

12<sup>th</sup> October 2020

The Company Announcement Platform  
ASX Limited  
Exchange Centre  
20 Bridge Road  
SYDNEY NSW 2000

## **2<sup>nd</sup> PHASE DRILLING COMPLETED AT MARY VALLEY ALL DRILL HOLES INTERSECTED MANGANESE MINERALISATION**

### **Highlights**

- **Second phase program of diamond drilling completed at the Amamoor manganese prospect in Mary Valley.**
- **Program comprised 6 diamond drill holes for 97.6m – difficult drilling conditions were encountered.**
- **Strong manganese mineralisation was identified in all drill holes hosted in strongly brecciated/sheared, fractured altered meta-sediment units.**
- **Objective was to further test known historic manganese working in the Northern, Central and Southern areas - assay results are expected in the upcoming weeks.**
- **Planning for increased ground access in process.**



Photo 1: Diamond Drill rig at Central Amamoor Prospect

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**

Carl Popal  
Executive Chairman

Rodney Dale  
Non-Executive Director

Pedro Kastellorizos  
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The Directors of Eclipse Metals Limited (“**Eclipse Metals**” or the “**Company**”) (**ASX: EPM**) are pleased to announce completion of the second phase diamond drilling program at the Amamoor prospect in the Mary Valley Manganese Project in Queensland.

The recently completed drilling program tested for extensions of previously drilled high-grade manganese mineralisation along 160 metres of strike and down dip to 20 metres. Six diamond drill cored holes were completed for a total of 97.6 metres. All holes were planned to a final depth of 20 metres but due to difficult ground conditions some holes were terminated at shallower depths.

**Table 1: Collar Table of 2<sup>nd</sup> Phase Diamond Drilling**

Prospect	Hole_ID	East	North	Grid_ID	Azimuth	Inclination	Total Depth
Central	ADD008A	461934	7085978	MGA94_56	247	-58	16.08
Northern	ADD009	461944	7086061	MGA94_56	225	-58	14.02
Northern	ADD010	461922	7086056	MGA94_56	036	-80	14.53
South/Central	ADD011	461967	7085958	MGA94_56	232	-60	9.97
South/Central	ADD012	461963	7085912	MGA94_56	002	-58	21
Central	ADD013	461912	7085964	MGA94_56	065	-60	22

Half-core samples from prospective and mineralised zones from all the drill-holes have been cut and sent to a laboratory in Brisbane for assaying with results expected in due course. Most intervals will be assayed on a per metre basis.

The manganese mineralisation is hosted within well-defined brecciated shear zones, open along strike in both directions and down dip. Manganese mineralisation is generally hosted within oxidized and transitional zones of silicified (jasperoid) volcanic meta-sediment units and is often expressed as manganese replacement within the brittle-fractured zones (see Photo 2 and Figure 1).



Photo 2: Central Zone Hole ADD008A – 0 to 3m, strongly fractured black manganese interbedded with silicified jasper fragments.



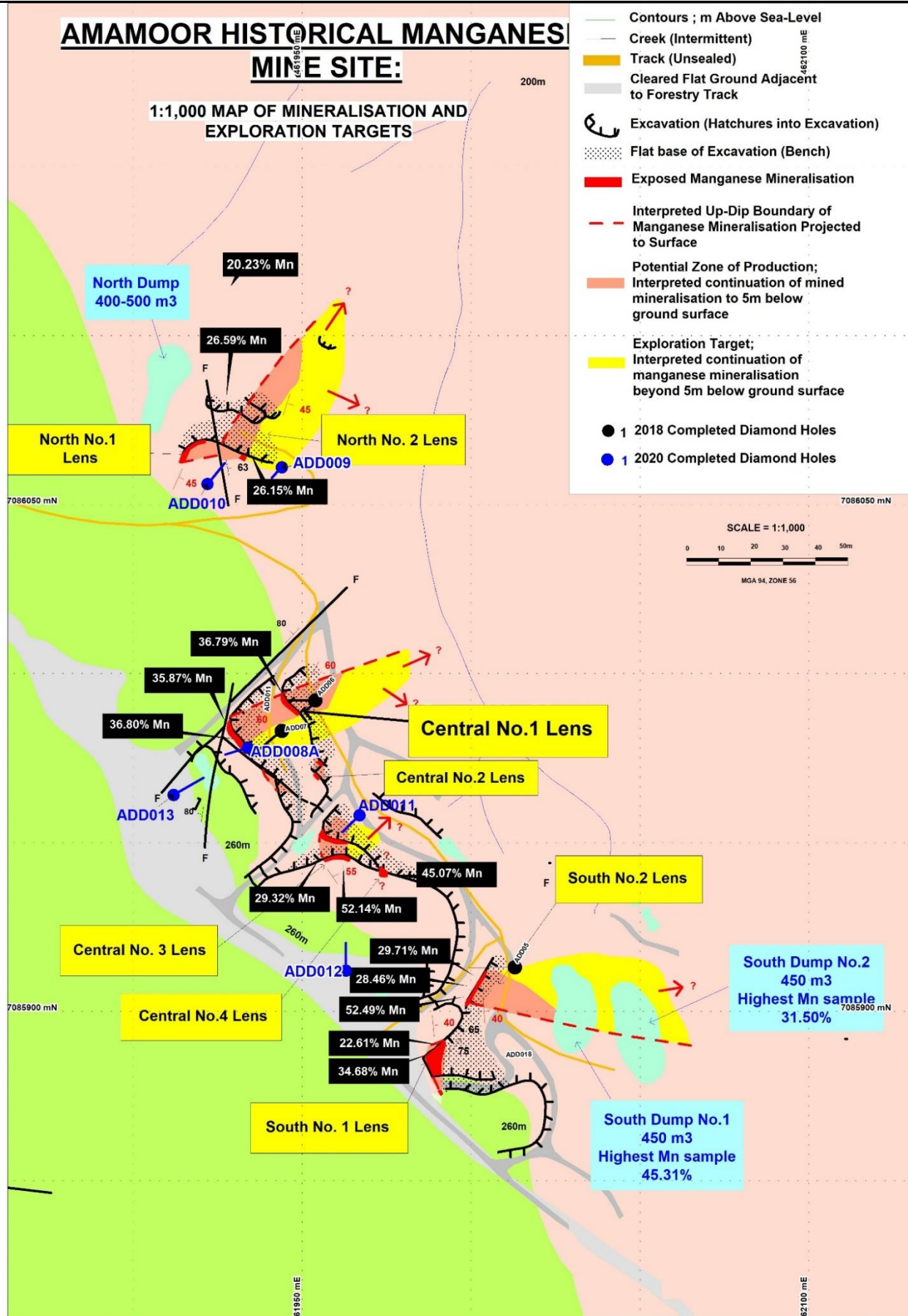


Figure 1: Amamoor Geological Map highlighting the completed 2020 Diamond Drill Hole Location

(Refer to ASX Announcements: 29 September 2020 – Review of Operations in 2020 Annual Report; 25 August 2020 - Updated Investor Presentation and 17 August 2020 – Stage Two Diamond Drilling Commencing in Mary Valley).

**FUTURE EXPLORATION AND ASSESSMENT**

Based on positive results from the 2018 program and success in recent drilling, it is clear that further ground access is required to adequately explore and assess the economic potential of the Amamoor manganese deposits. Several nearby historical workings are yet to be tested and production of a bulk sample will be required for potential consumers.

Planning for further ground access, definitive geophysical surveys, drilling and bulk sampling has commenced.

Eclipse Metals Ltd Executive Chairman Mr Carl Popal commented: *"The successful delineation of further shallow manganese mineralisation has increased our understanding of the geological controls. We have drill-tested areas for the first time such as the Northern and South/Central Prospects with great success as the extent of manganese mineralisation in these locations was unknown. We look forward to receiving assay data from the laboratory in Brisbane".*

For and on behalf of the board.

**Carl Popal**  
**Executive Chairman**

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**Competent Persons Statement**

*The information in this report that relates to Exploration Results together with any related assessments and interpretations is based on information compiled by Mr Pedro Kastellorizos and Mr Rodney Dale, both Non-Executive directors of Eclipse Metals Limited. Mr Dale is a Fellow of the Australasian Institute of Mining and Metallurgy (the AusIMM) and Mr Kastellorizos is a Member of the AusIMM; both of whom have 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.*

*Mr Dale and Mr Kastellorizos have verified the data disclosed in this release and consent to the inclusion in this release of the matters based on the information in the form and context in which it appears.*