

Rox Resources Limited
ASX: RXL

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Projects:
Mt Fisher: nickel-gold (100%)

Reward: zinc-lead (49%)

Bonya: copper-silver (earning up to 70%)

Marqua: phosphate (100%)

STRONG VTEM RESULTS AT BONYA

- **VTEM survey produces a number of anomalies for evaluation and testing**
- **Anomalies coincident with known prospects and geological trends**

Rox Resources Limited (**ASX: RXL**) ("**Rox**" or "**the Company**") is pleased to report results from an airborne Versatile Time Domain Electro-Magnetic (VTEM) survey conducted over a large portion of the Bonya project tenements 350km east of Alice Springs in the Northern Territory.

The airborne VTEM survey was designed to detect electro-magnetic conductors that could be indicative of accumulations of copper sulphide mineralisation similar to the nearby Jervois deposits.

The survey was very successful, with ten (10) anomalies identified as targets, of which three are considered high priority. B_10 has a very similar EM signature to the one observed at Jervois, while B_01 and B_03 are strong, well-defined anomalies occurring on at least two survey lines in favourable geological units.

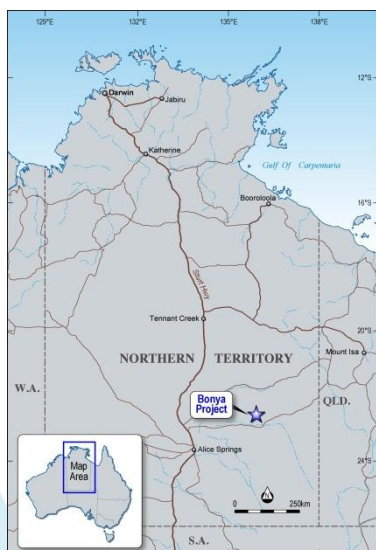
Many of the anomalies (Figure 1) are located near the old Bonya copper mine with others along trend within the same geological unit.

Rox will carry out further field reviews of these targets with a view to drilling in the second quarter of 2014.

Rox Managing Director, Mr Ian Mulholland said *"The style of mineralisation we're exploring for at Bonya is similar to the adjacent Jervois copper deposits which contain massive and stringer zones of chalcopyrite (copper sulphide) and pyrite (iron sulphide) mineralisation, and produce detectable EM anomalies"*.

"We are excited that the survey has picked up so many anomalies, some of which are coincident with known prospects and/or geochemical anomalies, while others appear to be along observable geological trends which tie in with positions of the other targets. We intend to follow-up the anomalies on the ground as soon as we can prior to drill testing."

Rox is earning a 51% interest in the Bonya project from Arafura Resources Limited, by spending \$500,000 by December 2014. Rox can



then elect to earn a further 19% (for 70% in total) by spending a further \$1 million by December 2016.

The interpretation and evaluation of the VTEM survey was undertaken by the Company's geophysical consultants, Southern Geoscience.

ENDS

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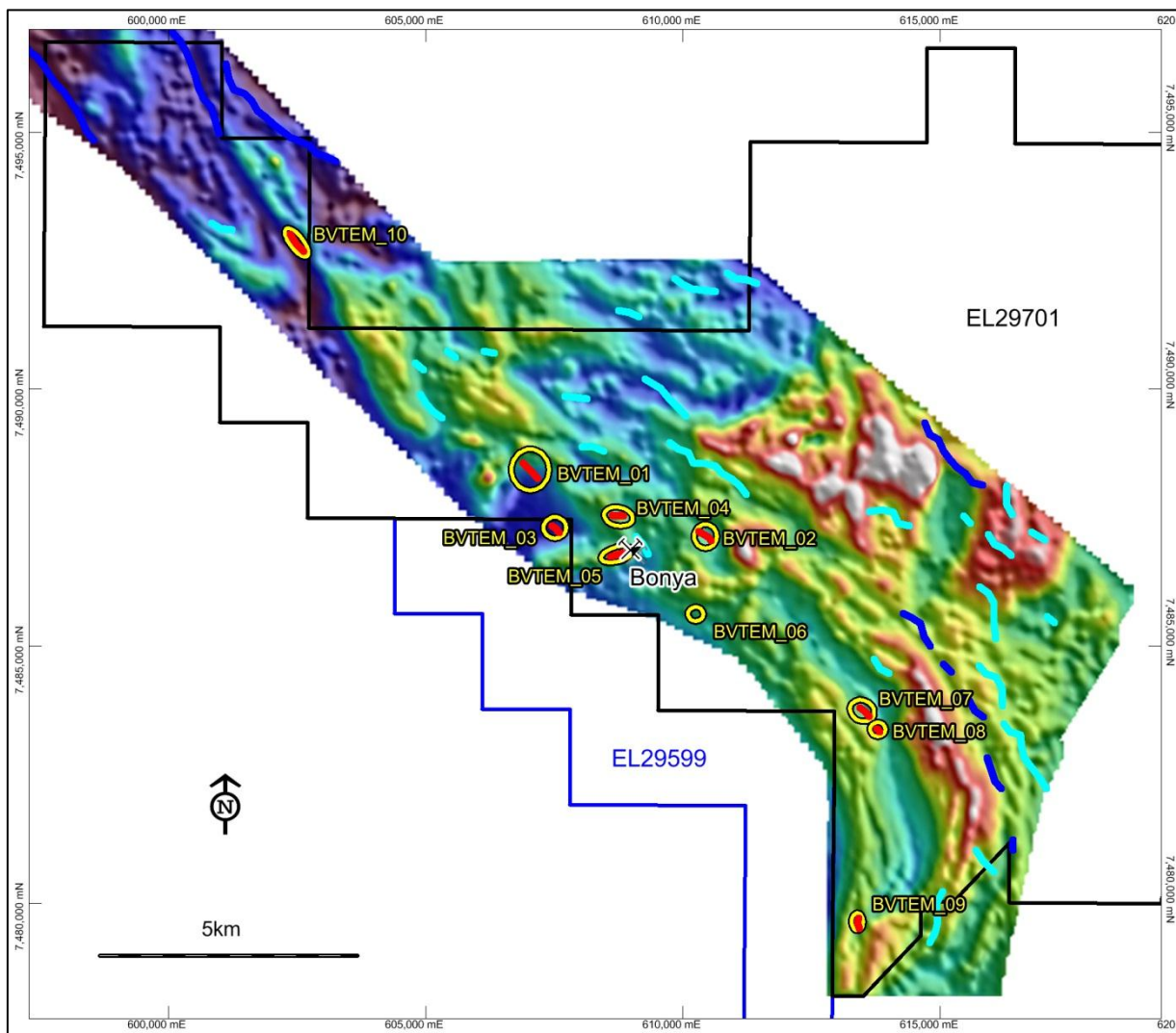


Figure 1: Bonya VTEM anomalies, conductor axes and exploration targets over an image of reduced-to-pole magnetics. Interpreted discrete bedrock conductors are shown by red lines, while stratigraphic/formational conductors are shown by dark blue lines. Surficial/drainage conductors are shown by light blue lines.

About Rox Resources

Rox Resources Limited is an emerging Australian minerals exploration company. The company has four key assets at various levels of development with exposure to gold, nickel, zinc, lead, copper and phosphate, including the Mt Fisher Gold Project (WA), Myrtle/Reward Zinc-Lead Project (NT), the Bonya Copper Project (NT) and the Marqua Phosphate Project (NT).

Mt Fisher Gold-Nickel Project (100% + Option to Purchase \$3.5 million)

The Mt Fisher gold project is located in the highly prospective North Eastern Goldfields region of Western Australia and in addition to being well endowed with gold the project hosts a strong potential for nickel. The total project area is 655km², consisting of a 485km² area 100% owned by Rox and an Option to purchase 100% of a further 170km².

Drilling by Rox at the Camelwood nickel prospect has defined a JORC 2012 Mineral Resource (ASX:RXL 3 October 2013) of **1.6Mt grading 2.2% nickel** reported at 1.0% Ni cut-off (Indicated Mineral Resource: 0.6Mt grading 2.4% Ni, Inferred Mineral Resource: 1.0Mt grading 2.1% Ni) comprising massive and disseminated nickel sulphide mineralisation, and containing 34,600 tonnes of nickel. A higher grade core of **520,000 tonnes grading 3.1% nickel** reported at a 2.5% Ni cut-off (Indicated Mineral Resource: 240,000 tonnes grading 3.2% Ni, Inferred Mineral Resource: 280,000 tonnes grading 3.0% Ni) is present. The mineralisation is still open in all directions. The nickel Mineral Resource occurs partly on tenements under Option to Purchase to Rox, with a total exercise price of \$3.7 million payable in stages, \$1.2 million by 30 June 2014, \$0.2 million by 31 December 2014 and \$2.3 million by 30 June 2015.

Drilling by Rox has also defined numerous high-grade gold targets and a JORC 2004 Measured, Indicated and Inferred Mineral Resource (ASX:RXL 10 February 2012) of **973,000 tonnes grading 2.75 g/t gold** reported at a 0.8 g/tAu cut-off exists for 86,000 ounces of gold (Measured: 171,900 tonnes grading 4.11 g/t Au, Indicated: 204,900 tonnes grading 2.82 g/t Au, Inferred: 596,200 tonnes grading 2.34 g/t Au) aggregated over the Damsel, Moray Reef and Mt Fisher deposits.

Reward Zinc-Lead Project (49% + Farm-out Agreement)

Rox has signed an Earn-In and Joint Venture Agreement with Teck Australia Pty Ltd. ("Teck") to explore its highly prospective 670km² Myrtle/Reward zinc-lead tenements, located 700km south-east of Darwin, Northern Territory, adjacent to the McArthur River zinc-lead mine.

The Myrtle zinc-lead deposit has a current JORC 2004 Mineral Resource (ASX:RXL 15 March 2010) of **43.6 Mt @ 5.04% Zn+Pb** reported at a 3.0% Zn+Pb cut-off (Indicated: 5.8 Mt @ 3.56% Zn, 0.90% Pb; Inferred: 37.8 Mt @ 4.17% Zn, 0.95% Pb).

Recent drilling at the Teena zinc-lead prospect intersected **26.4m @ 13.3% Zn+Pb** including **16.2m @ 17.2% Zn+Pb**, and **20.1m @ 15.0% Zn+Pb** including **12.5m @ 19.5% Zn+Pb**, and together with historic drilling has defined significant high grade zinc-lead mineralisation over a strike length of at least 1.5km.

Under the terms of the Agreement, Teck has now met the expenditure requirement for a 51% interest, with Rox holding the remaining 49%. Teck has elected to increase its interest in the project to 70% by spending an additional A\$10m (A\$15m in total) by 31 August 2018 (ASX:RXL 21 August 2013).

Bonya Copper Project (Farm-in Agreement to earn up to 70%)

In October 2012 Rox signed a Farm-in Agreement with Arafura Resources Limited to explore the Bonya Copper Project located 350km east of Alice Springs, Northern Territory. Outcrops of visible copper grading up to 34% Cu and 27 g/t Ag are present. Under the Agreement Rox can earn a 51% interest in the copper, lead, zinc, silver, gold, bismuth and PGE mineral rights at Bonya by spending \$500,000 within the first two years. Rox can then elect to earn a further 19% (for 70% in total) by spending a further \$1 million over a further two years. Once Rox has earned either a 51% or 70% interest it can form a joint venture with Arafura to further explore and develop the area.

Marqua Phosphate Project (100%)

Rox owns one tenement covering approximately 660 km² in the Northern Territory which comprises the Marqua Phosphate project. The project has the potential for a sizeable phosphate resource to be present, with surface sampling returning values up to 39.4% P₂O₅ and drilling (including 6m @ 19.9% P₂O₅ and 5m @ 23.7% P₂O₅) confirming a 30km strike length of phosphate bearing rocks.

Appendix

The following information is provided to comply with the JORC Code (2012) requirements for the reporting of the geophysical results on tenements EL29701 and 29599.

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i>	An airborne, time-domain electromagnetic survey has been completed. The survey was carried out along E-W and NE-trending survey lines spaced 250m at an average terrain clearance of 42m. The VTEM system collects time domain electromagnetic data, magnetic data and digital terrain data.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used</i>	VTEM airborne system is fully calibrated and daily tests were carried out to ensure data quality.
	<i>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information</i>	This release has no reference to mineralisation.
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>	This release has no reference to drilling.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed</i>	This release has no reference to drilling.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples</i>	This release has no reference to drilling.
	<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>	This release has no reference to drilling.
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>	This release has no reference to drilling.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	This release has no reference to drilling.
	<i>The total length and percentage of the relevant intersections logged</i>	This release has no reference to drilling.
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	This release has no reference to drilling.
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	This release has no reference to sampling.

Criteria	JORC Code explanation	Commentary
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	This release has no reference to sampling.
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	This release has no reference to sampling.
	<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>	This release has no reference to sampling.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	This release has no reference to sampling.
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>	This release has no reference to assays.
	<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>	VTEM receiver: Z-coil diameter 1.2 m, 100 turns, 113.04 sq m effective area. X-coil diameter 26m, 245 turns, 19,69 sq m, sampling interval 0.1 sec. VTEM transmitter: 26m loop diameter, 4 turns, 2123.7 sq m, 25 Hz base frequency, 188 A peak current, 7.32 ms pulse width, 399256 nA peak dipole moment. Magnetometer: Geometrics Cesium Vapor magnetometer, 0.1 sec sampling interval and sensitivity of 0.02 nano Tesla (NT). Radar Altimeter: Terra TRA 3000/TRI 40, 0.2 sec sampling interval. GPS Navigation: NovAtel WAAS enabled GPS receiver, 0.2 sec sampling interval.
	<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>	VTEM airborne system is fully calibrated and daily tests were carried out to ensure data quality.
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	This release has no reference to intersections.
	<i>The use of twinned holes.</i>	This release has no reference to drilling.
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	All primary analytical data were recorded digitally and sent in electronic format to Southern Geoscience for quality control and evaluation.
	<i>Discuss any adjustment to assay data.</i>	This release has no reference to assays.
Location of data points	<i>Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	This release has no reference to drill holes (collar and down-hole surveys), trenches or mine workings.
	<i>Specification of the grid system used.</i>	The grid system used is MGA_GDA94, Zone 53.
	<i>Quality and adequacy of topographic control.</i>	Topographic data has been obtained from the VTEM survey, which uses a radar altimeter and GPS for calculation of the digital terrain model. The VTEM survey was flown along E-W and NW-trending lines spaced 250m.
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	Line spacing is 250m and sample spacing is ~ 10m.
	<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>	There is no reference to geology or grade or mineralisation in this release.
	<i>Whether sample compositing has been applied.</i>	This release has no reference to sampling.

Criteria	JORC Code explanation	Commentary
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>	This release has no reference to sampling.
	<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>	This release has no reference to drilling.
Sample security	<i>The measures taken to ensure sample security.</i>	This release has no reference to sampling.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	All electromagnetic data was quality assured by Southern Geoscience Consultants.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	EL 29599 is 100% owned by Rox Resources Limited. EL29701 is a farm-in agreement with Arafura Resources to explore for copper, lead, zinc, silver, gold, bismuth and PGE's. There is no Native Title claim over the area, which lies within the Jervois pastoral lease.
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The tenure is secure and in good standing at the time of writing.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Previous exploration has been limited, however prospecting by past explorers has identified several Cu showings. No significant drilling has been carried out.
Geology	Deposit type, geological setting and style of mineralisation.	The targeted deposit style is VMS copper mineralization similar to the adjacent Jervois copper deposit.
Drill hole Information	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: • easting and northing 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 • down hole length and interception depth • hole length.	This release has no reference to drilling.
Data aggregation methods	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.	There is no reference to grade or sampling in this release.
	Where aggregate intercepts 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.	There is no reference to grade or sampling in this release.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	There is no reference to grade or sampling in this release.

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	There is no reference to mineralisation intersections or drilling in this release.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	This release has no reference to mineralisation intercepts or drill holes.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	This release has no reference to mineralisation intercepts, assays or grades.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	Rox has identified outcropping oxide copper mineralisation grading up to 32.9% copper and 54.8 g/t silver, as previously reported, ASX:RXL 30-11-12.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive	Further work will include ground checking and RC drilling in order to test the nature of the conductors.

Competent Person Statements:

The information in this report that relates to nickel Exploration Results for the Mt Fisher Project is based on information compiled by Mr Ian Mulholland BSc (Hons), MSc, FAusIMM, FAIG, FSEG, MAICD, who is a Fellow of The Australasian Institute of Mining and Metallurgy and a Fellow of the Australian Institute of Geoscientists. Mr Mulholland 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 Mulholland is a full time employee and Managing Director of the Company and 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 nickel Mineral Resources for the Mt Fisher project was reported to the ASX on 3 October 2013. Rox confirms that it is not aware of any new information or data that materially affects the information included in the announcement of 3 October 2013, and that all material assumptions and technical parameters underpinning the estimates in the announcement of 3 October 2013 continue to apply and have not materially changed.

The information in this report that relates to Exploration Results and Mineral Resources for the Reward Zinc-Lead, Bonya Copper and Marqua Phosphate projects and for the gold Mineral Resource defined at Mt Fisher, was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported, and is based on information compiled by Mr Ian Mulholland BSc (Hons), MSc, FAusIMM, FAIG, FSEG, MAICD, who is a Fellow of The Australasian Institute of Mining and Metallurgy and a Fellow of the Australian Institute of Geoscientists. Mr Mulholland 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 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Mulholland is a full time employee of the Company and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.