022. Extract of data from South Australian Resource Information Gateway Orroroo S154-01 Surface Geochemistry November 2022; <https://map.sarig.sa.gov.au/>

Appendix 1: JORC Code Table 1 - Eurelia Project

Section 1 Sampling Techniques and Data

Criteria	Explanation	Comment
Sampling techniques	<i>Nature and quality of sampling.</i>	<p>The Company has not yet acquired any new samples for analysis, all tenement selection and target identification has been based on open file historical data sourced from open file reports and open file digital data. All exploration results reported are from work by previous explorers or government agencies.</p> <p>The results are considered to have been generated from work programs representing usual industry practice for the time they were collected, and analysed at commercial laboratories who serviced the mineral exploration industry. However, for much of the work in the historical reports there is only limited information to address specific Table 1 criteria.</p> <p>Rock chip samples were collected from kimberlite exposures in costeans. Sample size and weight is unknown.</p> <p>Drill chip samples were collected from Aircore drilling in 2010. The sampling method is unknown.</p>
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	
	<i>Aspects of the determination of mineralisation that are Material to the Public Report.</i>	
Drilling techniques	<i>Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	Drilling reported was aircore. No further details known.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	No information regarding sample recovery are available.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	Drill chips were logged by a geologist on site, and are recorded in tabular format.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	
	<i>The total length and percentage of the relevant intersections logged.</i>	
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	<p>Sub-Sampling techniques for costean rock-chip samples are unknown.</p> <p>Sub-Sampling techniques for aircore drilling are unknown.</p>
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	
	<i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i>	
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	

Criteria	Explanation	Comment
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	All assays are based on extracts from government databases, primarily SARIG (the South Australian Resource Information Gateway) and upon review have been treated at face value. No validation or check assaying has been carried out at this time.
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	Assays of the historical samples reported were completed at ALS Chemex, Perth. Assay methods for REE was ME-MS81 (Rare earth and trace elements using ICP-MS, 53 elements) Assay Methods for Silicate Oxides ME-ICP85 (Silicates, fusion, ICP-AES determination, 14 elements)
	<i>Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.</i>	It is not known if standards or blanks were used. No results were recorded.
	<i>The verification of significant intersections by independent or alternative company personnel.</i>	
Verification of sampling and assaying	<i>The use of twinned holes.</i>	No verification details are available.
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	
	<i>Discuss any adjustment to assay data.</i>	
Location of data points	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	Location methods for samples are unknown. It is assumed they were by portable GPS. All data is provided in MGA95 Z54.
	<i>Specification of the grid system used.</i>	
	<i>Quality and adequacy of topographic control.</i>	
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	Not applicable
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	
	<i>Whether sample compositing has been applied.</i>	
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Not applicable
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	
Sample security	<i>The measures taken to ensure sample security.</i>	No information is available.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	No information is available.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<i>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.</i>	The exploration results reported pertain to EL 6374 and ELA 2022/00114 in South Australia. Tenement EL6374 (previously EL5373) is held by private company, Australian Diamond Mining Group Pty Ltd (ADMG). Another private company, Copper Claim, has held 100% of the non-diamond mineral

Criteria	JORC Code explanation	Commentary
	<i>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.</i>	rights on Tenement EL6374 by agreement with ADMG since December 2017. The current tenement, Eurelia EL6374, expired on the 17/11/2022, and a renewal application was made by ADMG on 24/10/2022. Olympio's agreement with Copper Claim for EL6374 is for all mineral rights excluding copper and the already excluded diamond rights held by ADMG. The Walloway application (EL Application 2022/00114) was made in November 2022 by Olympio Metals and covers 81km ² . Olympio is unaware of any impediments for exploration on these licences.
Exploration done by other parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	The Company has not undertaken any exploration. All exploration results reported are from work by previous explorers or government agencies. Results reported have been based on historical data sourced from open file reports and open file digital data. Previous explorers of the Eurelia region include DeBeers, Orogenic Exploration, Flinders Diamonds Limited (Flinders Mines Limited after 2008) and Copper Claim Pty Ltd.
Geology	<i>Deposit type, geological setting and style of mineralisation.</i>	The Eurelia Project is located within the Adelaide Geosyncline in South Australia and comprises mostly folded Proterozoic sediments of the Adelaidean System typically associated with regional NE and NW trending faults and anticlinal fold structures. This structural pattern is associated with the Late Cambrian-Early Ordovician Delamerian Orogeny, which created complex folding and faulting associated with a dominant east-west oriented compression. Extensive areas of outcropping diapiro breccia correlated with the Willouran Callanna Beds (Curdimurka Group) occur in zones of structural weakness and as exposures in the crests of anticlinal fold structures. The Walloway Carbonatite occurs within the project area. It is part of suite of small dykes and plugs of carbonate-rich and chemically evolved ultramafic lamprophyre of Jurassic age (~170 Ma), within a small contemporaneous diapiro zone (Walloway Diapiro, ~10km long x 100-800m wide) in the Orroroo (Eurelia) region at the eastern margin of the Gawler Craton (Jaques, 2008, Nelson et. al. 1988).
Drill hole information	<i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: eastings and northings of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole downhole length and intersection depth hole length.</i>	Summaries of significant previous drill intersection on the Project are provided in the report. The Eurelia Project area has previously been explored for diamonds and copper with earlier explorers having little focus on the REE prospectivity. Few historical drillholes were analysed for REE or niobium.
	<i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i>	Drillhole information pertaining to diamond and copper prospectivity have been excluded (to some extent) on the justification that the company does not hold the rights to diamond mineralisation or copper mineralisation.
Data aggregation methods	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</i>	
	<i>Where aggregate intersections incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i>	Average reporting intervals are based on reported results derived from applying a cut-off grade of Significant intersections at ZZZ prospect have been previously reported to the ASX by
	<i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	Metal equivalent values have been reported as TREO (total rare earth oxides) which provides an arithmetic addition of the analytical results for each of the elements analysed. Each element is given an equal weighting. There are a total of 28 elements classified as rare

Criteria	JORC Code explanation	Commentary
		earth oxides but not all were assayed by previous explorers. The analytical results for each individual element have also been reported for all samples.
Relationship between mineralisation widths and intersection lengths	<i>These relationships are particularly important in the reporting of Exploration Results.</i>	Previous drilling has been undertaken on various drill orientations, and thus does not represent true width intersections.
	<i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i>	Not applicable, as the geometry of the mineralisation with respect to the drill angles has yet to be verified.
	<i>If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (e.g. "downhole length, true width not known").</i>	The statement "downhole length, true width not known" has been added to captions and footnotes of relevant tables and figures presented in the announcement.
Diagrams	<i>Appropriate maps and sections (with scales) and tabulations of intersections 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.</i>	Appropriate maps have been provided as colour figures in the announcement.
Balanced reporting	<i>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.</i>	Reporting is considered balanced, in context of the early stage of the project – where the tenement/earn in rights have just been acquired by Olympio.
Other substantive exploration data	<i>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.</i>	All data presented herein are previous and Olympio is yet to complete a full validation of the nature and quality of the previous work undertaken within its tenements. All material data encountered by Olympio to date has been reported herein.
Further work	<i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i>	Olympio will undertake extensive validation and field confirmation of previous drill and sampling data at the various prospects. Once the previous data review is completed, it is planned that Olympio will undertake surface exploration programs with subsequent drilling programs to test high-priority targets.
	<i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	Olympio will conduct more detailed assessment of exploration potential will be communicated in diagrams in future announcements.

APPENDIX 1: Open-file results REE and Nb

SAMPLE	Drillhole	From_m	To_m	East_WGS84	North_WGS84	Company	Type	Lithology	SiO2	La2O3	CeO2	PrO11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	CREO	LREO	HREO	%HREO	Magnet %
100058				265,821	6,403,243	Flinders Mines Ltd	Rock	Kimberlite	18.95	159.5	342.7	39.3	128.3	23.31	5.85	23.17	3.85	17.9	3.99	9.94	1.69	9.7	1.54	120.5	891.2	276.4	669.8	221.4	24.8%	19%
100059				266,009	6,403,053	Flinders Mines Ltd	Rock	Kimberlite	12.65	350.7	611.7	59.6	174.4	23.13	5.89	19.54	2.14	6.53	1.09	2.47	0.29	1.5	0.2	33.1	1292.3	222.1	1196.4	95.9	7.4%	18%
100060				266,008	6,403,052	Flinders Mines Ltd	Rock	Kimberlite	21.2	261.5	436.1	42.8	126.6	17.28	4.54	15.39	1.83	5.98	1.05	2.32	0.31	1.7	0.24	32.5	950.1	171.5	867.0	83.1	8.8%	18%
100062				266,114	6,403,016	Flinders Mines Ltd	Rock	Kimberlite	28.2	344.8	600.7	60.5	180.2	24	6.81	20.34	2.35	7.18	1.21	2.73	0.32	1.8	0.25	36.4	1289.6	232.9	1186.2	103.4	8.0%	19%
100067				267,449	6,399,680	Flinders Mines Ltd	Rock	Kimberlite, clay rich	39.8	415.2	581	73.8	218.7	29.34	7.56	24.78	2.91	9.73	1.71	3.78	0.5	2.8	0.39	49.5	1421.7	288.4	1288.7	133.0	9.4%	21%
100068				267,429	6,399,698	Flinders Mines Ltd	Rock	Kimberlite	55.1	562.9	759.2	64.9	161.5	23.89	6.25	24.09	2.66	8.84	1.58	3.59	0.47	2.7	0.41	54.9	1677.9	234.2	1548.5	129.4	7.7%	13%
100131				266,221	6,402,824	Flinders Mines Ltd	Rock	Kimberlite	38.4	453.9	585.9	76	218.1	28.76	7.2	24.32	2.66	7.68	1.25	2.71	0.25	1.4	0.18	36.2	1446.5	271.8	1333.9	112.6	7.8%	20%
100139				268,175	6,401,293	Flinders Mines Ltd	Rock	Kimberlite	30.3	215.8	404.1	42.3	127.7	17.16	4.76	14.12	1.4	4.88	0.81	2	0.23	1.2	0.17	22.1	858.7	160.8	789.9	68.8	8.0%	20%
100144				268,337	6,401,908	Flinders Mines Ltd	Rock	Kimberlite/clay	46	211.7	427.5	41.4	125.4	17.63	5.04	16.37	1.79	7.08	1.29	3.28	0.42	2.5	0.35	35	896.8	174.3	806.0	90.8	10.1%	19%
100145				267,482	6,401,819	Flinders Mines Ltd	Rock	Kimberlite/clay	18.3	471.5	966.8	86.1	251.9	33.16	9.16	29.62	2.98	10.59	1.75	4.41	0.48	2.5	0.35	50	1921.3	324.6	1776.3	145.0	7.5%	18%
100149				272,013	6,395,420	Flinders Mines Ltd	Rock	Kimberlite/clay	50.8	825.7	2666	208.4	675.3	106.3	21.31	88.17	9.22	31.33	4.77	11.61	1.22	6.9	0.88	97.1	4753.9	834.3	4375.0	378.9	8.0%	19%
100153				271,836	6,395,627	Flinders Mines Ltd	Rock	Kimberlite/clay	21.5	452.7	826.7	72	207	26.44	7.07	26.63	2.93	11.36	2.06	5.07	0.61	3.2	0.45	55.4	1699.6	283.8	1558.4	141.2	8.3%	16%
100156				272,494	6,395,169	Flinders Mines Ltd	Rock	Clay/kimberlite?	30.8	353	716.2	65.8	193	25.86	7.14	24.55	2.72	10.33	1.86	4.75	0.59	3.5	0.49	47.9	1457.7	261.1	1328.0	129.7	8.9%	18%
100171				268,518	6,397,451	Flinders Mines Ltd	Rock	Kimberlite	38.9	215.2	554	43.1	130.1	16.47	4.33	14.81	1.36	4.35	0.69	1.88	0.19	1.2	0.14	15.6	1003.4	155.7	942.4	61.0	6.1%	17%
100174				268,665	6,397,295	Flinders Mines Ltd	Rock	Kimberlite	40.1	258	464.3	48.1	148.7	19.08	5.08	16.77	1.62	5.35	0.84	2.21	0.23	1.3	0.16	21.7	993.4	182.5	919.1	74.3	7.5%	20%
100175				268,219	6,396,874	Flinders Mines Ltd	Rock	Kimberlite	35	281.5	511	52.3	161	20.35	5.48	18.1	1.79	6.03	1.04	2.86	0.29	1.7	0.2	31.2	1094.8	205.5	1005.8	89.0	8.1%	19%
100178				266,418	6,398,025	Flinders Mines Ltd	Rock	Kimberlite	18.55	196.4	254.3	38.1	119.6	15.6	4.15	13.89	1.45	5.12	0.9	2.41	0.25	1.7	0.2	29.1	683.2	159.4	608.4	74.8	10.9%	23%
100182				267,832	6,398,878	Flinders Mines Ltd	Rock	Kimberlite	49.2	185.3	336.6	39.9	128.3	19.31	5.45	18.04	2.14	8.55	1.59	4.21	0.48	3	0.4	52.2	805.5	196.6	690.1	115.4	14.3%	21%
100183				267,455	6,398,788	Flinders Mines Ltd	Rock	Kimberlite	36.8	231.6	411.5	41.6	127.1	17.28	4.53	16.08	1.78	6.91	1.23	3.32	0.39	2.4	0.31	37.8	903.8	178.1	811.8	92.0	10.2%	19%
100249				265,931	6,401,439	Flinders Mines Ltd	Rock	Kimberlite	46.5	354.2	560.2	70.3	221	31.77	9.26	32.73	3.79	15.84	2.85	7.33	0.91	5.2	0.69	90.5	1406.6	340.4	1205.7	200.9	14.3%	21%
100254				266,904	6,400,300	Flinders Mines Ltd	Rock		47.9	225.2	604.4	45.8	153.4	21.68	5.67	19.25	2.29	9.03	1.51	3.88	0.46	2.8	0.4	39.5	1135.3	209.9	1028.8	106.5	9.4%	18%
100255				266,852	6,401,439	Flinders Mines Ltd	Rock		45.2	353	584.7	64.4	208.8	28.87	7.89	24.2	2.89	10.88	1.79	4.41	0.5	3	0.43	48.3	1344.1	278.8	1210.9	133.2	9.9%	20%
100257				268,363	6,401,159	Flinders Mines Ltd	Rock		17.05	289.7	529.4	50.9	165	23.54	6.26	19.36	2.08	7.6	1.16	2.77	0.29	1.7	0.2	29.2	1129.2	210.1	1035.0	94.2	8.3%	19%
100841	MOO-80A-AC01	17	18	258,118	6,404,330	Flinders Mines Ltd	Drill chip	Kimberlite	40.6	282.6	530.7	49.8	173.2	26.55	7.27	26.39	3.58	18.59	3.89	11.3	1.44	8.5	1.24	147.9	1293.0	350.5	1036.3	256.7	19.8%	17%
101127	ORR-K7-AC01	7	8	266,881	6,402,321	Flinders Mines Ltd	Drill chip		47.3	397.6	718.6	62.5	207	27.71	7.48	22.25	2.32	9.04	1.41	3.65	0.38	2.4	0.35	43.7	1506.4	269.5	1385.7	120.7	8.0%	18%
101128	ORR-K7-AC01	8	9	266,881	6,402,321	Flinders Mines Ltd	Drill chip		33.5	364.7	584.7	54.5	176.7	23.89	6.19	20.8	2.16	8.96	1.48	4.08	0.41	2.7	0.38	51.6	1303.3	266.6	1180.6	122.7	9.4%	18%
101129	ORR-K7-AC01	9	10	266,881	6,402,321	Flinders Mines Ltd	Drill chip	Kimberlite	36.7	449.2	837.8	67.5	225.7	29.11	7.87	25.93	2.75	11.12	1.78	4.69	0.48	3	0.42	57.3	1724.7	304.7	1580.2	144.5	8.4%	17%
101130	ORR-K7-AC01	10	11	266,881	6,402,321	Flinders Mines Ltd	Drill chip	Kimberlite	40	500.8	789.9	74.9	242.6	31.66	8.41	26.86	2.82	10.85	1.67	4.52	0.48	3	0.43	53.8	1752.7	318.5	1608.2	144.5	8.2%	18%
101131	ORR-K7-AC01	11	12	266,881	6,402,321	Flinders Mines Ltd	Drill chip	Kimberlite	32.9	423.4	654.7	66.5	217	29.45	8.01	24.32	2.65	11.08	1.84	5.29	0.61	3.9	0.57	68.7	1518.0	307.4	1361.6	156.4	10.3%	19%
101132	ORR-K7-AC01	12	13	266,881	6,402,321	Flinders Mines Ltd	Drill chip	Kimberlite	38.6	490.2	846.4	74.3	244.9	32.35	8.66	28.12	2.93	11.76	1.97	5.42	0.62	3.7	0.55	67.8	1819.7	336.1	1655.8	163.9	9.0%	18%
101133	ORR-K7-AC01	13	14	266,881	6,402,321	Flinders Mines Ltd	Drill chip	Kimberlite	39.2	485.5	814.4	72.7	233.3	31.08	8.26	26.97	2.85	10.81	1.88	5.23	0.54	3.3	0.47	61.2	1758.5	316.4	1605.9	152.6	8.7%	17%
101134	ORR-K7-AC01	14	15	266,881	6,402,321	Flinders Mines Ltd	Drill chip		39.8	411.7	746.9	64.4	211.7	28.29	7.94	26.16	2.99	13.14	2.43	6.72	0.74	4.3	0.64	91.9	1620.0	327.7	1434.7	185.3	11.4%	17%
101135	ORR-K7-AC01	15	16	266,881	6,402,321	Flinders Mines Ltd	Drill chip		45.5	470.3	820.6	75.3	254.3	37.22	9.93	34.58	4.08	17.04	2.74	6.88	0.78	4.8	0.69	79.2	1818.4	364.6	1620.5	197.9	10.9%	18%
101489				258,124	6,405,899	Flinders Mines Ltd	Rock	Kimberlite	41.3	367.1	922.5	129.3	475.9	96.48	20.96	85.87	10.19	36.54	5.53	12.46	1.46	8.2	1.06	130.2	2303.7	673.8	1894.8	408.9	17.8%	26%
400011	ED01	14.33	14.33	263,405	6,397,301	Flinders Mines Ltd	Drill core		82.6	88	39.3	54.4	233.3	51.02	10.42	36.88	4.7	24.1	4.01	11.44	1.14	9.1	1.14	101.6	670.6	374.1	415.0	255.6	38.1%	43%
CD4966	CD010			264,522	6,399,908	Orogenic Exploration Pty Ltd	Drill core	Kimberlite	26.3	304.9	546.6	49.9	161.5	21.86	6.13	18.56	2.19	6.92	1.07	2.7	0.25	1.6	0.19	30.9	1155.3	207.6	1062.9	92.4	8.0%	18%
CD4968	CD010			264,522	6,399,908	Orogenic Exploration Pty Ltd	Drill core	Kimberlite	24.4	369.4	744.4	69.6	220.4	28.53	7.65	21.67	2.38	7.4	1.04	2.87	0.27	1.7	0.2	27.6	1505.1	265.4	1403.8	101.3	6.7%	19%
EU-100049				271,798	6,395,697	Flinders Mines Ltd	Rock	Kimberlite	13.4	432.8	990.1	71	217.5	29.34	7.27	28.12	2.99	11.48	2.07	5.64	0.69	4.7	0.71	61.8	1866.2	301.0	1711.4	154.8	8.3%	15%
EU-100050				272,012	6,395,417	Flinders Mines Ltd	Rock	Kimberlite	23	518.4	2193	200	701	150.2	27.56	108.1	13.7	48.66	7.41	17.44	1.95	11.5	1.51	149.2	4149.3	940.1	3612.1	537.2	12.9%	22%
EU-100051				271,595	6,395,777	Flinders Mines Ltd	Rock	Kimberlite	32.4	456.2	788.6	141.4	618.2	147.9	31.96	137.7	18.94	73.8	12.37	30.19	3.79	23.5	3.39	288.3	2776.2	1031.2	2004.4	771.8	27.8%	27%
EU-100052				267,532	6,399,455	Flinders Mines Ltd	Rock	Kimberlite	29.6	688.4	1210	116.5	355.8	47.43	11.13	39.53	3.9	12.85	1.96	4.73	0.48	3	0.39	47.5	2543.6	431.2	2370.7	172.9	6.8%	19%
EU-100053				267,528	6,399,607	Flinders Mines Ltd	Rock	Kimberlite	58.5	209.9	396.8	41	128.3	18.9	4.5	16.37	1.76	6.03	0.96	2.32	0.25	1.5	0.22	24.3	853.1	164.9	776.0	77.1	9.0%	20%
EU-100054																														

SAMPLE_NO	SAMPLE_SOURCE	COLLECTED_BY	COLLECTED_DATE	E_GDA2020 Z54	N_GDA2020 Z54	Nb (ppm) ME-MS81
1937598	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	274456.61	6396863.62	11.9
1937599	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	266909.08	6400090.18	324
1937600	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	266904.92	6400301.12	289
1937601	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	266852.43	6401440.75	367
1937602	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	266857.24	6401351.32	9.7
1937603	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	268363.44	6401160.36	359
1937604	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	268373.42	6401139.4	71.3
1937605	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	268386.48	6401140.04	83.9
1937606	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	258125.36	6405900.17	321
1937607	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	256708.27	6403918.58	133
1937608	Rock outcrop / float	FLINDERS MINES LTD.	31/12/2010	256710.4	6403920.18	56.9
3368711	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	273355.79	6391550.52	305
3368712	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	273377.78	6391443.52	127.5
3368713	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	273429.78	6391711.51	352
3368714	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	273284.78	6391670.51	451
3368715	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	273270.78	6391817.52	424
3368716	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	273230.79	6391531.51	518
3368717	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	273322.78	6391335.52	356
3368718	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272868.79	6387272.51	176
4117113	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272626.79	6395077.52	157.5
4117114	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272626.79	6395077.52	100.5
4117115	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272114.79	6395399.51	328
4117116	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272626.79	6395129.52	297
4117117	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272616.79	6395655.53	113
4117118	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272439.79	6395757.51	50.5
4117119	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272370.79	6395810.53	418
4117120	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	271798.79	6395668.52	772
4117121	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272012.79	6395418.52	413
4117122	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	271595.79	6395778.52	469
4117123	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267532.8	6399456.53	586
4117124	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267528.8	6399608.52	246
4117125	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267532.8	6399611.54	243
4117126	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268426.8	6401101.52	226
4117127	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272626.79	6395077.52	157
4117128	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272627.79	6395130.52	26.3
4117129	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	265821.8	6403244.53	599
4117130	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266009.81	6403054.53	349
4117131	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266008.81	6403053.53	293
4117132	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266033.81	6403017.53	231
4117133	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266114.81	6403017.54	364
4117134	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267525.8	6399609.53	265
4117135	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267593.8	6399578.51	74.4
4117136	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267580.8	6399559.53	273
4117137	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267571.8	6399569.54	242
4117138	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267449.8	6399651.54	554
4117139	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267429.8	6399699.53	626

4117140	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267477.8	6399494.53	90.3
4117141	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267479.8	6399496.53	118
4117142	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267481.8	6399498.53	16.3
4117143	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267489.8	6399507.53	17.2
4117144	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267518.8	6399470.53	409
4117145	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267590.8	6399556.53	304
4117146	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267593.8	6399562.52	250
4117147	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267602.81	6399554.51	348
4117148	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267603.8	6399555.52	366
4117149	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267604.8	6399557.52	165
4117150	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267603.8	6399555.52	525
4117151	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267602.81	6399554.51	526
4117152	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267602.81	6399554.51	398
4117153	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267598.8	6399550.52	225
4117154	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267598.8	6399550.52	190.5
4117155	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267602.81	6399554.51	222
4117156	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266221.8	6402825.53	441
4117157	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	265069.81	6402633.53	28
4117158	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	263327.81	6402117.53	18.3
4117159	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267593.8	6399562.52	413
4117160	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266033.81	6403017.53	120.5
4117161	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268175.8	6401294.51	259
4117162	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268378.8	6401136.52	102.5
4117163	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268378.79	6401144.52	78.6
4117164	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268479.79	6401440.53	123.5
4117165	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268479.8	6401437.52	58.7
4117166	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268337.8	6401909.51	257
4117167	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267482.8	6401820.52	666
4117168	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267483.8	6401818.53	218
4117169	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267723.8	6401629.53	176.5
4117170	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267723.8	6401629.53	222
4117171	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272013.79	6395421.52	321
4117172	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	271979.79	6395431.52	207
4117173	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	271918.78	6395489.52	575
4117174	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	271933.79	6395460.52	324
4117175	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	271836.79	6395628.52	646
4117176	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272385.79	6395247.51	161
4117177	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272437.79	6395212.53	234
4117178	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	272494.78	6395170.52	422
4117185	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	269468.79	6398131.52	98.8
4117186	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	269329.79	6398200.53	133
4117187	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	269329.79	6398200.53	110
4117188	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	269170.8	6398477.52	70.4
4117189	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268539.79	6397544.53	5.9
4117190	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268518.8	6397452.52	338
4117191	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	269112.8	6396832.51	15.7
4117192	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	269118.8	6396831.52	16.1
4117193	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268665.8	6397296.52	289

4117194	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	268219.8	6396875.52	297
4117195	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266429.8	6398021.54	162
4117196	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266429.8	6398021.54	140.5
4117197	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266418.8	6398026.53	156.5
4117198	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	266428.8	6397997.54	9.2
4117199	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267292.8	6399491.53	201
4117200	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267190.8	6399109.53	13.3
4117201	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267832.8	6398879.52	325
4117202	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	264455.81	6398789.53	322
4117203	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267489.8	6398702.52	457
4117204	Rock outcrop / float	FLINDERS MINES LTD.	30/12/2009	267488.8	6398700.51	212

ISSUED CAPITAL

Ordinary Shares: 53.7M

BOARD OF DIRECTORS

Sean Delaney, Managing Director

Simon Andrew, Chairman

Aidan Platel, Non-Executive Director

COMPANY SECRETARY

Peter Gray

REGISTERED OFFICE:

L2, 25 Richardson St,
West Perth 6005