Targeting High Grade Copper at Bonya
Disclaimers

Forward-Looking Statements

This presentation has been prepared by Rox Resources Limited. This document contains background information about Rox Resources Limited current at the date of this presentation. The presentation is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this presentation.

This presentation is for information purposes only. Neither this presentation nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of shares in any jurisdiction.

This presentation may not be distributed in any jurisdiction except in accordance with the legal requirements applicable in such jurisdiction. Recipients should inform themselves of the restrictions that apply in their own jurisdiction. A failure to do so may result in a violation of securities laws in such jurisdiction.

This presentation does not constitute investment advice and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this presentation are not intended to represent recommendations of particular investments to particular persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments.

To the fullest extent permitted by law, Rox Resources Limited, its officers, employees, agents and advisers do not make any representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of any information, statements, opinions, estimates, forecasts or other representations contained in this presentation. No responsibility for any errors or omissions from this presentation arising out of negligence or otherwise is accepted.

This presentation may include forward-looking statements. Forward-looking statements are only predictions and values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. Any forward looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Rox Resources Limited does not undertake any obligation to update or revise any information or any of the forward looking statements in this presentation or any changes in events, conditions or circumstances on which any such forward looking statement is based.

Competent Person Statements

The information in this report that relates to Exploration Results for the Mt Fisher, Reward and Bonya Projects is based on, and fairly represents information and supporting documentation 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 and 4 September 2014. Rox confirms that it is not aware of any new information or data that materially affects the information included in the announcements of 3 October 2013 and 4 September 2014, and that all material assumptions and technical parameters underpinning the estimates in those announcements continue to apply and have not materially changed.

The information in this report that relates to previous Exploration Results and Mineral Resources for the Reward Zinc-Lead and Bonya Copper 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.
Who Is Rox?

- Australian mineral explorer with quality base metal projects
- **Bonya Copper**: Exciting new copper discovery
- **Reward Zinc**: Drilling out a very large new zinc discovery
- **Fisher East Nickel**: Recent nickel sulfide discoveries and resources (72,000 t contained nickel)
Bonya Copper Project

- Project location 300km NE of Alice Springs
- Rox entered JV with Arafura Resources in Nov 2012 - earned 51% for $500K and elected to earn to 70% for extra $1 million (Dec 2016)
Bonya Regional Geology

- **Total tenement area of 310km²**
- **Bonya Metamorphics; same host rocks as Jervois copper deposits (KGL Resources Ltd) – 25.3 million tonnes @ 1.1% Cu and 22.1g/t Ag**
- **Potential for significant new discoveries**
- **Numerous outcrops of high grade copper oxide over a large area**
- **Prior to 2014 none of these drill-tested**
- **Early exploration limited to mostly mapping and prospecting**
Bonya Regional Geology – Interpretation from Aeromagnetics

- 200m spaced aeromagnetics – ok for low detail regional interpretation
- High-grade metamorphic rocks are highly folded and deformed
- Potential for remobilised massive sulfides & high grade copper
Bonya Regional Exploration

- Historical exploration activities limited due to;
  - Difficult access
  - Early efforts concentrated at Jervois
  - Complex geology

- Modern exploration techniques (including drilling and geophysics) can effectively add value

- Following acquisition in 2012, Rox conducted field work with soil sampling and rock-chip sampling at historical copper showings

- Soil sampling shows small footprint
Versatile Time-Domain Electromagnetics survey commissioned 2013

- VTEM – extensive ground coverage, quick, cost effective
- 150m spaced flight lines
- Aim to detect conductive anomalies and/or blind sulfide mineralisation
- 10 conductors present, all within prospective Bonya Metamorphics unit
Bonya VTEM over RTP magnetics

- Conductors situated along SW portion of the belt
- Decision to focus on central Bonya Prospect - VTEM conductors close to the old Bonya Mine
- Zone of complexity and prospectivity
Mappable units of Outcropping Bonya Schist
Bonya Magnetics RTP

- Bonya Mine located at fold nose
- Outcrop-scale geology is structurally complex and deformed
Bonya VTEM anomalies
Bonya VTEM anomalies

- EM anomalies defined by VTEM survey located close to Bonya Mine shaft
- No response over Bonya Mine
Bonya - VTEM targets over RTP magnetics

- BM_3 in vicinity of fold axis
- VTEM anomalies BM_4 & BM_5 located along fold limbs
Bonya VTEM

- Field inspection March 2014
- Coincident copper outcrop at BM_3
- Significant, strike extensive zones of high-grade copper
- No other known outcropping Cu associated with VTEM anomalies
Follow-up ground EM (FLTEM) over central conductors BM_3, BM_4 and BM_5

500m x 300m fixed loops

100m line spacings, 50m station spacing

Total 180 stations
FLTEM anomalies and targets

- FLTEM survey confirms VTEM anomalies
- Modelled conductive plates correlate well with interpreted geology, aeromagnetics and aerial imagery
- Definition of VTEM conductors significantly improved
- Geometry of plates BM_4 and BM_5 indicate that conductors are related to stratigraphy – steep westerly plunge
- Depths of conductor plates are reasonably shallow @ 26m, 53m and 58m
- Easily tested with RC drilling
Drilling starts...
RC Drilling – phase 1 EM targets

- 2-3 holes designed to test each of the 3 conductors
- RC intersects conductive sulphides at all 3 targets
- BM_4 and BM_5 are stratigraphic, mostly barren pyrite-pyrrhotite
- Significant Copper mineralisation intersected in BM_3:
  - BYRC003; 2m @ 3.1% Cu from 55m
  - BYRC004; 1m @ 1.2% Cu from 69m
- More work warranted at BM_3
RC Drilling phase 1 – Bonya Mine

- Bonya Mine shaft is a narrow (2m x 1m) vertical shaft ~25-30m deep
- Never been drilled...
- 1st hole BYRC008;
  - 11m @ 4.4% Cu from 30m
- BYRC009;
  - 38m @ 4.4% Cu from 60m
  - including 6m @ 8.8% Cu from 60m
  - and 8m @ 7.9% Cu from 82m
- Much thicker, higher grade mineralisation than expected!!
RC Drilling phase 1 – Bonya Mine

RC chips from BYRC009; 17% Cu

Rockchip sample; 11% Cu
RC Drilling phase 2

Follow-up drilling designed to increase depth and footprint of mineralisation

Highlights:

BYRC014;
- 8m @ 7.6% Cu from 97m
and
- 13m @ 5.4% Cu from 111m

BYRC018;
- 5m @ 9.1% Cu from 109m
  including 3m @ 13.4% Cu
- 11m @ 3.9% Cu from 139m
Wazza is happy now...
But he needs a new ute
**Bonya Mine Diamond Drilling**

- Diamond drilling step out holes extends mineralisation to ~150m depth
- Holes intersect edge of mineralised zone
- **BYD001:**
  - 0.7m @ 1.5% Cu from 175.3m
- **BYD002:**
  - 0.3m @ 2.2% Cu from 153.8m
  - 0.6m @ 2.1% Cu from 156.6m
- 2015 drilling to test westerly plunge
Bonya Mine Geology

- Mineralisation consists of predominantly chalcopyrite in breccia-style quartz veining
- Hematite-altered quartzofeldspathic high grade metamorphic rocks
- Structural control on mineralisation - later stage than Jervois
- VTEM and DHEM completed on 3 holes at Bonya Mine confirms very low conductive response
- Stratabound earlier stage mineralisation is more conductive
Regional Exploration Targets

2 targets types;

1. Remobilised metamorphic style of mineralisation (eg. Bonya) - EM response may be lacking due to brecciation
2. Stratabound mineralisation (eg. Jervois, BM_3) – more conductive electromagnetically

Many high-grade copper oxide outcrops and VTEM anomalies to investigate

50m spaced detailed aeromagnetics to aid in structural interpretation and targeting

New and existing targets will be assessed, prioritised and drill-tested in 2015
Bonya Project Summary

- Numerous outcrops of high-grade copper-oxide throughout a large area which is highly underexplored
- Favourably located within prospective rocks and adjacent to existing undeveloped quality resources
- 2014 drilling demonstrates potential for significant high-grade copper discoveries
- Untested walk-up drill targets
- Mixture of primary stratabound and secondary re-mobilised targets
- Early days for Rox but positive results already and exploration upside
Reward Zinc Project

- Next to McArthur River zinc deposit
- JV between Rox (49%) and Teck (51%)
- Teck can earn-in to 70% by funding $15m total by August 2018
- Existing infrastructure includes bitumen road, gas pipeline, major airport, ship loader and port
- Teena discovery in 2013 (8km west of McArthur River)
Teena Deposit

- Thick intercepts of 10-15% Zn+Pb;
  - eg. TNDD010; 20.1m @ 15.0% Zn + Pb
- 2014 drilling program completed – extensions to system indicated
- Large mineralised system plunging to the east; >1.9km strike x 0.8km wide
- Drilling still very wide spaced (250 – 500m) but sufficient to define the resource potential
High Grade Massive Sulphide
Thank you

For further information:
Will Belbin
(08) 9226 0044
admin@roxresources.com.au
www.roxresources.com.au