

13 August 2014

## Investor Presentation

Australian resources company, Eclipse Metals Limited (ASX: EPM) is pleased to release an investor presentation, which will be tabled at a roadshow in Melbourne on Thursday, 14 August 2014.

For further information, visit [www.eclipsemetals.com.au](http://www.eclipsemetals.com.au) or contact:

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**Pedro Kastellorizos**  
Executive Director  
T: +61 8 9480 0420

### ECLIPSE METALS LTD

Eclipse Metals Ltd is an Australian mineral exploration company focused in the Northern Territory and Queensland for multi commodity mineralisation. The company has an impressive portfolio of tenements prospective for gold, manganese, iron ore, 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 developing viable mineral deposits to generate mining or joint venture income.

### BOARD

Carl Popal  
Executive Chairman

Pedro Kastellorizos  
Executive Director

Rodney Dale  
Non-Executive Director

Justin Barton  
Non-Executive Director

### COMPANY SECRETARY

Eryn Kestel

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### AUSTRALIAN BUSINESS NUMBER

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### SHARE REGISTRY

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Applecross WA 6153

### ASX CODE

EPM

### WEBSITE

[www.eclipsemetals.com.au](http://www.eclipsemetals.com.au)



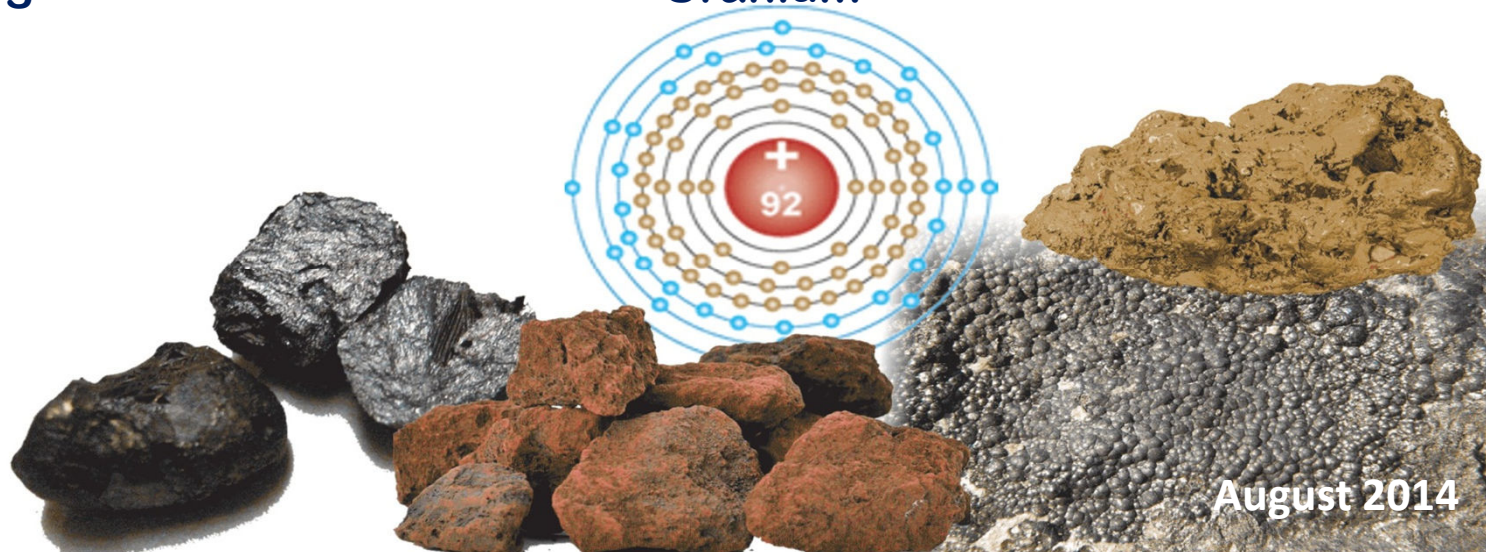
## Investor Presentation

Manganese

Iron

Uranium

Gold



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# Corporate Summary



## Directors:

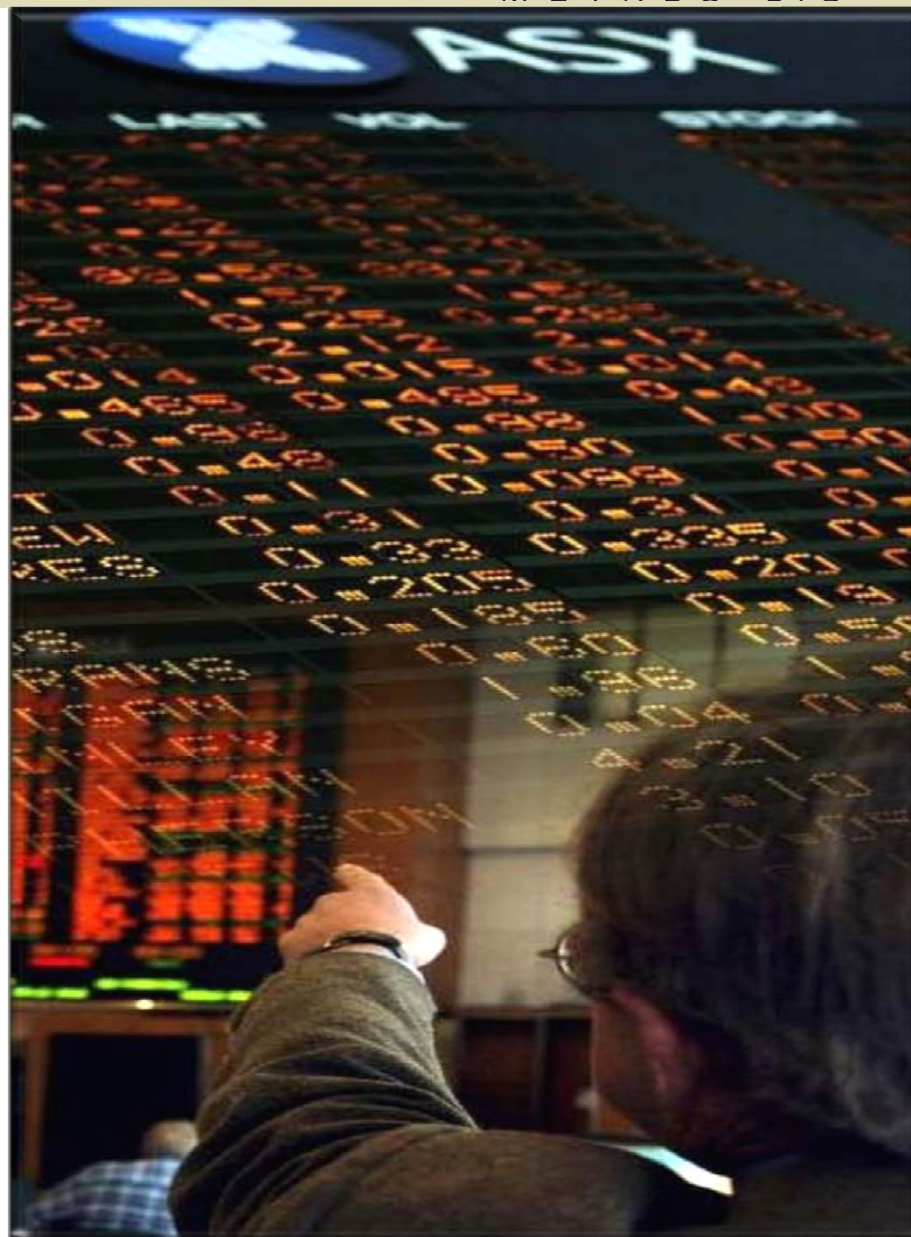
Carl Popal:	Executive Chairman
Pedro Kastellorizos:	Executive Director
Rodney Dale:	Non Executive Director
Justin Barton:	Non Executive Director

## Project Management:

Rodney Dale:	Geological Consultant
Pedro Kastellorizos:	Geological Consultant

Total Shares on issue:	559,856,824
Options:	150,000 @ 20 cents 103,023,813 @ 6 cents
Cash:	\$341,000
Current Share Price:	0.007 to 0.008 *
Market Cap:	~ \$4.48M *

\* As at 8<sup>th</sup> August 2014





# Overall Summary



Eclipse Metals Limited (ASX:EPM) is a Perth based exploration company which holds an impressive portfolio of **18,405 km<sup>2</sup>** in 31 Exploration Licences in the Northern Territory, Queensland and NSW.

Eclipse Metals Ltd has a multi-commodity portfolio including iron, manganese, uranium, gold, base metals and bauxite. Eclipse focus is concentrated on economic mineral discoveries through cost efficient exploration with the ultimate goal of developing economic mineral deposits and becoming a mining company in the medium to long term.

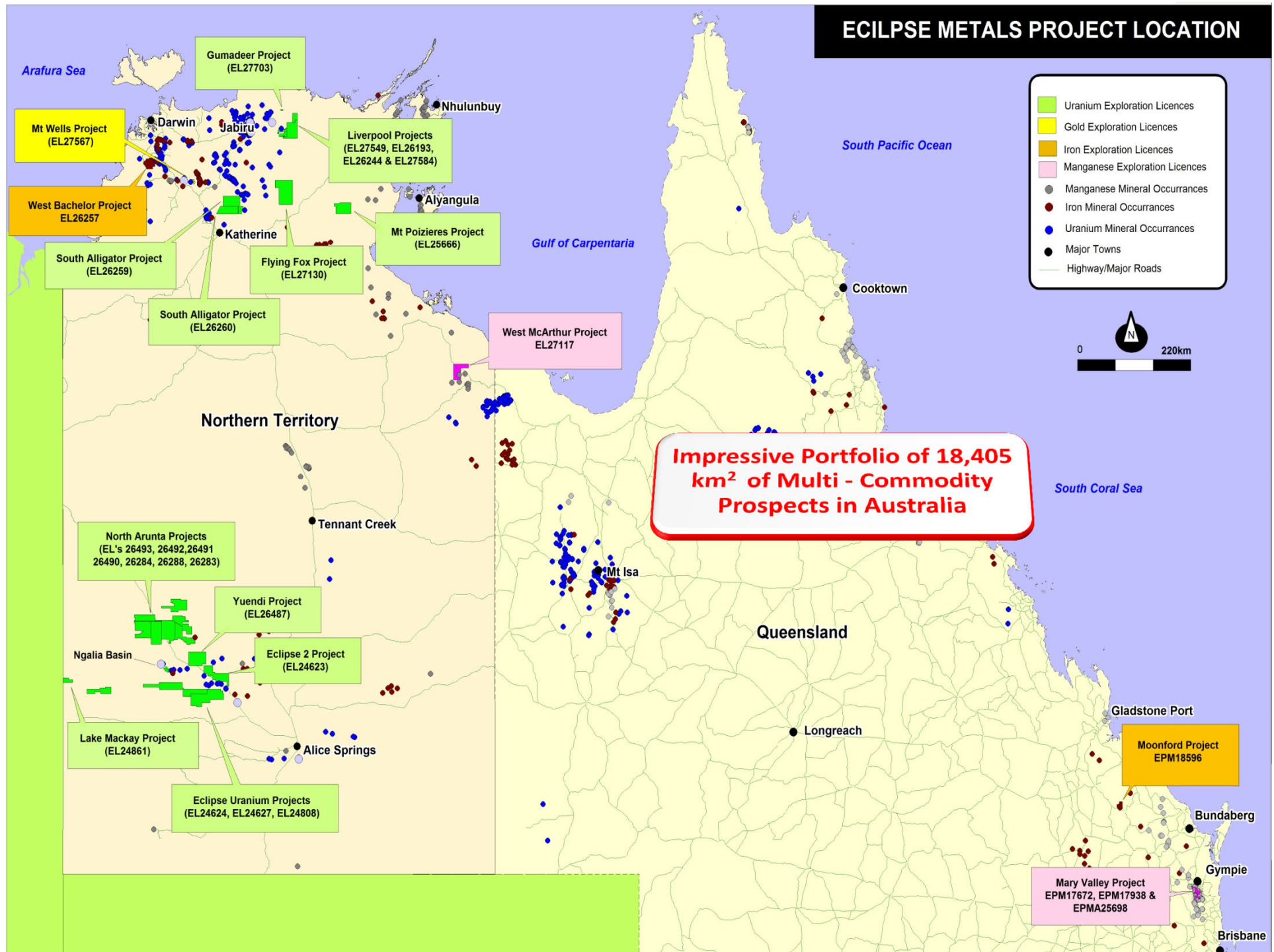
The Company's mission is to increase Shareholder wealth through capital growth and ultimately dividends. Eclipse plans to achieve this goal by exploring for and developing viable mineral deposits to generate income through mining, joint venture, royalty streams and value adding divestment.



# ECILPSE METALS PROJECT LOCATION



**Impressive Portfolio of 18,405 km<sup>2</sup> of Multi - Commodity Prospects in Australia**





# Opportunities to prosper:



Exploration and  
Development.



J.V & Divestment

Manganese

Iron

Gold  
&  
Bauxite

Uranium

## *Opportunities'*

1

- Mary Valley Manganese EPM 17672, EPM 17938 & EPMA25698 - Qld
- 1915 to 1960 production records of 32,000t of DSO Mn Ore.
- Field examination confirmed there are further deposits of high-grade manganese mineralisation.
- 138 rail km to Brisbane port
- The West McArthur River Manganese Project - NT.
- Outcropping manganese mineralisation at the No 5 prospect with over 135 sq km of untested EM Anomalies.
- Potentially new Mn Field

2

- Moonford Iron EPM 18596 - Qld
- Confirmed Surface Iron Mineralisation in early 2014.
- 1984 - 27 historical percussion holes totalling 218m intersected limonite mineralisation below 0.5m of overburden with overall averaged assays ranging from 31.7% to 36.3% Fe to a depth of 12.75m.
- 13 km from Monto Township
- 133 rail km to Gladstone Port.
- Historical rock chip proximal to the drilling area range from 42.5% Fe to 47.1% Fe.
- Excellent potential to delineate new iron resource

3

- Mt Wells Gold EL27567 – NT
- Proximal to Spring Hill Gold Deposit which has an Indicated JORC Resource of 10.0Mt @ 1.4 g/t Au for 450,000oz contained gold.
- Extensive magnetic and structural targets remain untested.
- Moss Vale EL 7986 -Bauxite. JV with ABX2 Pty Ltd & 'Australian Bauxite Ltd'

4

- Over 16,973 km<sup>2</sup> of Uranium Projects throughout - NT.
- Very high grade uranium intersected through trenching.
- Located near the Ranger, Jabiluka, and Naberlek world class Uranium Deposits in the northern part of the NT.

- West Bachelor EL 26257 - 407 km<sup>2</sup> - NT Gold, Tin, Iron and Uranium.
- Mt Tolmer historical rock chip sampling program has yielded Iron assay up to **61.8% Fe** with 20% to 40% Fe at the Table Top prospect.

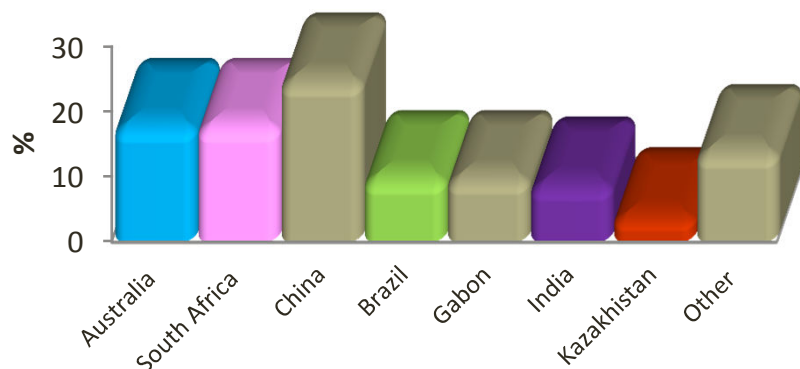
# About Manganese:



## What is Manganese?

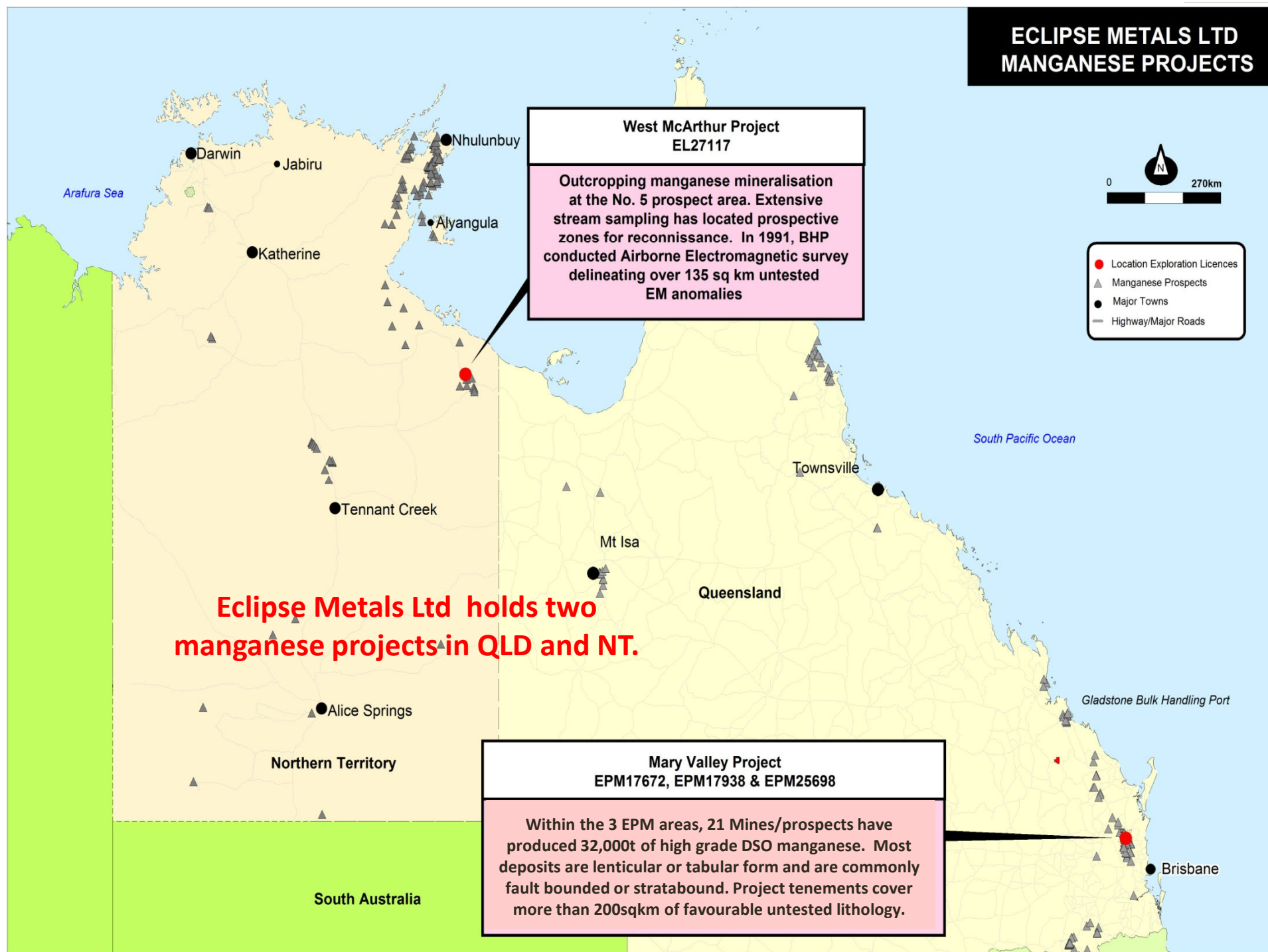
- Manganese is a silvery-gray metal - resembles iron.
- Manganese is primarily used to improve steel quality, workability and other important pyrometallurgical properties - a key ingredient in stainless steel.
- Steel making accounts for between 80-90% of total manganese demand.
- Manganese also finds uses in the manufacture of electrical components, fertilizers, animal food, batteries and non-ferrous alloys (particularly aluminium).
- Steel containing 8 to 15% of manganese can have a high tensile strength of up to 863 Mpa (Mega Pascals)

Mn Ore Production (Mn Units) - 2009





## ECLIPSE METALS LTD MANGANESE PROJECTS



# Mary Valley Manganese

## Project Highlights:



- The Mary Valley Manganese Project is located approximately 14 road kilometers southwest of Gympie Township in Queensland; 138 km by rail north from Brisbane
- The largest historical mining operation on the tenements controlled by Eclipse Metals were the Amamoor Manganese Mines which produced over **20,000t @ plus 51% Mn.**
- Over 32,000 tonnes of manganese ore has been mined from the three Mary Valley Project tenements where manganese grade ranged from **42% to 51% Mn** with all the deposit open along strike and at depth. Currently, **Eclipse Metals is undertaking exploration to determine the extent of manganese mineralisation.**
- Historical production grades and recent sample assays indicate that Mn, Fe, Si and P levels are all **within direct shipping ore (DSO) parameters** which further enhances economic potential for mining operations in the Mary Valley Manganese Project.
- The project tenements cover an area of about 210sqkm within extensive areas of favourable lithology in the three exploration permit (EPM) areas.
- Recent assessment of historical mine workings (1915-1966) indicates that **full extent of mineralisation has not been exploited**, providing substantial exploration upside.

## Historical Manganese Production in Mary Valley



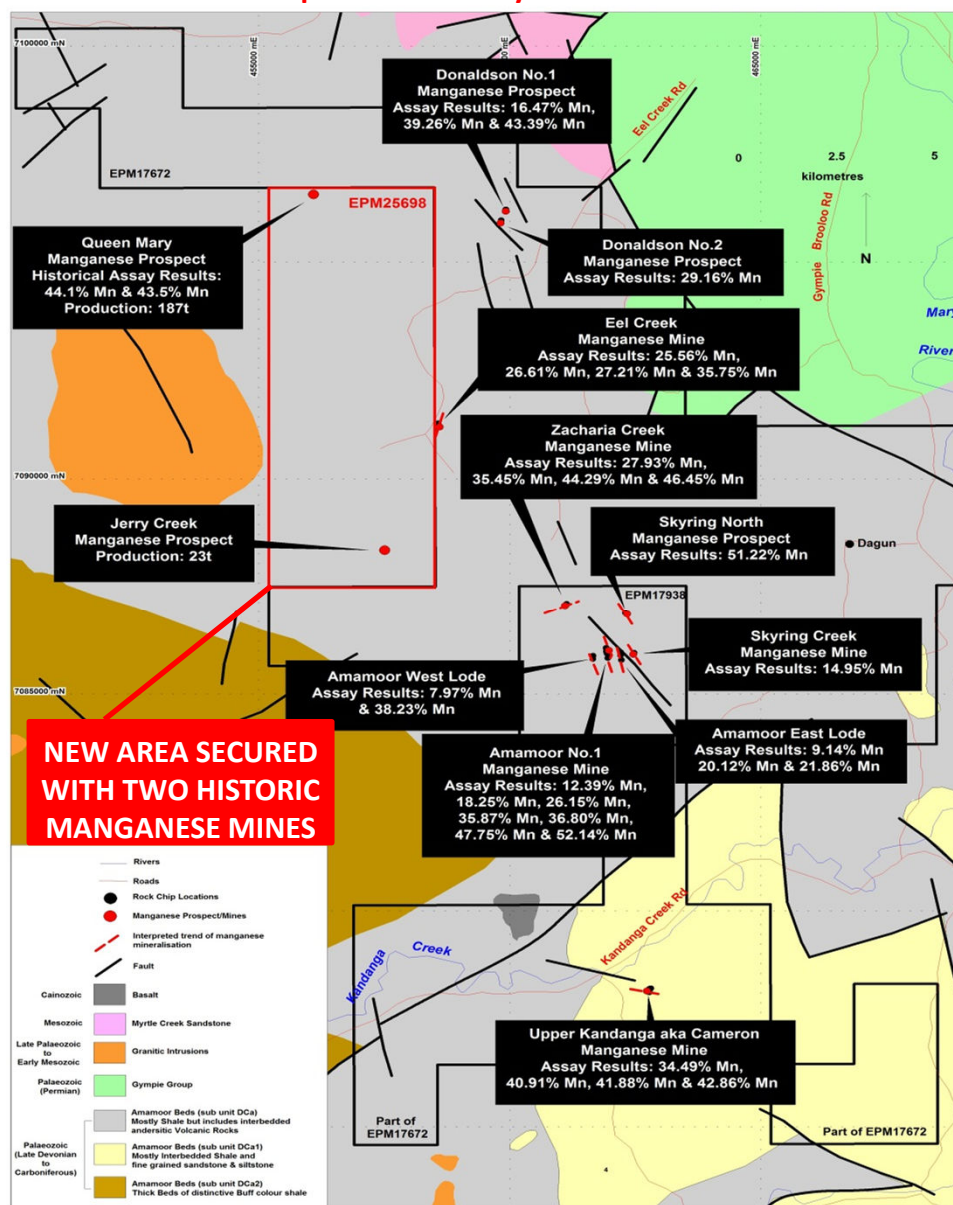
### Historical Production in Mary Valley

Prospect Name	Manganese/Mine Workings	Years of Production	Ore production (tonnes)
Amamoor	274.0m long x 27.43m wide x 21.33m deep	1920, 1960	20,145t @ 51% Mn, 10% silica
Kandanga (aka Cameron)	44.2.0m long x 3.65m wide x 19.81m deep	1918-19, 1958-1960	8,893t @ 46% Mn, 22% silica
Skyring Creek	152.0m long x 4.57m wide	1960	2,457t @ 45% Mn, 19% silica
Amamoor No.2	Unknown	1959-1960	515t @ Unknown
Eel Creek	35.05m long x 9.14m wide x 2.13m deep	1949, 1951, 1960	234t @ 50% Mn, 6% silica 38t @ 46% Mn, 15% silica
Dagun Prospect	6.1m long x 2.4m deep	1921, 1949	100t @ 48% Mn, 5% silica
Mt Mooloo Prospect	Trench 1 and 2: 13.71m long, 2.74m deep	1915	81t @ 50.3% Mn, 1.9% silica, 7.4% FeO <sub>2</sub>
	Trench 2: 15.24m long, 2.13m wide x 1.52m deep		
Donaldson's Deposit	22.86m long x 9.14m wide x 2.74m deep	1949, 1960	25t @ 46% Mn, 15% silica
Zachariah Creek	Unknown	1959	16t @ 40% Mn, 19% silica
Robert's Prospect	6.40m long x 4.26m wide x 3.04m deep	Unknown	15t @ 38.6% Mn
Mooloo T.O Prospect	15.24m long x 2.13m wide	Unknown	42% Mn, 11.6% silica, 5.8% FeO <sub>2</sub>
<b>Total</b>			<b>31,477t of high grade Mn ore - mined</b>

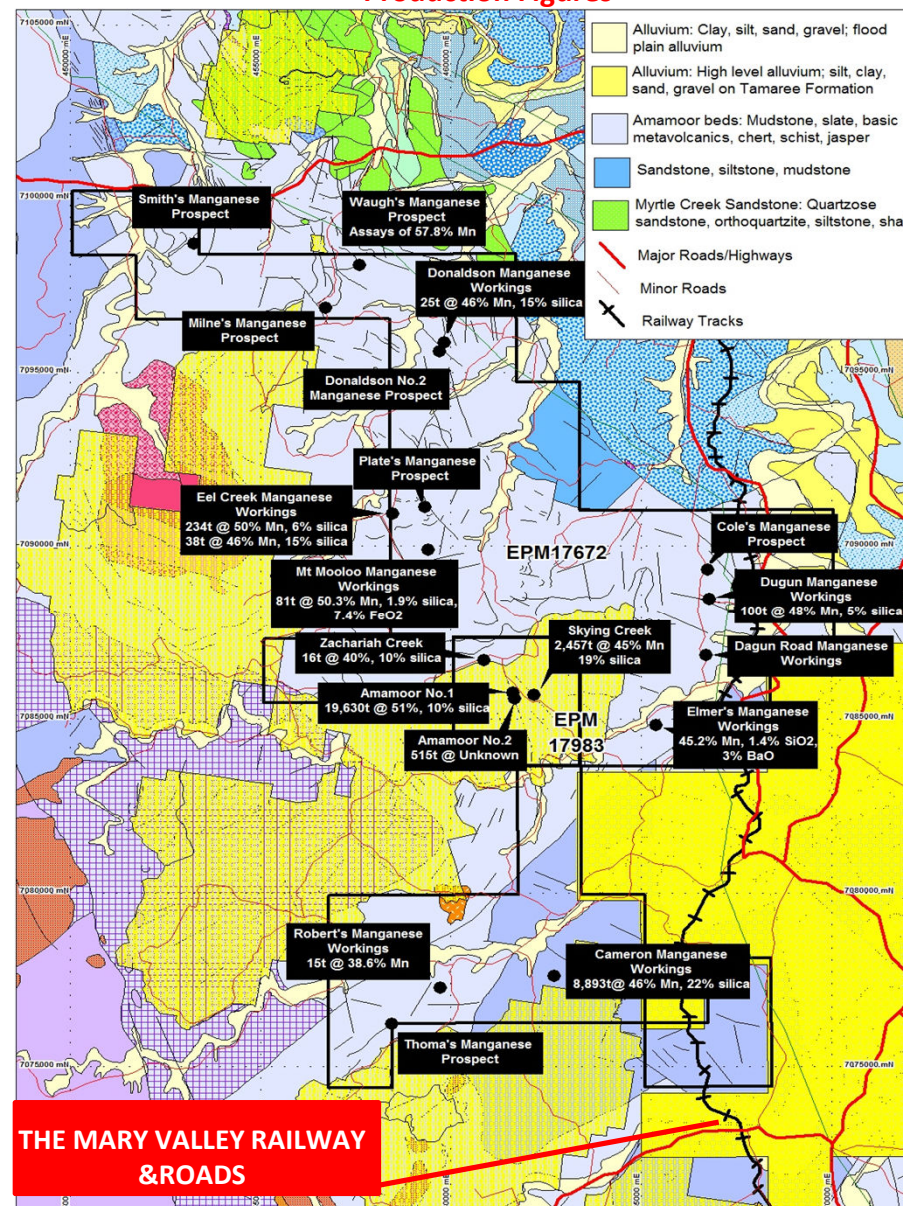


# Mary Valley Manganese Project

## Regional Geology Map with Historical Mn Workings and Recent Eclipse Metals Assay Results and new EPM Area



## Historical high grade manganese mining Production Figures





# Mary Valley Manganese

## Highlights From Recent Exploration - July 2014



### Highlights of Rock Chip Sample Analytical Results

Sample Id	Easting (mE)	Northing (mN)	Prospect Name	Al2O3 %	CaO %	Fe2O3 %	K2O %	MnO %	Mn %	Na2O %	P2O5 %	SiO2 %
PS031	461958	7085835	Amamoor Mine	1.79	1.98	4.13	0.19	61.66	47.75	0.08	0.1	15.78
PS032	461664	7085888	Amamoor West Lode	3.02	1.07	11.7	0.07	49.36	38.23	0.03	0.37	25.12
PS035	462305	7086888	Skyring Creek Prospect	1.97	0.82	6.89	0.43	66.14	51.22	0.12	0.08	1.68
PS039	462760	7078121	Upper Kandanga	2.06	1.52	1.44	0.12	52.83	40.91	0.3	0.12	34.48
PS040	462813	7078206	Upper Kandanga	1.34	1.28	0.77	0.22	54.08	41.88	0.17	0.16	33.1
PS041	462788	7078194	Upper Kandanga	3.83	1.36	1.84	0.55	44.53	34.49	0.64	0.07	36.94
PS042	462786	7078114	Upper Kandanga	2.59	1.23	2.24	0.65	55.34	42.86	0.3	0.14	25.55
PS043	459928	7096223	Donaldson No.1	0.83	2.94	1.76	0.07	50.69	39.26	0.15	0.06	30.1
PS046	459926	7096216	Donaldson No.1	0.65	2.48	1.22	0.37	56.03	43.39	0.2	0.07	23.25
PS050	458575	7091285	Eel Creek Mine	1.78	3.46	6.28	0.13	46.16	35.75	0.14	0.08	31.86
PS051	461137	7087108	Zacharia Creek Prospect	1.77	1.22	7.53	0.04	59.98	46.45	0.03	0.07	19.6
PS052	461136	7087092	Zacharia Creek Prospect	2.42	2.34	6.26	0.04	57.19	44.29	0.05	0.05	21.27
PS054	461116	7087080	Zacharia Creek Prospect	2.13	9.19	6.31	0.03	45.77	35.45	0.04	0.04	19.6
PS057	461927	7085988	Donaldson No.2	5.54	4.97	7.98	0.03	46.31	35.87	0.04	0.15	27.24
PS058	461934	7085981	Amamoor Mine	7.38	7.56	5.74	0.09	47.52	36.80	0.06	0.21	17.7
PS060	461961	7085948	Amamoor Mine	3.69	2.73	1.74	0.11	67.33	52.14	0.04	0.1	8.62

Recent assessment of historical mine workings indicates that full extent of mineralisation has not been exploited, providing substantial exploration upside at Amamoor manganese mine.

### AMAMOOR MANGANESE MINE:

Workings suggest that the primary mangiferous horizon trends about north-northwest with a steep dip towards the northeast and that the workings down-slope exploited the down-dip continuation of the main mineralised zone of this horizon.

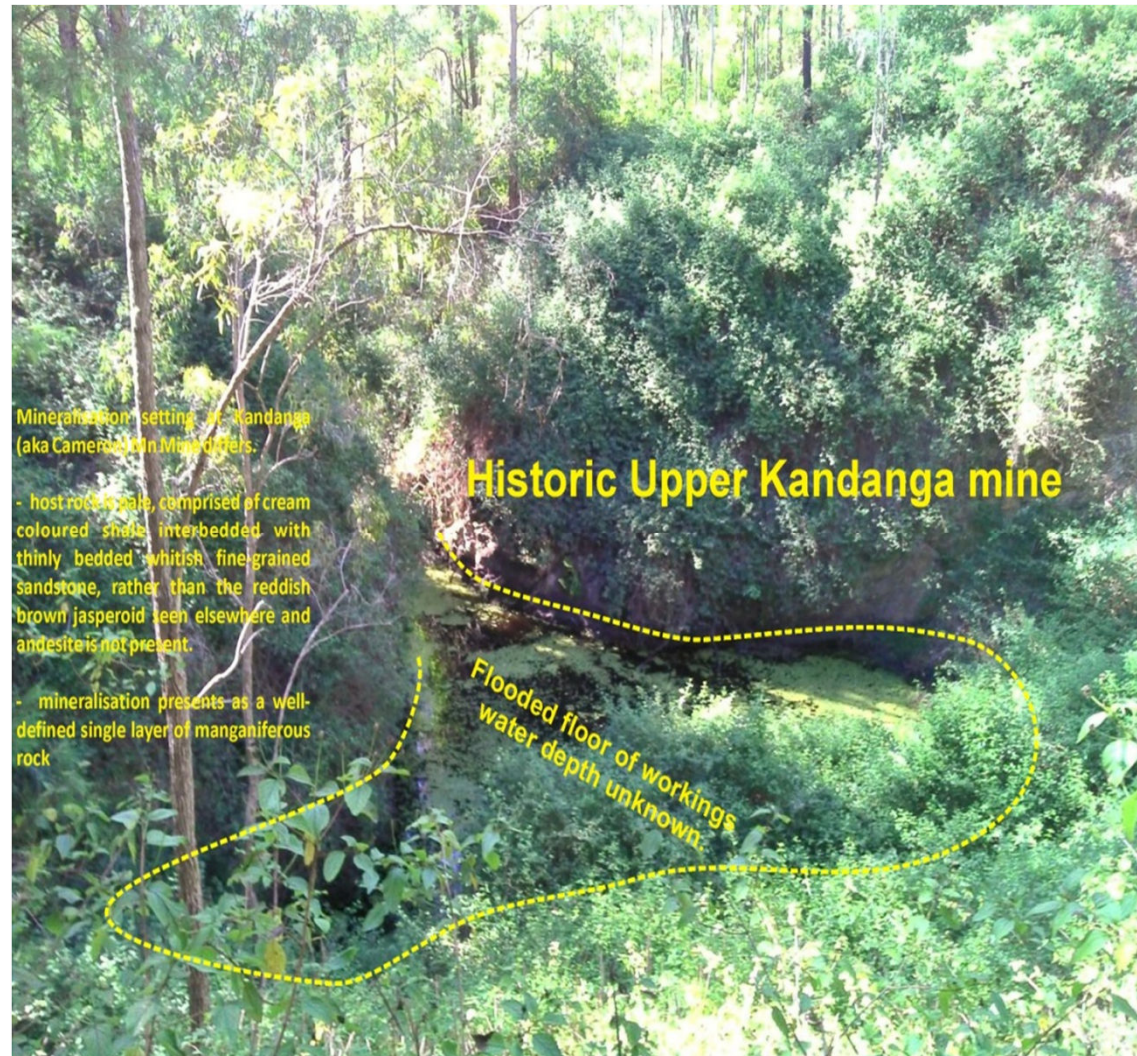


### UPPER KANDANGA (AKA CAMERON) MANGANESE MINE:

Mineralisation is in a distinct bed two to three metres thick and appears to be different from other historical operations being associated with shale and sandstone, rather than jasperoidal chert and andesite, and with shallow dip angles.

The continuity of mineralisation along strike west of the workings is unknown but the thickness of the layer exposed in the western wall of the workings suggests that it is likely to extend a considerable distance westwards into the wall of the gully.

**Recent assessment of historical mine workings at Upper Kadanga indicates that full extent of mineralisation has not been exploited, providing substantial exploration upside.**





## Mary Valley Manganese

Highlights From Recent Exploration - July 2014

### SKYRING CREEK

The old mine workings have been excavated along the contour of a hill with a trend varying from north-south to about north-northwest, extending about 80m. The width of working is estimated to be about 8m to a depth of about 4m in the areas observed. Remnant ore is partly exposed in section of the eastern wall of the excavations where there appear to be at least two lenses both striking about north-northwest. Dip at both excavations is towards the northeast at a moderate angle. The thickness of the lens or lenses appears to be about 1.5m.

Further mineralisation to the north is represented by dense manganese rubble in the undergrowth.

**Remnant manganese ore is partly exposed in segments of the eastern wall of the excavation.**





#### EEL CREEK MANGANESE MINE:

The host rock of mineralisation is a manganiferous jasperoid which also outcrops up-slope to the east and along strike from the workings as well as adjacent to the workings. Structural evidence suggests that the mineralisation is folded and faulted, providing a setting for extensions and enrichment of the mineralised formation. Surrounding the workings, manganiferous rocks having bedding-parallel layers of manganese mineralisation several centimetres thick occur within an area at least 1,000m long and 250m wide. This large area is prospective for high-grade mineralisation and low grade zones amenable to beneficiation.

**Recent assessment of historical mine workings at Eel Creek manganese mine indicates that full extent of mineralisation has not been exploited, providing substantial exploration upside.**





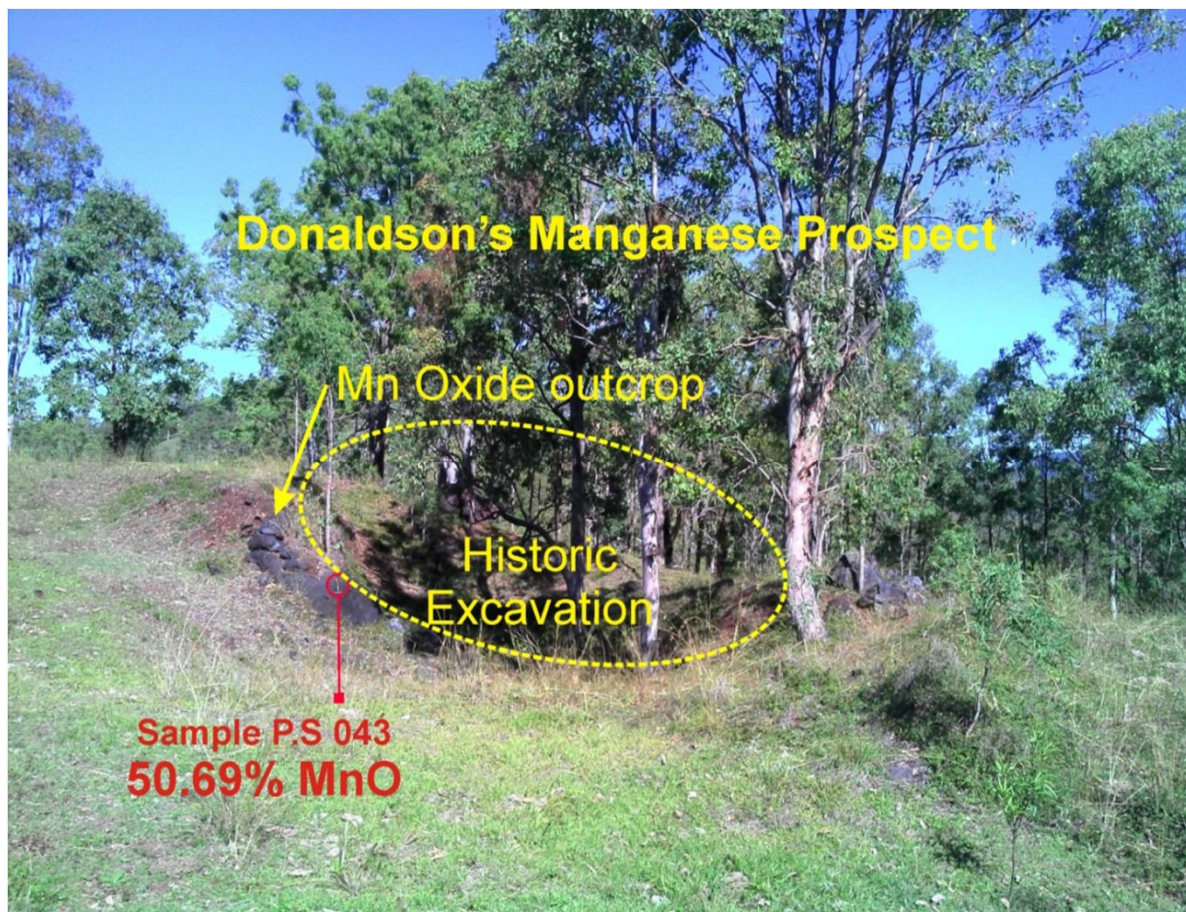
## Mary Valley Manganese

Highlights From Recent Exploration - July 2014

### DONALDSON:

The Donaldson prospect is situated on the top of prominent ridge elongated in a north-south direction which has been mostly cleared for pasture but with patches of open woodland. The ore lens was probably about 2m thick and about 25m long. Workings have a total length of about 30m and excavations were up to about 8m wide and 3m deep. Waste has been pushed to the west of the excavation obscuring probable exposures.

**Recent assessment of historical mine workings at Donaldson prospect indicates that full extent of mineralisation has not been exploited, providing substantial exploration upside.**



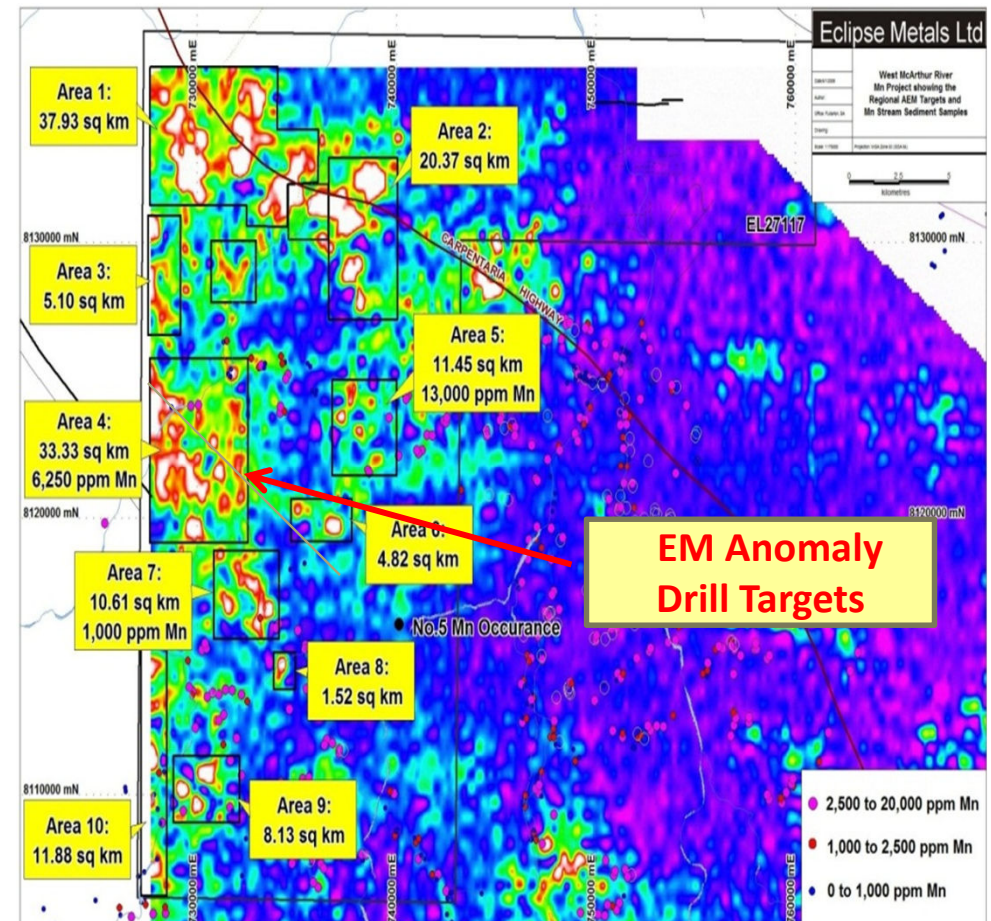
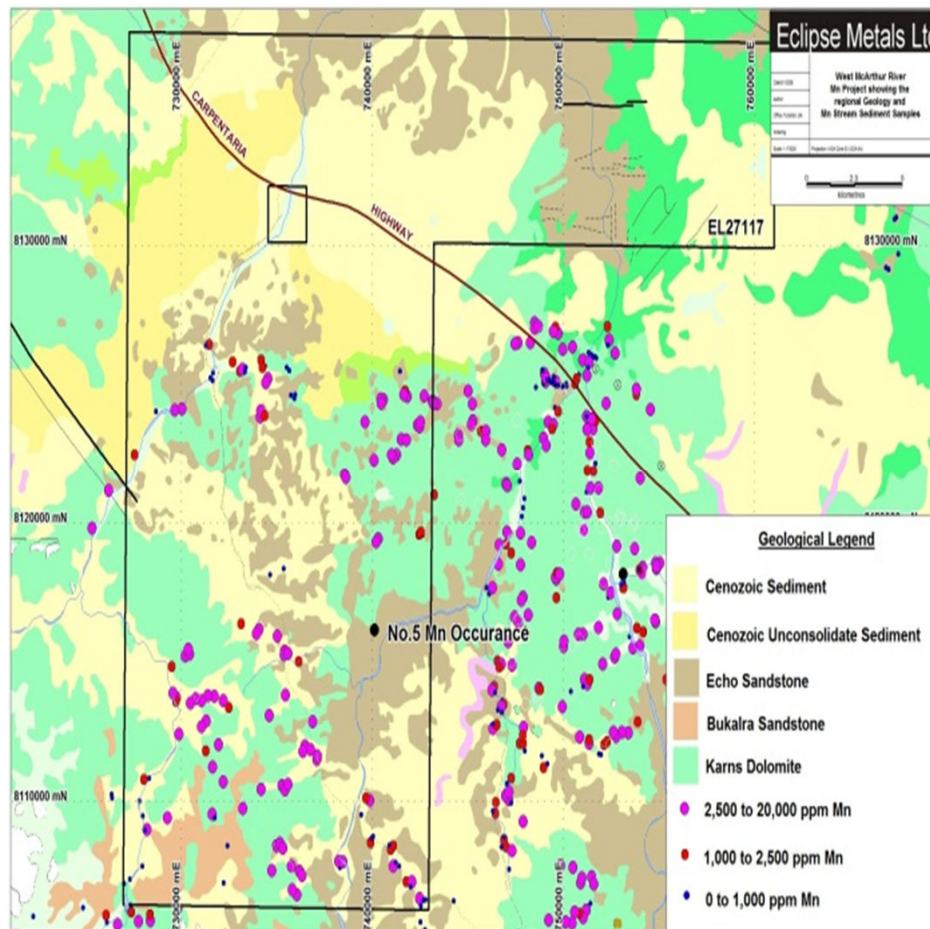
**ZACHARIAH CREEK:** The old mine workings have been excavated along the contour of a hill with a trend varying from north to northwest, extending about 80m. The width of excavations is difficult to ascertain but were probably about 8m wide to a depth of about 4m in the areas observed. Remnant ore is partly exposed in segments of the eastern wall of the excavations where there appear to be at least two lenses both striking about north-northwest. Further mineralisation to the north is represented by dense manganese rubble in the undergrowth.



## West McArthur River Project - NT

### Manganese highlights

- The West McArthur River Project tenement has a total area of 629.8km<sup>2</sup> with manganese hosted within the world class McArthur Mineral Field of the Northern Territory.
- Target areas within the dolomite are interpreted to be analogous to the Woodie Woodie Deposit in Western Australia.
- Highly anomalous manganese stream sediment samples throughout the license area have not been followed up.
- Contains 10 untested electro-magnetic (EM) anomalies which are classified as walk-up drill targets within an area of 135 km<sup>2</sup> believed to host manganese mineralisation based on anomalous analyses.
- Outcropping manganese mineralisation at the No 5 prospect .
- All elements required for the formation of dolomite hosted, high grade manganese deposits are present in the area.



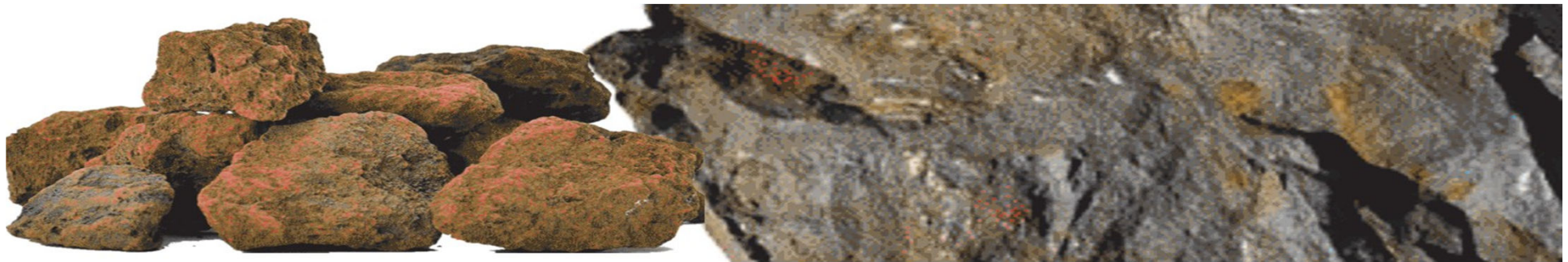




# Iron Portfolio

**Moonford Iron - QLD**

**West Bachelor - NT**



## ECLIPSE METALS LTD IRON PROJECTS



- Location Exploration Licences
- Iron Prospects
- Major Towns
- Highway/Major Roads

**Eclipse Metals Ltd holds two  
Iron projects in QLD & NT.**

### West Bachelor Project EL26257

Mt Tolmer prospect contains massive hematite at the unconformity between the Depot Creek Formation.

Samples returned 61.8% Fe, 0.19%P and 0.015%S

Table Top Iron Prospect Laterite contains 20-40%Fe. Estimated 20 Mt of laterite per 1.5 vertical meters. Beneficiation by magnetic separation appears feasible

### Moonford Project EPM18596

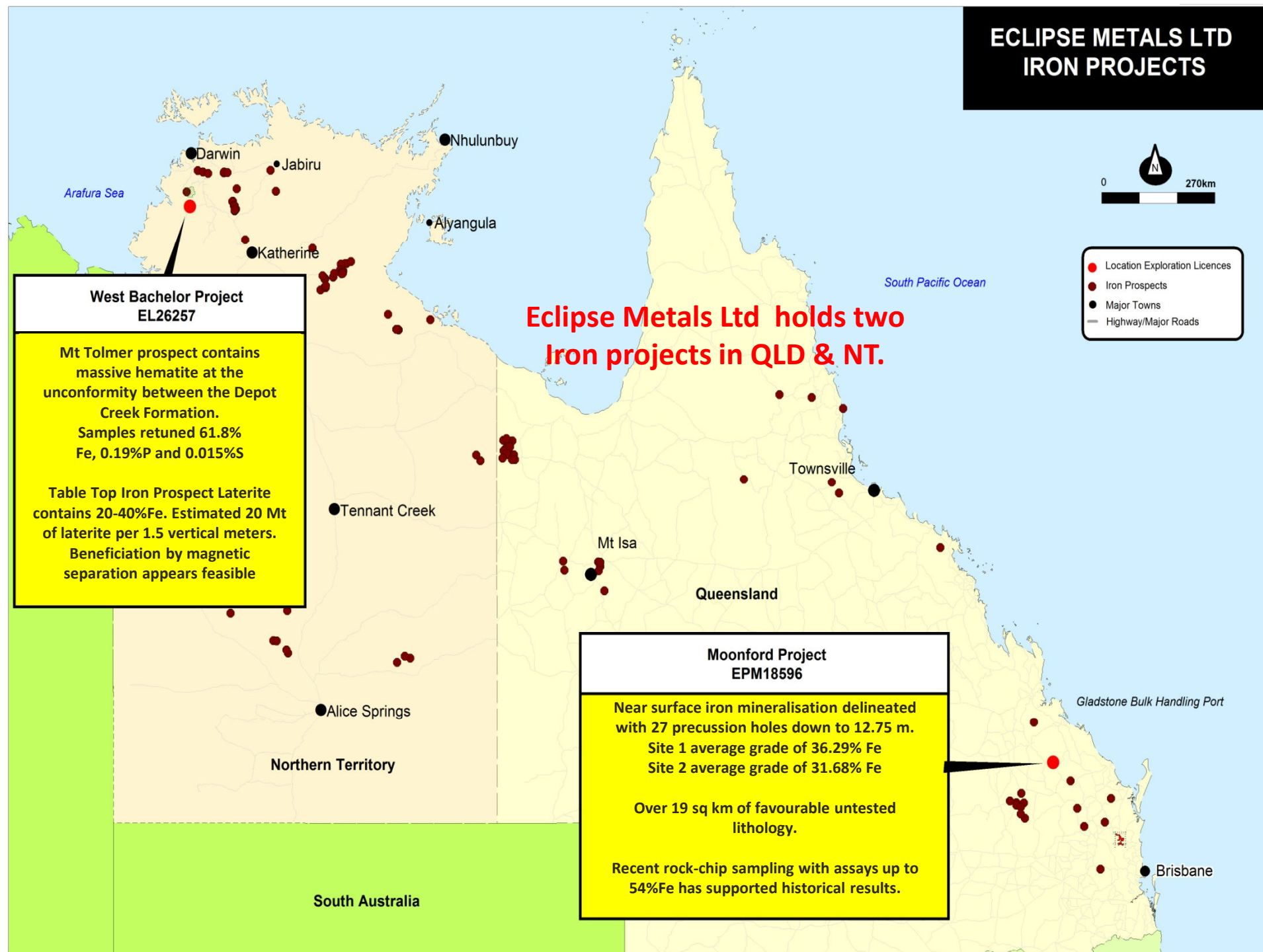
Near surface iron mineralisation delineated with 27 percussion holes down to 12.75 m.

Site 1 average grade of 36.29% Fe

Site 2 average grade of 31.68% Fe

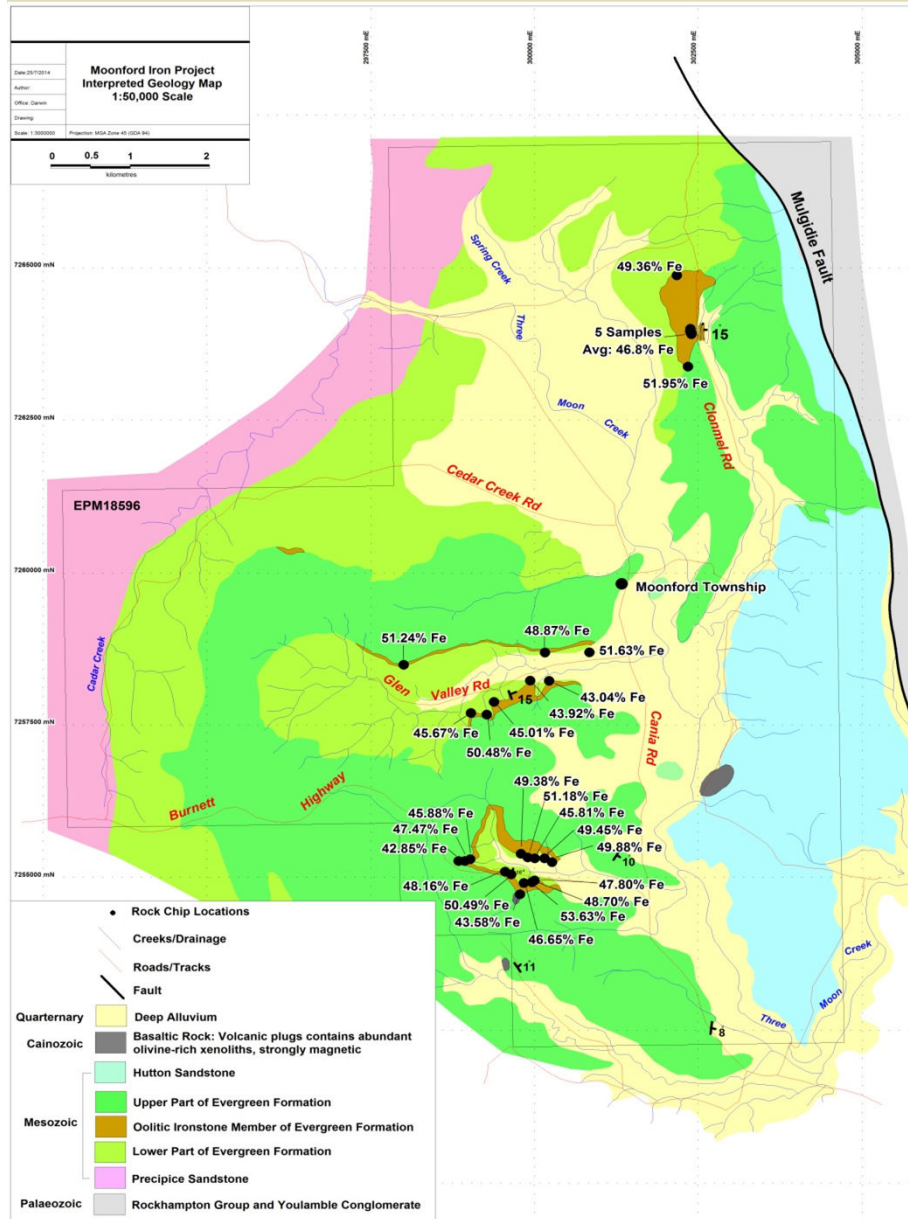
Over 19 sq km of favourable untested lithology.

Recent rock-chip sampling with assays up to 54%Fe has supported historical results.





## Moonford Iron Project - QLD



- The Moonford Iron project is located approximately 13 kilometres from Monto Township about 133 rail kilometres from the port of Gladstone. Gladstone Port is one of Queensland largest bulk handling port facilities.
- Recent sample assays have returned **significantly higher iron grades** compared with results from historical work. All rock chip samples returned + **42% Fe**.
- Rock-chip sample assays returned results up to **54% iron** in the Moonford project tenement. Individual prospects includes:

Clonmel Road	<b>52% Fe</b>
Glenn Valley Road:-	<b>52% Fe</b>
Burnett Highway:-	<b>54% Fe</b>

- Mineralisation from the project area is accessible, close to transport and could be mined by a simple, inexpensive strip-mining method.
- Metallurgical studies will be carried out to evaluate potential for beneficiation.

## Moonford Iron Project – QLD

### Historic Drilling



#### Queensland Commercial Minerals 1984 - 27 percussion holes for 218.25m

Historical Percussion Drilling Intersections at Moonford Site 1

Hole No.	From Mineralised Zone (m)	To Mineralised Zone (m)	Length (m)	Grade (Fe%)
Hole 1	2	4.3	2.3	40.15
Hole 2	3.5	4.5	1	36.37
Hole 3	5.5	10.5	5	34.97
Hole 4	5	9.5	4.5	32.17
Hole 5	6	7.5	1.5	39.31
Hole 6	8.5	12.5	4	37.00
Hole 7	6.5	10	4.5	36.02
Hole 8	4	7.5	3.5	37.21
Hole 9	5	9	4	26.30
Hole 10	3.5	7.5	4	36.51
Hole 11	3	6.5	3.5	38.19
Hole 12	2	5.5	3.5	40.29
Hole 13	0.5	4.5	4	37.49
Hole 14	1	4	3	37.00
Hole 15	1	4.5	3.5	39.87
Hole 16	0.5	4	3.5	38.19
Hole 17	3	6.5	3.5	37.42
Hole 18	3.5	7.5	4	34.34

Historical Percussion Drilling Intersections at Moonford Site 2

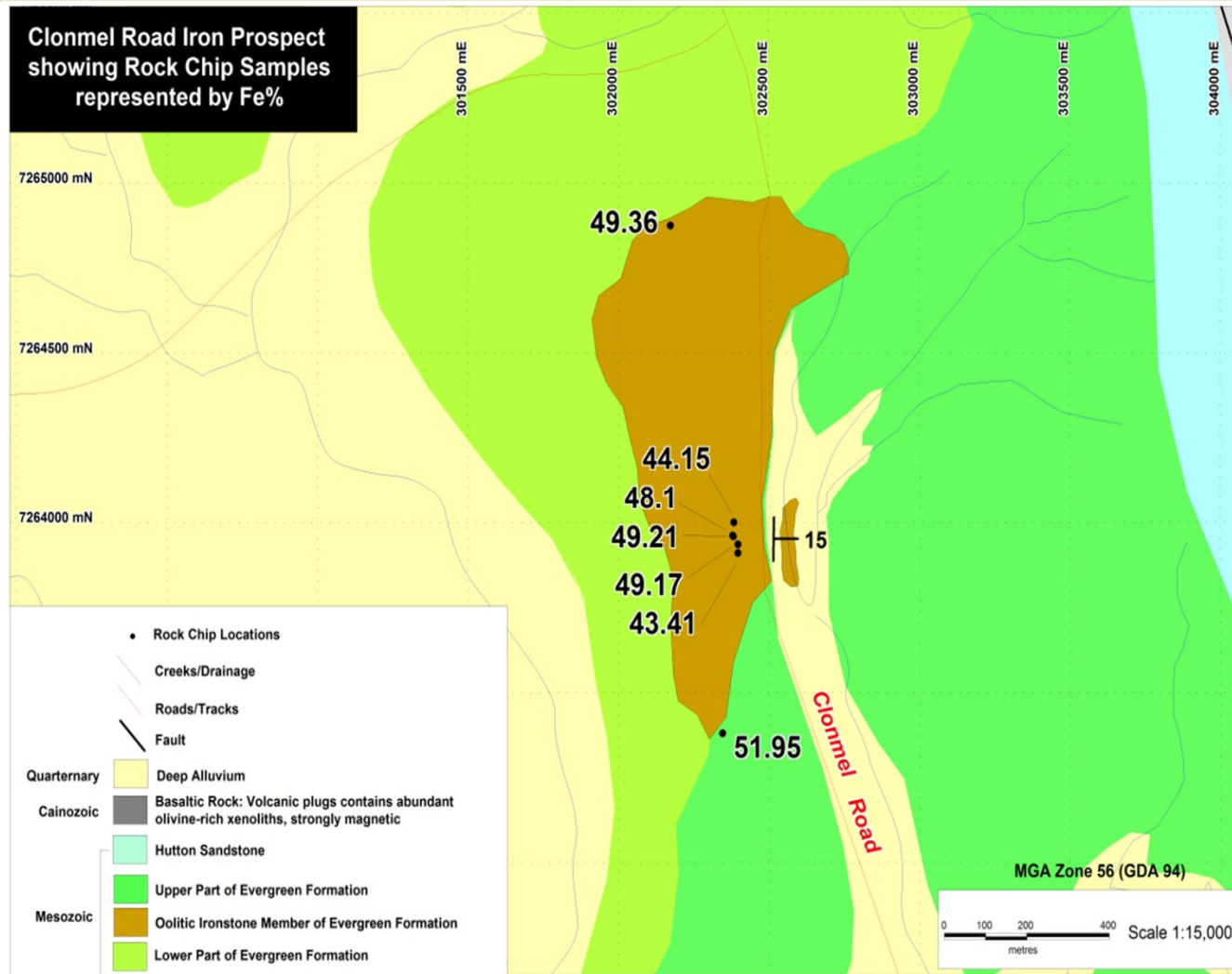
Hole No.	From Mineralised Zone (m)	To Mineralised Zone (m)	Length (m)	Grade (Fe%)
Hole 1	1.5	6	4.5	32.80
Hole 2	2.5	5.5	3	34.90
Hole 3	3	6.5	3.5	27.70
Hole 4	0.5	5	4.5	33.22
Hole 5	5	9.5	4.5	32.52
Hole 6	3.5	10	7.5	30.42
Hole 7	5	9.5	4.5	30.77
Hole 8	3	8.5	5.5	32.59
Hole 9	5.5	9.5	4	30.07

Intersected iron mineralisation **below 0.5m** of overburden with overall averaged assays ranging from 31.68% to 36.29% Fe down to a depth of 12.75m.



## Moonford Iron Project - QLD

### Clonmel Road Iron Prospect



The Clonmel Road Prospect is a continuous erosional remnant of iron formation about **1,600m long** and up to **700m wide**.

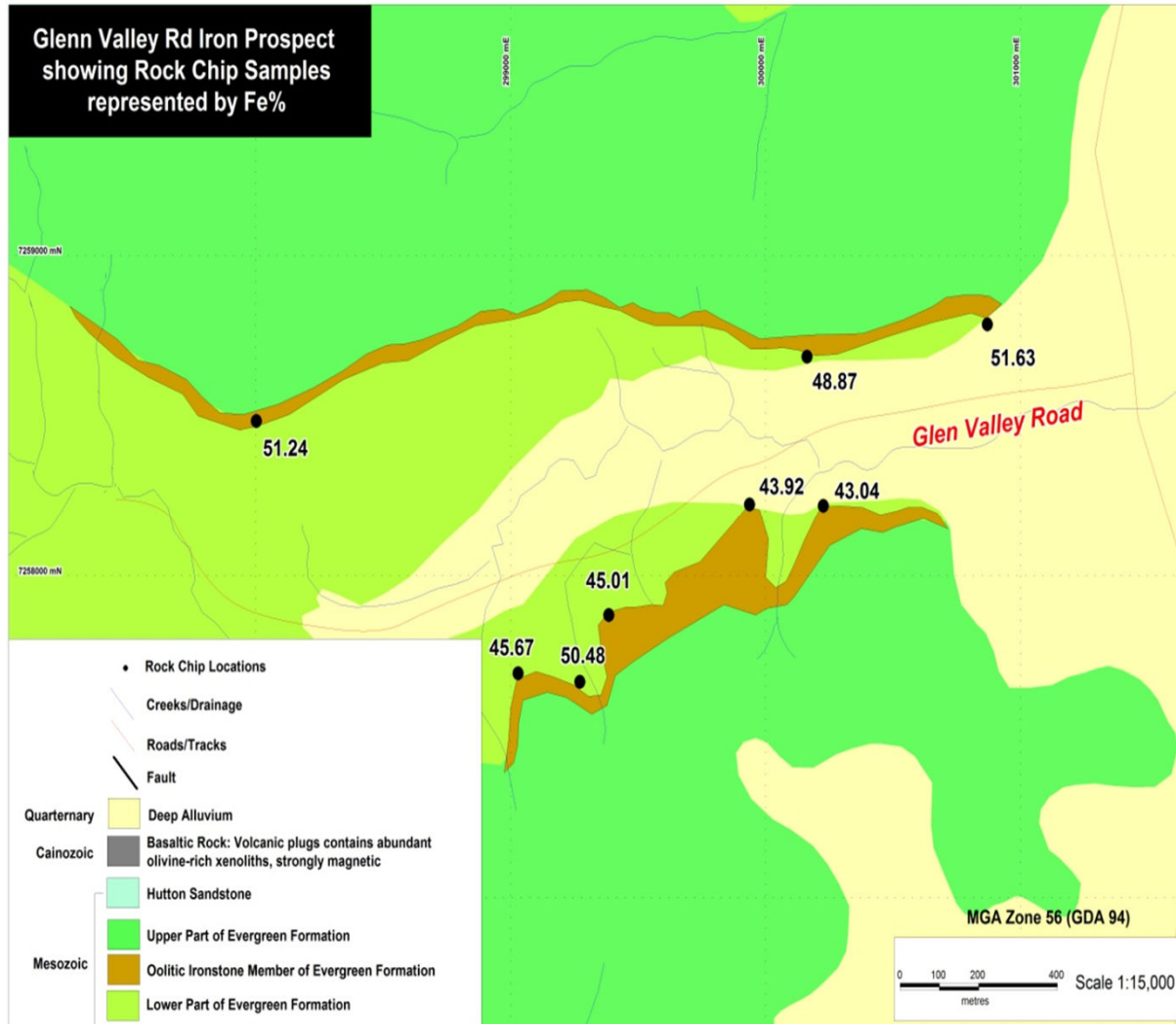
The overlying rocks have been eroded, leading to the formation of a gently dipping surface, corresponding to the weathered upper surface of the oolitic ironstone layer. The result is a low scarp on the western edge of the outcrop area with dip-slope covered with **minimal overburden** all dipping gently to the east.



The oolitic ironstone is well exposed in a small quarry adjacent to Clonmel Road which has been excavated near the southeast limit of the layer of ironstone. Approximate centre of the quarry is at 302415mE/7263965mN.

## Moonford Iron Project - QLD

### Glenn Valley Road Iron Prospect



The Glen Valley Prospect is one of the areas that received attention from previous explorers. At Site 1 of Queensland Commercial Minerals (Commercial Minerals), **18 rotary percussion holes were drilled in an area of about 100m x 150m.**

There are two individual mapped iron formations in which the largest is over **2,000 m long by 180 m width.** The oolitic ironstone is more resistant to erosion than the underlying and overlying rock formations and often forms a distinctive low scarp of dark and obviously ferruginous rock (*photo below*).

The northern flank of the valley containing the Glen Valley Road prospect tends to have steeper slopes than the southern flank and the oolitic ironstone outcrops discontinuously as scarps, above which the slope is less but benches are narrow or absent.

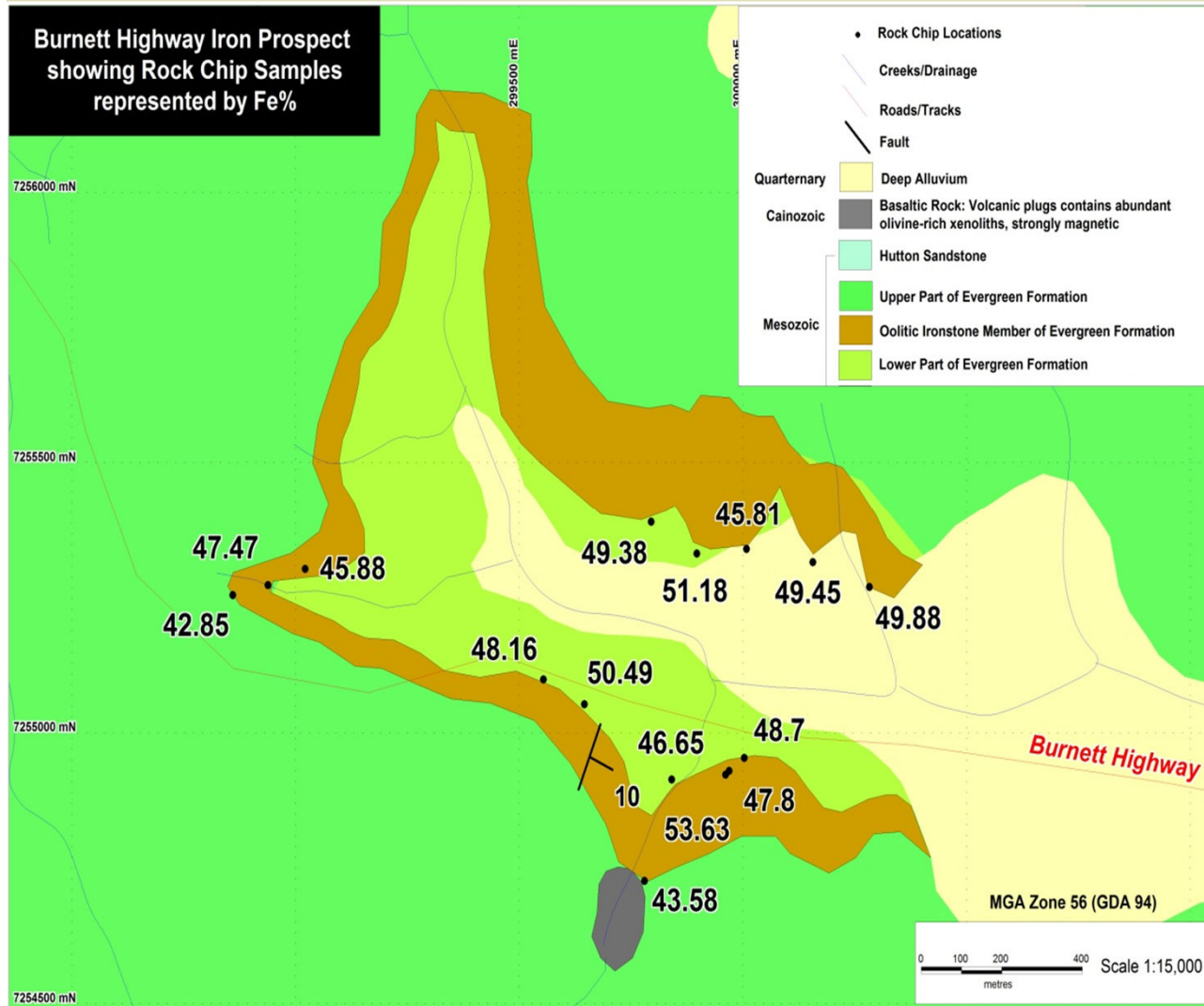


The bedding orientation of the oolitic ironstone, e.g. strike and dip of  $340^{\circ}/15^{\circ}$  ENE at 299621mE/7257973mN (elevation about 330m), **indicates that the ironstone is likely to extend a considerably distance into the hillsides** under cover of the rocks of the upper part of the Evergreen Formation.



## Moonford Iron Project - QLD

### Burnett Highway Iron Prospect



Also in 1984, Commercial Minerals drilled 9 percussion holes in an area of 60m X 120m near the Burnett Highway.

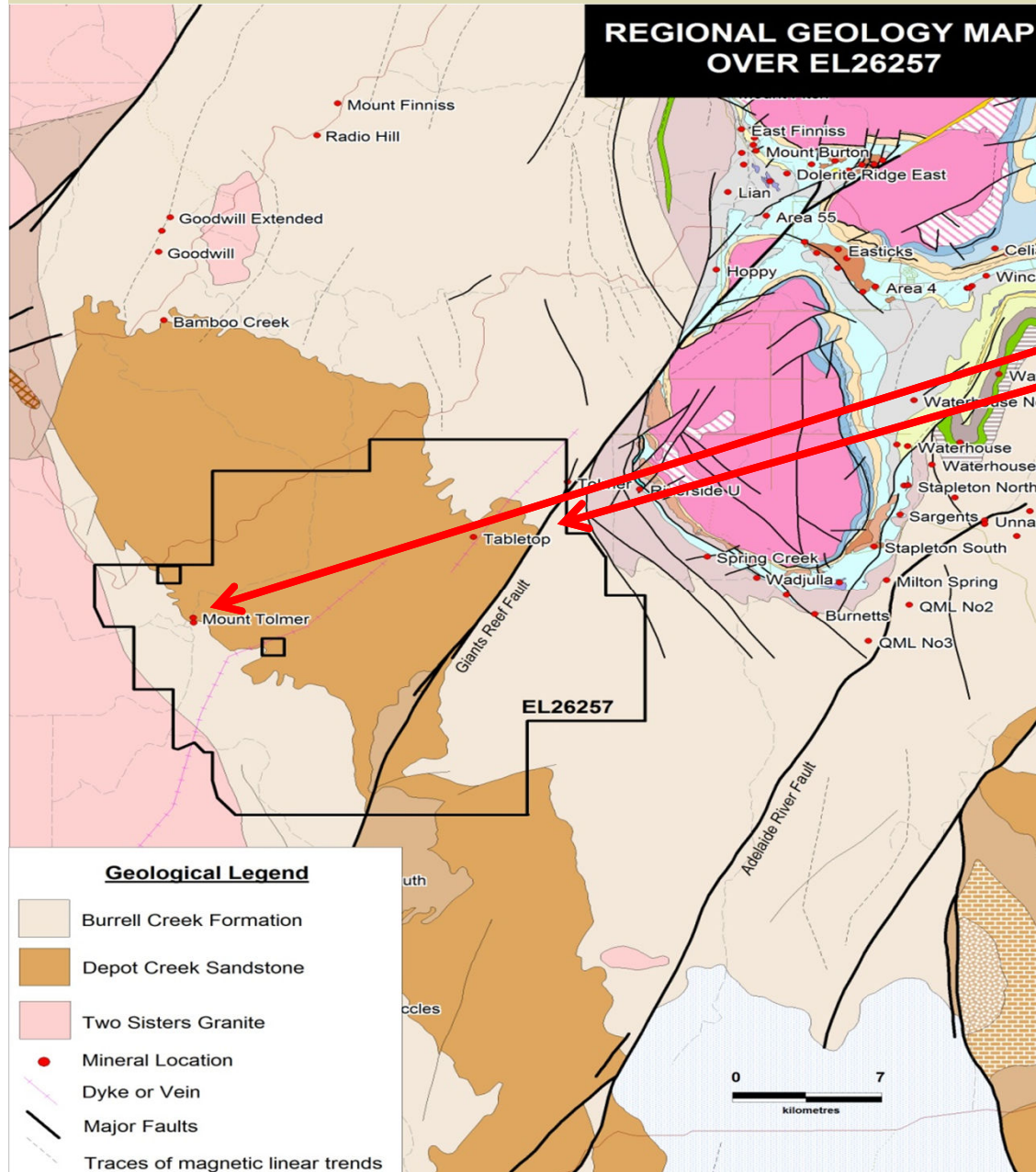
The low scarps are found at about mid-slope on both sides of the valley and where the overlying rocks have been eroded, forming benches that extend back from the scarp. The benches reach a maximum **width of about 300m.**



#### FUTURE EXPLORATION

During the third phase of exploration on the Moonford Project, samples of iron mineralisation collected from the field will be submitted for petro-physical studies to determine suitable methods for further geophysical exploration and to facilitate targeting for a proposed RC drilling programme.

## West Bachelor Iron Project - NT



- Desktop study of the West Bachelor Project data confirmed the highly prospective nature of the Mt Tolmer and Tabletop Iron prospects.
  - 1. Mt Tolmer Iron Prospect
  - 2. Table Top Iron Prospect
- Mt Tolmer historical rock chip sampling program returned iron assays up to **61.8% Fe** from surface with 20% to 40% Fe from the Tabletop prospect.
- Historical metallurgical studies conducted during the 1970's on samples from the Tabletop Prospect indicate magnetic beneficiation of the iron mineralisation appears feasible.
- Exploration will target the identification of high grade iron mineralisation and collection of samples for metallurgical test work.





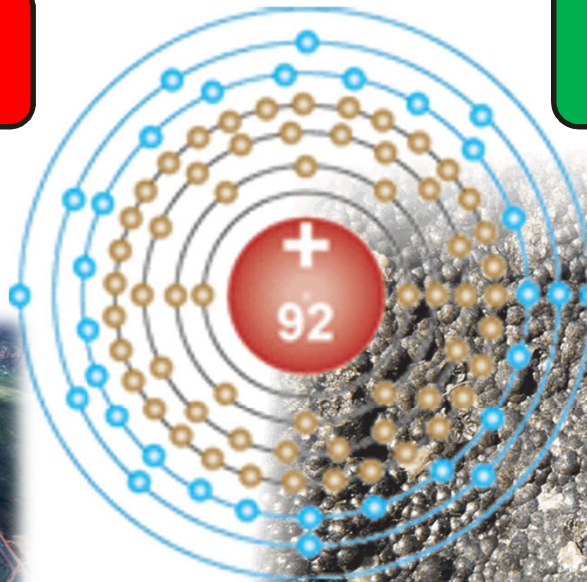
# Uranium Portfolio

**16,887 km<sup>2</sup> in NT – Australia**

Highly prospective uranium ground divided into **three (3) key areas** in the Northern Territory

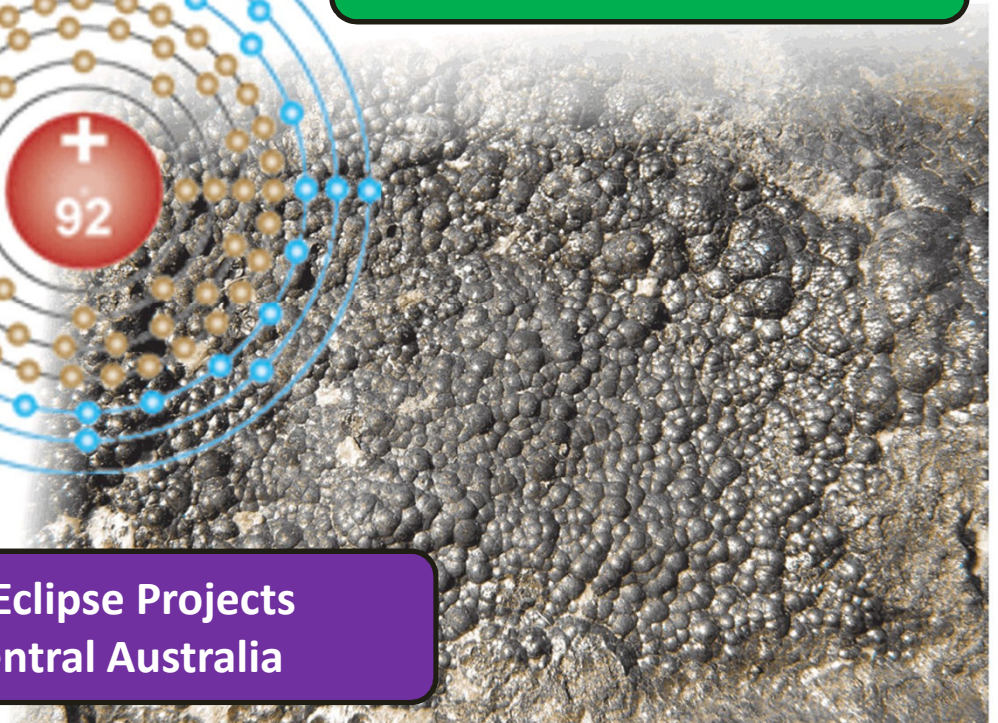
**1A : West Arnhem / Liverpool Projects**  
**1B : Alligator Uranium Fields - NT**

1,239 km<sup>2</sup> of highly prospective uranium gold, platinum and palladium ground located near the world class deposits of Ranger, Nabarlek, and Jabiluka Uranium Mines.



**2: North Arunta Projects**  
**Central Australia**

**3: Eclipse Projects**  
**Central Australia**



## Eclipse NT Uranium Projects



Eclipse Metals Ltd currently holds 16,887 km<sup>2</sup> of highly prospective uranium tenements in the Northern Territory, covering areas within West Arnhem (Alligator Rivers Uranium Fields) and within the Ngalia Basin in Central Australia. Defined in the presentation into only three (3) key areas.

### 1A & 1B : Liverpool Projects - Uranium

**The Liverpool Project** consists of four Exploration Licence Applications with a combined area of 1,239 sq km situated in part of the McArthur Basin. **The project area lies within the world class Alligator Rivers Uranium Field which hosts large deposits such as Ranger and Jabiluka Uranium Mines.** The Devil's Elbow uranium-gold-palladium prospect (located within EL27584) is part of the Liverpool Projects which yielded high grade surface uranium assays of **3.2% U<sub>3</sub>O<sub>8</sub>, 3.7% U<sub>3</sub>O<sub>8</sub>, 4.40% U<sub>3</sub>O<sub>8</sub> 5.8% U<sub>3</sub>O<sub>8</sub>, with 38.1 g/t Au and 28.02 g/t Pd .**

### 2: North Arunta Projects – Uranium Central Australia

The North Arunta Uranium Project consists of 7 ELA's, totalling 6,120 km<sup>2</sup> of highly prospective uranium ground with historical exploration delineating calcrete palaeochannels. The project tenements cover outcropping calcrete lithologies mapped by the Northern Territory Geological Survey. Exploration drilling will target uranium values in long, shallow channels of calcareous alluvium using the Napperby deposit geological model (9.34 Mt @ 359 ppm for 3,351 tonnes (7.39 Mlbs).

### 3: Eclipse Projects – Uranium Central Australia

Eclipse Uranium Project located entirely within the Ngalia Basin, 300km west northwest of Alice Springs and is proximal to the Bigrlyi uranium project (9 km NW of EL24808). The Bigrlyi deposit consists of 15 separate anomalies over a 14km strike length. The deposit has 12,240t of contained uranium. The project tenements cover 3,993 km<sup>2</sup> of ground considered prospective for sandstone Bigrlyi style uranium mineralisation.



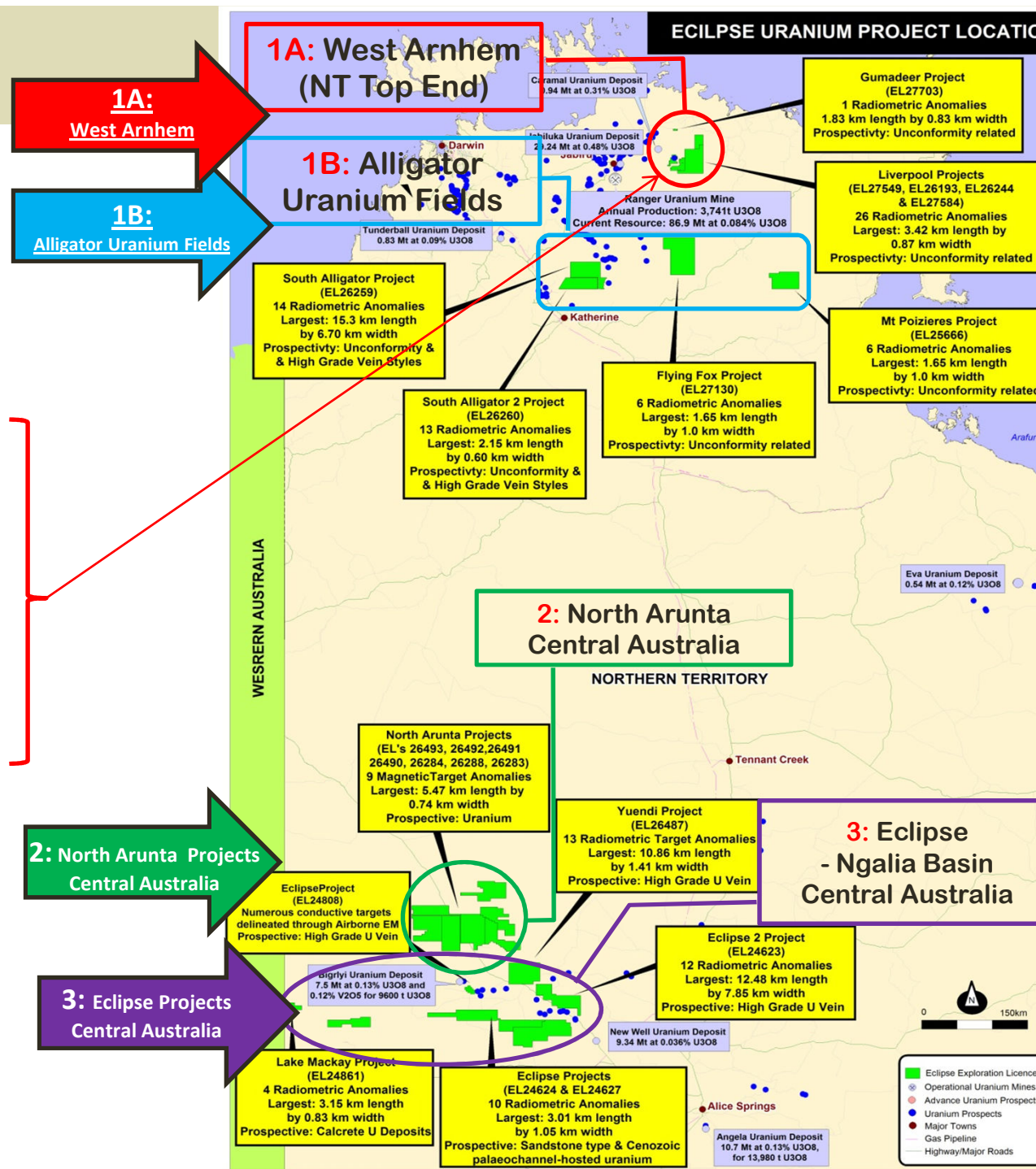
## Eclipse NT Projects Uranium Portfolio

Eclipse Metals applications for and granted tenements cover **16,887 km<sup>2</sup>** of highly prospective uranium ground in the Northern Territory, covering areas within West Arnhem (NT Top End) (Alligator Uranium Fields), North Arunta and Ngalia Basin in Central Australia.

Within the tenement package, prospects include the Devil's Elbow uranium-gold-palladium prospect (Part of the Liverpool Projects) located within EL27584.

1988-1989 Drilling and trenching sample uranium assays yielded high grade of **3.2%U<sub>3</sub>O<sub>8</sub>, 3.7%U<sub>3</sub>O<sub>8</sub>, 4.40% U<sub>3</sub>O<sub>8</sub> and 5.8% U<sub>3</sub>O<sub>8</sub>**, with **38.1g/t Au and 28.02g/t Pd** related to fractures within altered amygdaloidal basalt of the Nungbalgarri Volcanics.

The Eclipse Uranium Project areas surrounding Ngalia Basin are prospective for Unconformity Uranium Style and sandstone/calcrete/paleo-channel uranium concentrations. Exploration is at an early stage with strong potential to delineate uranium, gold, platinum, palladium and base metals mineralisation.





## 1A: Liverpool Projects - Uranium

1,239 km<sup>2</sup> of highly prospective uranium gold, platinum and palladium ground located near the world class deposits of Ranger, Nabarlek, and Jabiluka Uranium Mines.

**Nabarlek Uranium**  
Surface deposit mined June-October 1979. total production of 546,437 t of ore @ 1.84%

Alligator River

Goomadeer River

**Jabiluka Uranium Deposits**

**Eclipse Metals Devils Elbow Project**

**Ranger uranium mine JV: RIO & ERA**

**Ranger uranium mine JV: RIO & ERA**

**eclipse**  
METALS LTD



# 1A: Liverpool Projects

## Devils Elbow

The Liverpool Project consisting of four exploration licence applications totalling 1,239.22 sq km located near the world class deposits of Ranger, Nabarlek, and Jabiluka Uranium Mines.

Liverpool projects are highly prospective for uranium, gold, platinum and palladium

The Devil's Elbow uranium-gold-palladium prospect located within EL27584, yielded high grade surface uranium assays of **3.2%  $U_3O_8$ , 3.7%  $U_3O_8$ , 4.40%  $U_3O_8$  and 5.8%  $U_3O_8$** , with **38.1 g/t Au** and **28.02 g/t Pd** related to fractures within altered amygdaloidal basalt of the Nungbalgarri Volcanics.

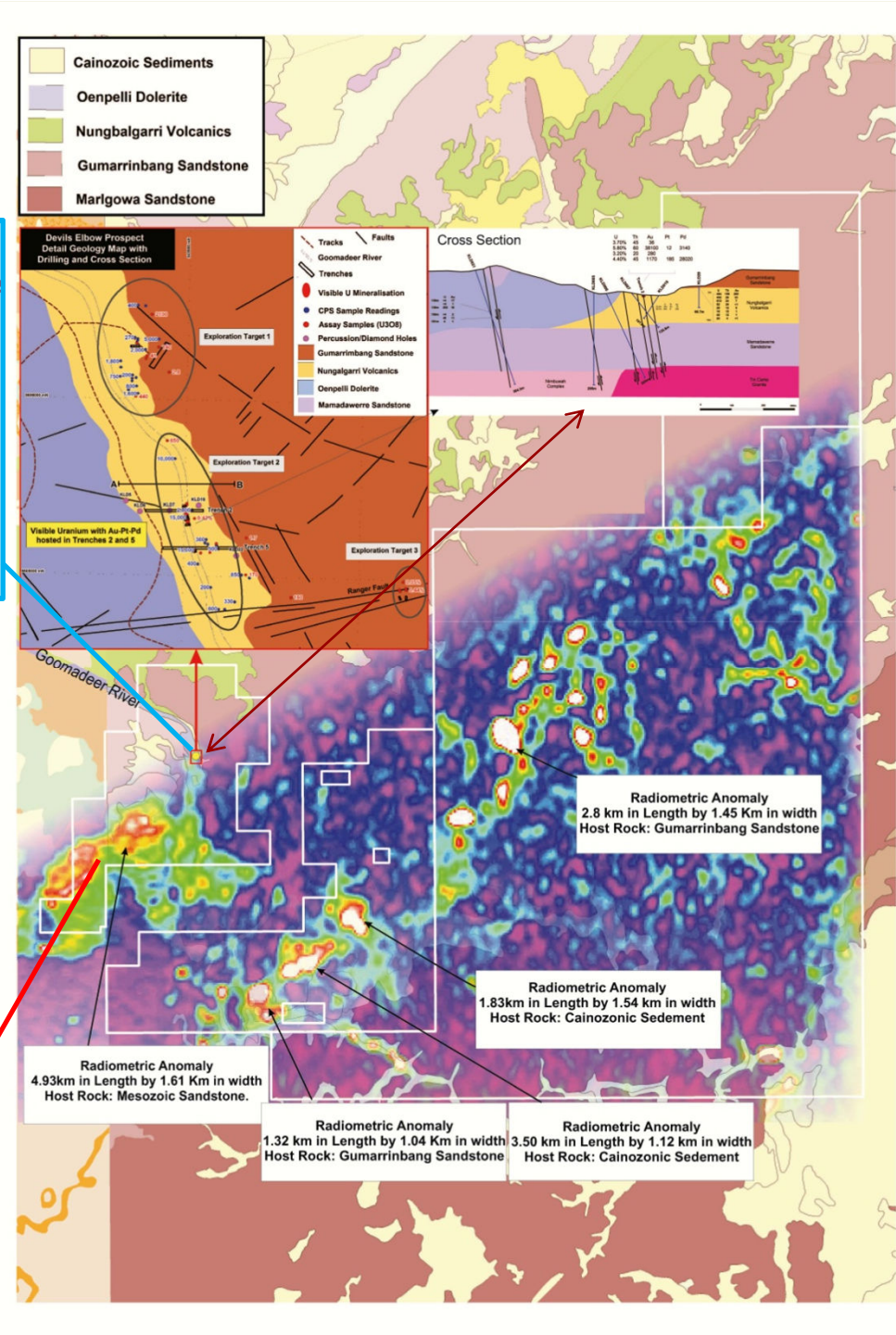
Abundant strong untested radiometric anomalies are hosted within the Gumarrinbang Sandstone which is considered prospective for unconformity style uranium mineralisation associated with gold and palladium.

Largest Radiometric Anomaly situated within EL27584 is **4.93km in length by 1.61km in width**

**Potential**  
Along in Ranger fault-line **untested large Radiometric Anomaly**

**1988-1989**  
**Drilling and surface**  
**uranium assays :**  
**3.2%U<sub>3</sub>O<sub>8</sub>,**  
**3.7%U<sub>3</sub>O<sub>8</sub>,**  
**4.40%U<sub>3</sub>O<sub>8</sub>**  
**and**  
**5.8%U<sub>3</sub>O<sub>8</sub>,**  
**with 38.1g/t Au**  
**and 28.02g/t Pd**

**Potential**  
Along in Ranger fault-line **untested large Radiometric Anomaly**  
**4.93 km in length by 1.61 km in width**



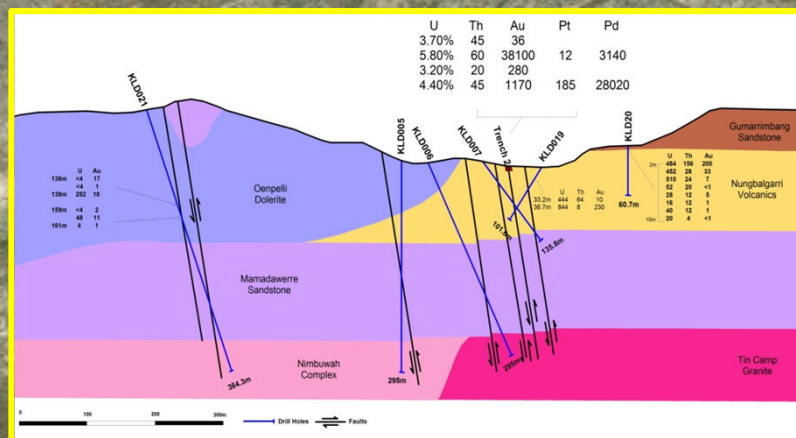


1,239 km<sup>2</sup> of highly prospective uranium gold, platinum and palladium ground located near the world class deposits of Ranger, Nabarlek, and Jabiluka Uranium Mines.

## 1A: Liverpool Projects - Uranium

### Devils Elbow Project

Historical drilling and trenching have produced 3.20% to 5.8% U and up to 38.1 g/t of Gold



Eclipse - Devils Elbow

Along in Ranger fault-line  
untested large Radiometric  
Anomaly 4.93 km in length by  
1.61 km in width



3 km

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## 1B: South Alligator Projects

### Eclipse Uranium Projects cont.

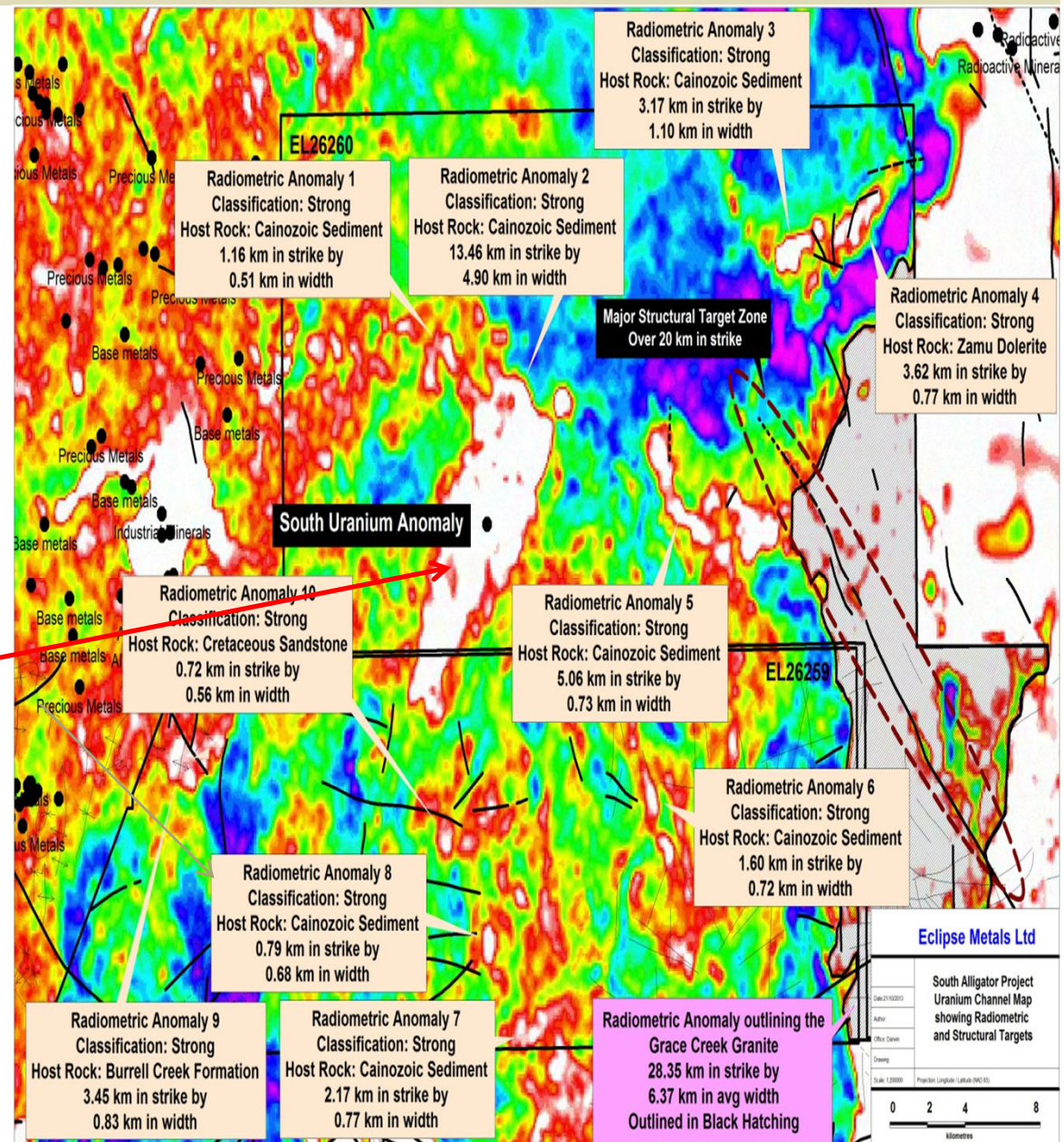
The two South Alligator Uranium Project tenements cover 1,541km<sup>2</sup> of highly prospective uranium ground where historical exploration has previously delineated uranium deposits.

Extensive moderate to strong radiometric anomalies have been defined within the project tenements. This area is considered to be a favourable environment to host vein-type deposits in which uranium minerals fill cracks, veins, fissures, pore spaces and breccia/stockwork, associated with steeply-dipping fault systems.

In the Edith River area uranium occurrences are related to steeply dipping north-northwest-trending shear zones within the greisenised Tennysons Leucogranite. Mineralisation also occurs in tension fracture systems on the margins of shear zones. Autunite and minor torbernite are the main uranium minerals.

The “South Anomaly” prospect located in the northern portion of the southern tenement occurs in a conglomerate unit in the Kombolgie Sandstone. The radon anomaly is believed to be sourced at depth, associated with a fractured anticlinal axis.

The Lambell Fault located in the east proportion of EL’s 26259 and 26260 represents a major structural target with the largest radiometric anomalies some 13km long by 5km wide.





## 2: North Arunta Project

### Eclipse Uranium Projects cont.



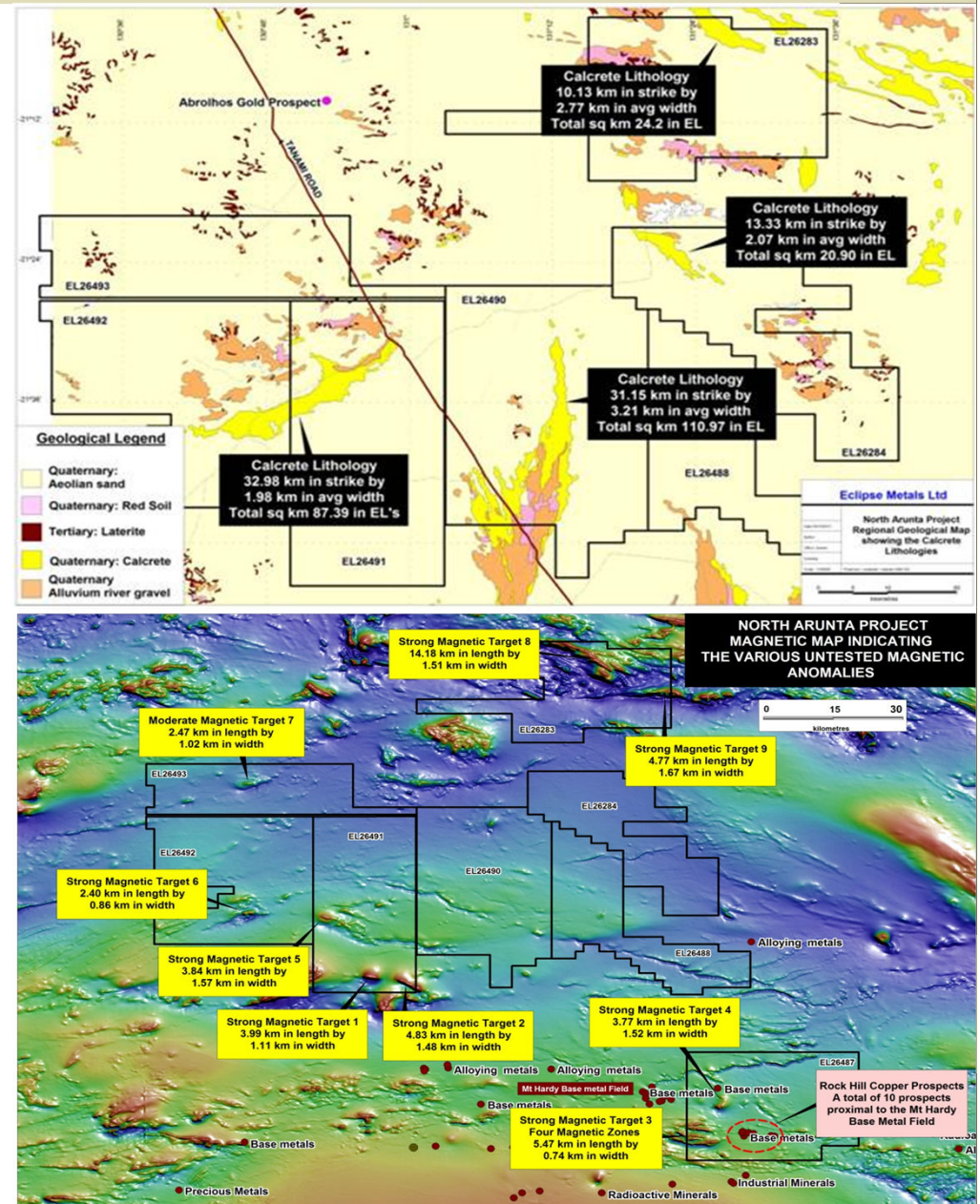
The North Arunta Uranium Project consists of 6,120km<sup>2</sup> of highly prospective uranium ground where historical exploration has delineated calcrete palaeochannels.

The project tenements host approximately 243km<sup>2</sup> of outcropping calcrete lithologies mapped by the Northern Territory Geological Survey – this calcrete remains untested for uranium.

Drilling target is shallow mineralisation associated with calcareous alluvium similar to the Napperby geological model deposit of **9.34 Mt @ 359 ppm U for 3,351 tonnes (7.39 Mlbs) of contained uranium**. The Napperby deposit is located approx 160 km southeast of the North Arunta ground.

Many significant magnetic anomalies remain untested to date – potential to host base metal mineralisation.

Finalisation of the Exploration Agreement between the Central Land Council and the company over EL26491, EL26492 and EL26493 is pending.





### 3: Eclipse Uranium Project

Eclipse Uranium Projects cont.

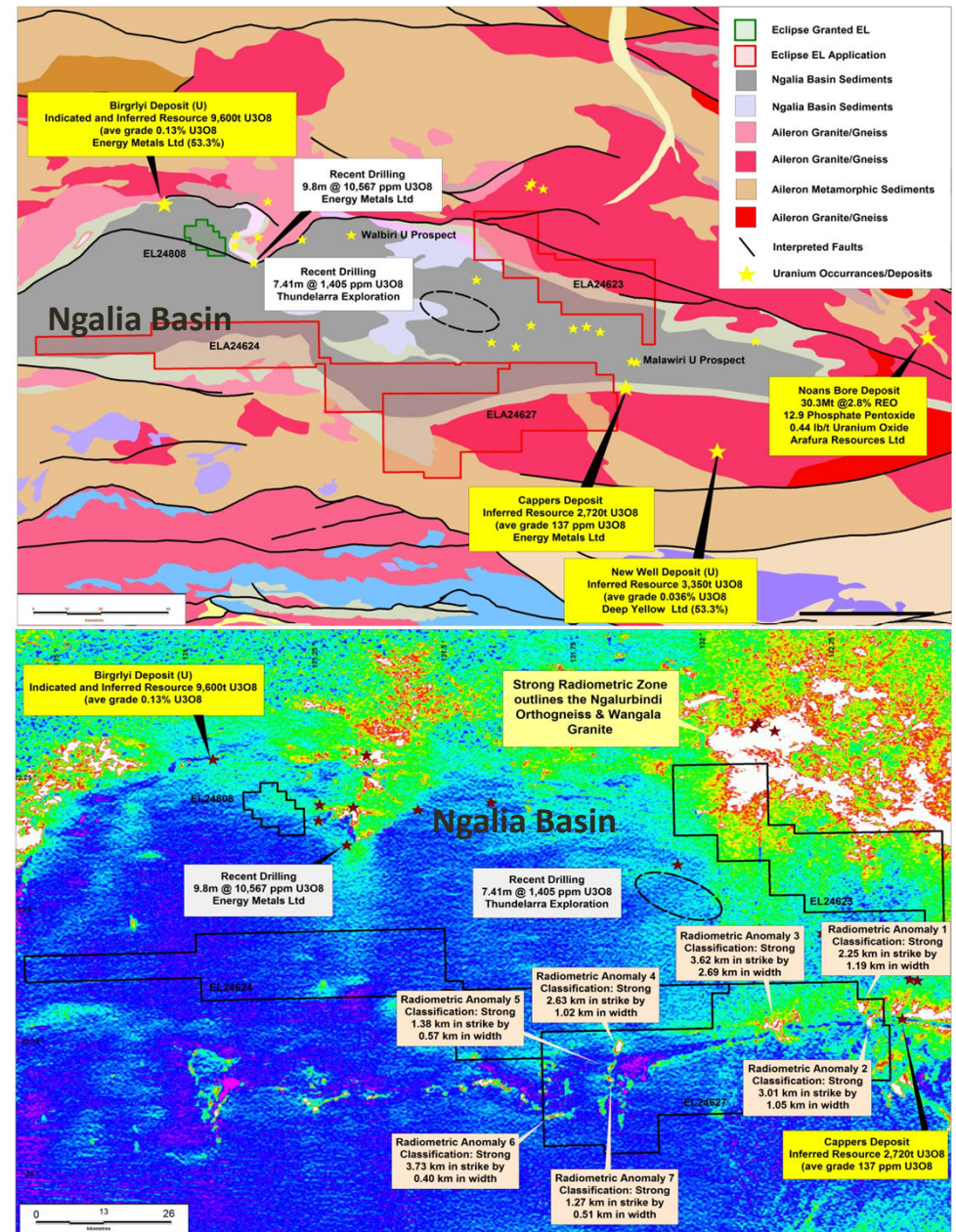
Eclipse Uranium Project located entirely within the Ngalia Basin, 300km west northwest of Alice Spring and is proximal to the Bigrlyi uranium project (9 km NW of Eclipse Uranium Project EL24808).

The Bigrlyi deposit consists of 15 separate prospects over a 14km strike length where exploration has indicated 12,240t of contained uranium.

The project area covers 3,993 km<sup>2</sup> of ground considered prospective for sandstone hosted Bigrlyi style uranium mineralisation.

There are several strong radiometric targets with the largest hosting a 3.62km long by 2.69km wide anomaly similar to that on the Cappers Deposit (Inferred Resource **3,200t of U<sub>3</sub>O<sub>8</sub>**, averaging 145 ppm U) 3.6 km to the east from the ELA24627 eastern tenement boundary.

The first Native Title Meetings between Eclipse Metals Ltd and the Traditional owners are scheduled for 19th and 20th August 2014 over ELA 24624 and ELA 24627. The purpose of the meeting is to seek approval for uranium exploration.



# Exciting Future



## INVESTMENT POTENTIALS



**18,405 km<sup>2</sup> highly prospective exploration ground  
in the Northern Territory, Queensland and NSW.**

**Eclipse Metals Ltd has a multi-commodity portfolio including Iron,  
Manganese, Uranium, Gold, Base metals and Bauxite.**



- Recent board restructure has seen the appointment of four new officers:

Executive Director: Mr Pedro Kastellorizos  
(Geologist with over 18 years experience –  
exploration, mining and corporate)

Non Executive Director: Mr Rod Dale  
(Geologist with over 50 years experience)

Non Executive Director Mr Justin Barton  
(Financial & Investment Specialist)

Mrs Eryn Kestle as Company Sec with  
extensive knowledge of companies'  
secretarial requirements, and corporate  
governance issues.

- Renewed investor and JV partner interest in Eclipse uranium, gold, manganese and iron projects
- Heightened positive media interest in Eclipse Metals Limited and its prospective tenements ;

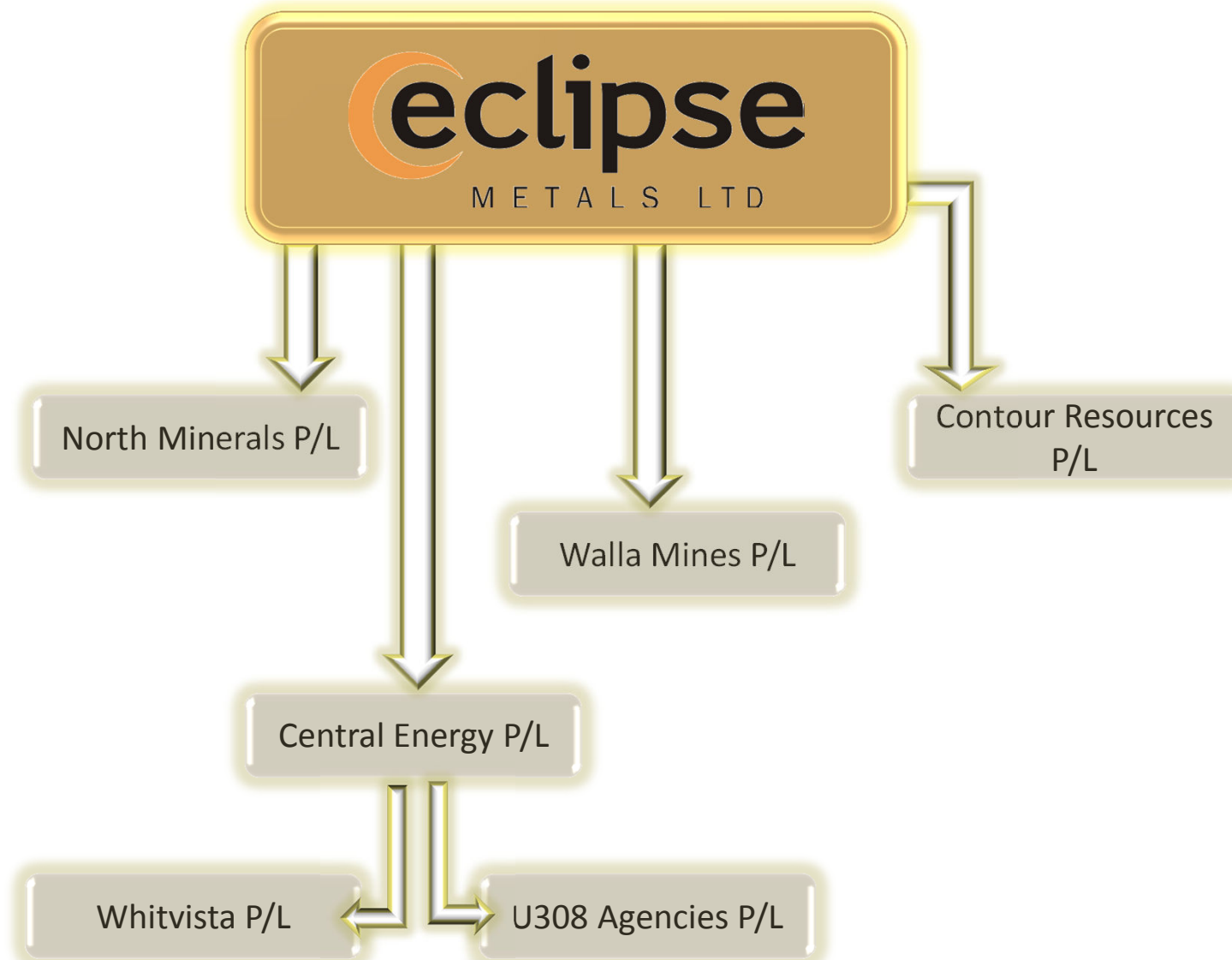
[Media Articles](#)

[www.eclipsemetals.com.au](http://www.eclipsemetals.com.au)

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.



# Group Structure - Subsidiary Entities



## Experts to assess Mary Valley manganese mine potential

By Jo Skinner

Posted Wed 4 Dec 2013, 10:16am AEDT

**Gympie MP David Gibson says any future mining in the region must be outside the footprint of the defunct Traveston Crossing dam project.**

Eclipse Metals will send a team of geologists to the Mary Valley early next year to assess the viability of a manganese mine.

However, Mr Gibson says the exploration permits are well outside the restricted area.

"The footprints for the exploration permits are outside of the restricted area," he said.

"No exploration permits are permitted within the old Traveston dam proposal area and as such no exploration can occur in that restricted area, so this is well outside of that."

Mr Gibson says a potential manganese mine is still a long way from fruition.

He says it is far too early to get excited about the economic benefits of such a project.

"Look, I think it's very early days and exploration permits were issued back in 2009/2010, so the permits have been in place for quite a few years now," he said.

"The company has, as a result of the desktop study, decided to progress it but I think it's some time away before we can confidently say that this would be good news for the Mary Valley."

**Topics:** mining-industry, states-and-territories, gympie-4570, bundaberg-4670, maroochy-dore-4558

## Mary Valley line is a plus for mining plans

29th Nov 2013 6:00 AM

Mary Valley

THE rediscovery of manganese in the Mary Valley could be another massive boon for the local economy and the Mary Valley Rattler, with Australian mining company Eclipse Metals expressing keen interest in the fact that a train track runs through the middle of their proposed exploration field.

## Mining in the Valley: Exploration to start in 2014

28th Nov 2013 6:00 AM

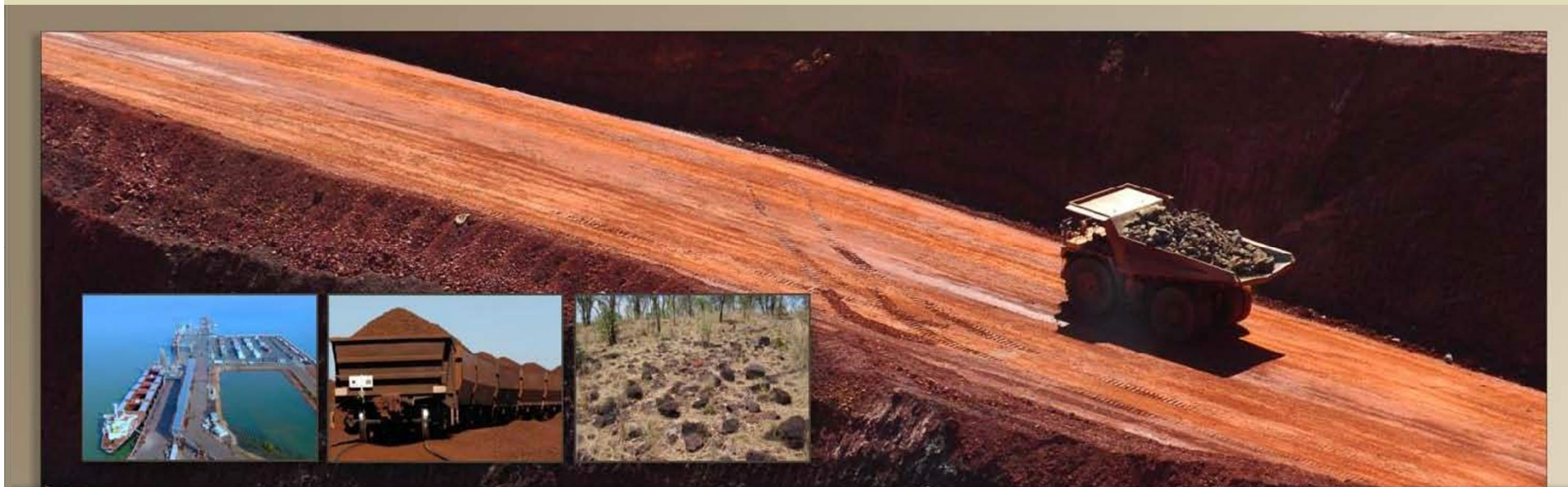
AUSTRALIAN mining company Eclipse Metals is poised to renew explorations in the Mary Valley which could lead to the reopening of old manganese mines that yielded more than 32,700 high-grade tonnes of the ore last century.

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[www.eclipsemetals.com.au](http://www.eclipsemetals.com.au)



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