

Activities Report and Appendix 5B for the September 2018 Quarter

HIGHLIGHTS

- Evaluation of trace element analyses indicate pathfinder elements would assist with future geochemical surveys to locate high-grade manganese mineralisation
- 3D gravity interpretation indicates that detailed gravity surveys together with magnetic surveys would greatly assist in determining more precise targets for further drilling
- New manganese mineral, Amamoorite, identified
- Gravity survey of Ngalia Basin EL 24808 uranium prospect planned

QUEENSLAND – MARY VALLEY MANGANESE PROJECT

AMAMOOR

As previously reported, Eclipse Metals (ASX EPM) drilled eight diamond core holes at Amamoor for an aggregate of 152.4m. This drilling program was conducted strictly on a reconnaissance basis and the extent of drilling and sample analyses was limited to contain initial costs.

During the Quarter, further geological and sample analytical results from the diamond drilled core together with progressively re-modelled geophysical data has been re-assessed to better understand the depositional structure of manganese mineralisation to facilitate design of follow-up exploration.

Multielement sample analyses have identified a suite of elements that can be used to identify prospective lithologies and vector towards mineralised zones. These elements constitute a litho-geochemical tool-box for MnO exploration at Amamoor. This litho-geochemical tool-box contains the following six elements - As, Sb, Sc, Zr, Ti & Hf.

A prospective geochemical footprint at Amamoor would be depleted in Sc, Zr, Hf & Ti and enriched in As, Sb. The application and usefulness of the litho-geochemical tool-box will only be truly understood when there is a larger sample population to work with.

Part of the recent evaluation work included petrographic, scanning electron microscope (SEM) and X-ray Diffraction (XRD) analysis of selected samples to identify mineral species and compositions. In the course of this work with independent consultants and the CSIRO, a new manganese mineral was identified and named after its location – Amamoorite.

FUTURE EXPLORATION

Evaluation of results from the recent drilling and further geological and geophysical assessment are ongoing. Planning of the next phase of exploration will include further drilling at Amamoor, targeting high grade mineralisation down-dip and along strike from these shallow intersections.

Eclipse Metals Ltd is an Australian exploration company focused on exploring the Northern Territory and Queensland for multi-commodity mineralisation. The company has an impressive portfolio of assets prospective for gold, manganese, base metals and uranium mineralisation. The Company's mission is to increase Shareholder wealth through capital growth and ultimately, dividends. Eclipse plans to achieve this goal by exploring for and developing viable mineral deposits to generate mining or joint venture income.

BOARD

Rodney Dale
Non-Executive Chairman

Carl Popal
Non-Executive Director

Ibrar Idrees
Non-Executive Director

COMPANY SECRETARY

Eryn Kestel

REGISTERED OFFICE

C/-NKH Knight
Unit 19
Level 2, Spectrum
100 Railway Road
Subiaco WA 6008
Phone: +61 8 9367 8133
Fax: +61 8 9367 8812

PRINCIPAL PLACE OF BUSINESS

Level 3, 1060 Hay Street
West Perth WA 6005
Phone: +61 8 9480 0420
Fax: +61 8 9321 0320

AUSTRALIAN BUSINESS NUMBER

85 142 366 541

SHARE REGISTRY

Security Transfer Registrars
770 Canning Highway
Applecross WA 6153

ASX CODE

EPM

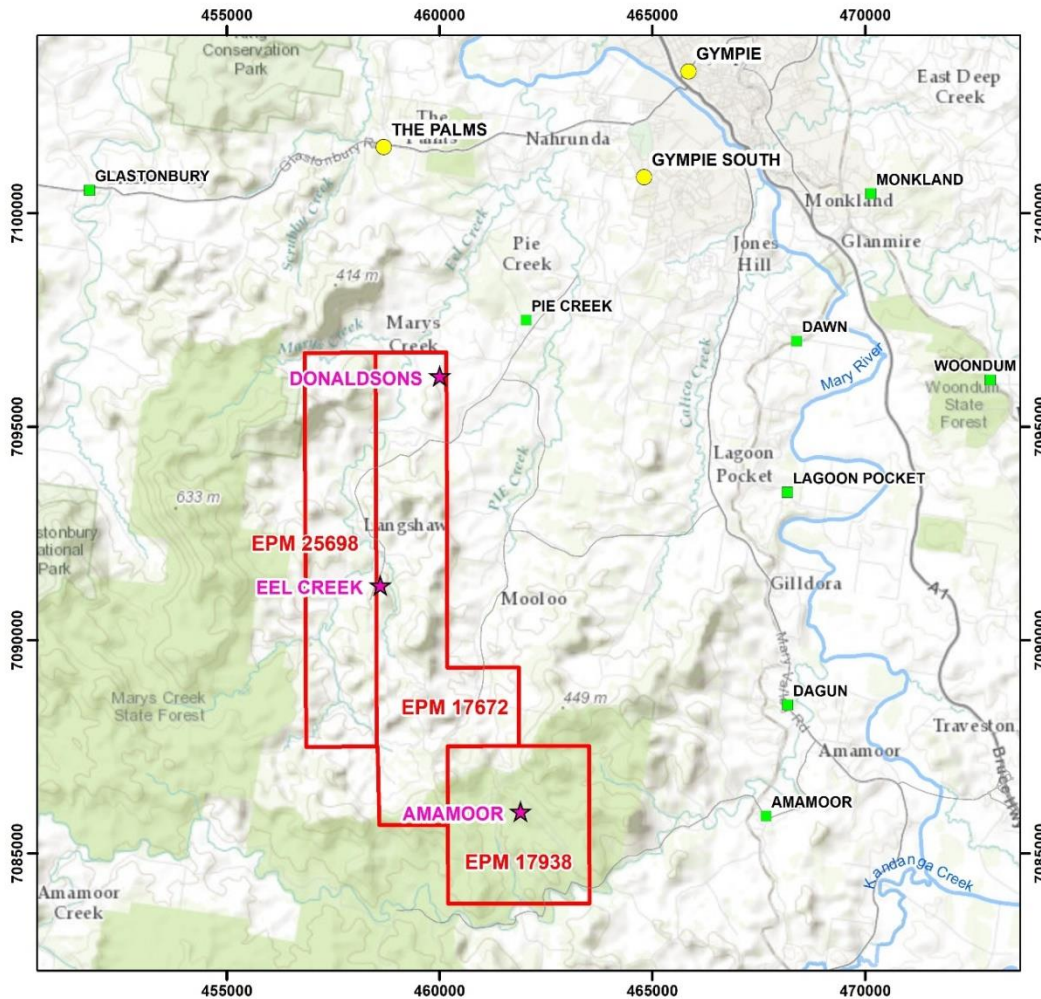
WEBSITE

www.eclipsemetals.com.au

Other manganese prospects will be progressively evaluated. The company is assessing new technology that may be suitable for quick extensional exploration of the manganese horizons at depth.

MARY VALLEY TENEMENTS

In the light of recent exploration and reconnaissance evaluation of outlying areas, the Company has relinquished some tenement sections to contain current costs and future commitments.



INSET MAP

QUEENSLAND

**Eclipse Metals - Mary Valley Project
Exploration Permit for Minerals (EPM)**

GDA 1994 MGA Zone 56
1:125,000

LEGEND

- ★ PROSPECTS
- PLACES
- TOWNS
- ROADS
- WATERCOURSE
- EXPLORATION PERMIT FOR MINERALS

Mary Valley Tenement Map (updated)

For personal use only

NORTHERN TERRITORY: DEVILS ELBOW- RIO TINTO FARM-IN / JV ELA 27584

The first two years of a farm-in and joint venture arrangement with Eclipse, Rio Tinto Exploration (RTX) has been completed with RTX continuing to pursue an arrangement with the Northern Land Council (NLC). A planned anthropological survey to determine consent and non-consent areas by Traditional Owners has not yet been completed and the Company is pursuing a new arrangement with RTX to facilitate the application procedure.

NORTHERN TERRITORY: OTHER TENEMENTS

No field activity was performed during the quarter.

The company has recently been granted ministerial consent to negotiate with Traditional Owners through the NLC with respect to EL applications 31770-772 at its Liverpool project, surrounding ELA27584, and is progressing its response under Section 41 of the Act.

Further evaluation of historical data on EL24808 in the northern part of Ngalia Basin has indicated that a geophysical gravity survey would progress geological understanding of this prospect. This is now expected to commence in mid-November.

Addendum - ECLIPSE METALS TENEMENT INTERESTS ASX -Listing Rule 5.3.3.

Mining tenements held at the end of the quarter and their locations are listed below. Eight (8) granted graticular (or sub-block) blocks were relinquished during the quarter. No granted tenement interests were earned in or farmed out.

Granted Tenements

Tenement	Project Name	Commodity	Status	State	Holder	%	Graticular Blocks
EL 24808	Biglyi	Uranium	Granted	NT	Eclipse Metals Ltd	100	27
EPM 17672	Mary Valley	Manganese	Granted	Qld	Walla Mines Pty Ltd ¹	100	15
EPM 17938	Amamoor	Manganese	Granted	Qld	Walla Mines Pty Ltd ¹	100	4
EPM 25698	West Mary Valley	Manganese	Granted	Qld	Eclipse Metals Ltd	100	5

Tenement Applications

Tenement	Project Name	Commodity	Status	State	Holder	%	Graticular Blocks
ELA 24623	Eclipse	Uranium	Application	NT	Eclipse Metals Ltd	100	305
ELA 24861	Lake Mackay	Uranium	Application	NT	Eclipse Metals Ltd	100	50
ELA 26487	Yuendi	Cu, Uranium	Application	NT	Whitvista Pty Ltd ²	100	320
ELA 27584	Devil's Elbow	Uranium	Application	NT	North Minerals Pty Ltd ³	100	30
ELA 27703	Gumadeer	Uranium	Application	NT	North Minerals Pty Ltd ³	100	3
ELA 31065	Liverpool 4	Uranium	Application	NT	Eclipse Metals Ltd	100	68
ELA 31499	Ngalia 1	Uranium	Application	NT	Eclipse Metals Ltd	100	249
ELA 31500	Ngalia 2	Uranium	Application	NT	Eclipse Metals Ltd	100	250
ELA 31501	Ngalia 3	Uranium	Application	NT	Eclipse Metals Ltd	100	250
ELA 31502	Ngalia 4	Uranium	Application	NT	Eclipse Metals Ltd	100	226
ELA 31770	Liverpool 2	Uranium	Application	NT	Eclipse Metals Ltd	100	50
ELA 31771	Liverpool 1	Uranium	Application	NT	Eclipse Metals Ltd	100	240
ELA 31772	Liverpool 3	Uranium	Application	NT	Eclipse Metals Ltd	100	51

¹ Walla Mines Pty Ltd is a subsidiary of Eclipse Metals Ltd

² Whitvista Pty Ltd is a subsidiary of Eclipse Metals Ltd

³ North Minerals Pty Ltd is a subsidiary of Eclipse Metals Ltd

Corporate:

During the quarter, Mr Craig Hall stepped down as non-executive director.

The information in this report that relates to Exploration Results together with any related assessments and interpretations is based on information compiled by Mr Rodney Dale, a Non-Executive Director of Eclipse Metals Limited. Mr Dale is a Fellow of the Australasian Institute of Mining and Metallurgy and has sufficient experience relevant to the styles of mineralisation under consideration and to the activity being reported 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.

For further information please contact:

Rod Dale – Non- Executive Chairman
T: +61 8 9480 0420

Carl Popal - Non-Executive Director
T: +61 8 9480 0420

For personal use only