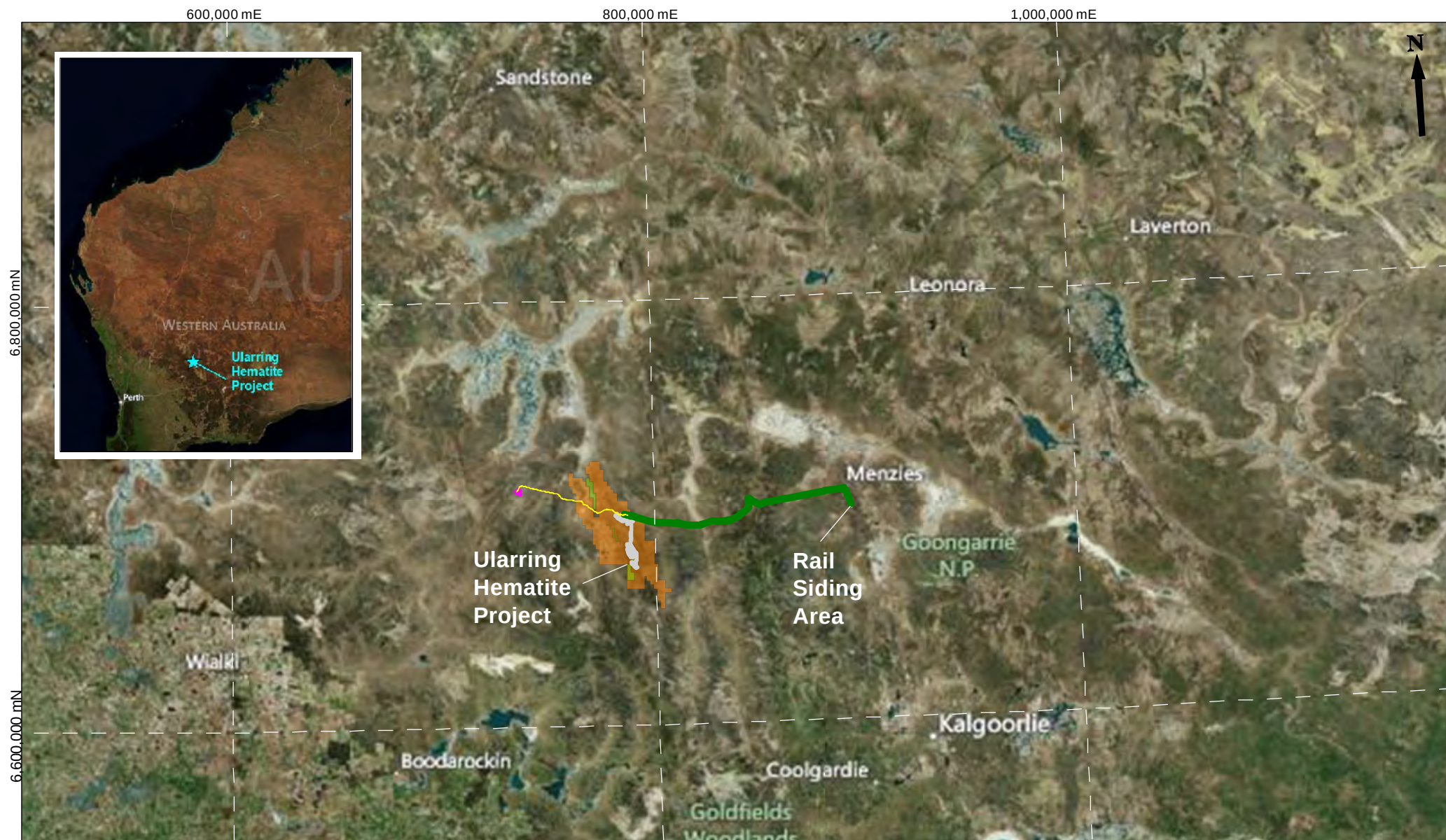




**LEGEND:**



MMS - Live Mineral  
Tenements



MMS - Pending Mineral  
Tenements

**Ularring Hematite Project**



Project Development  
Area



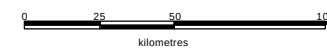
Pipeline  
Corridor



Proposed  
Borefield



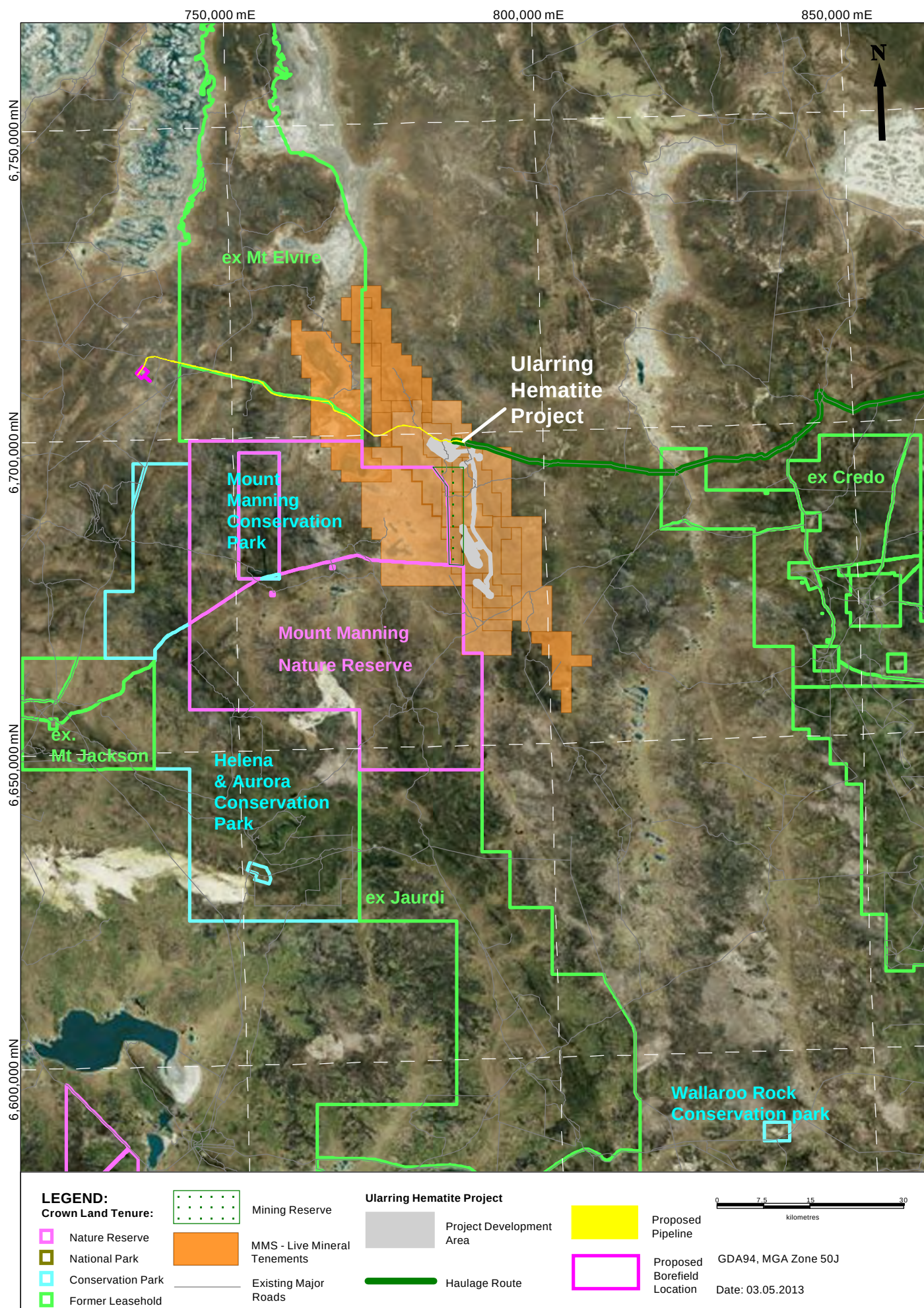
Haulage  
Route



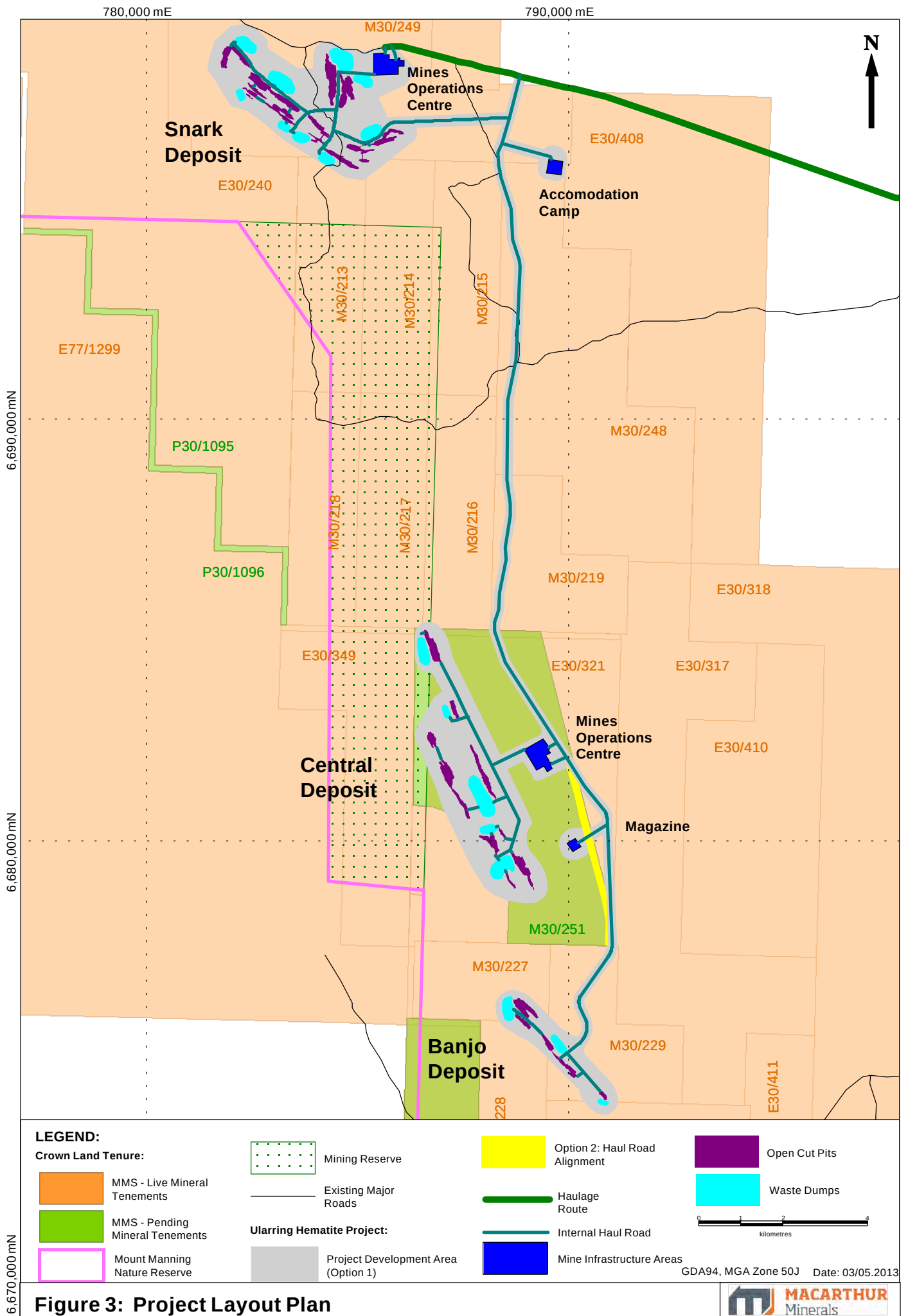
GDA94, MGA Zone 50J Date: 03.05.2013

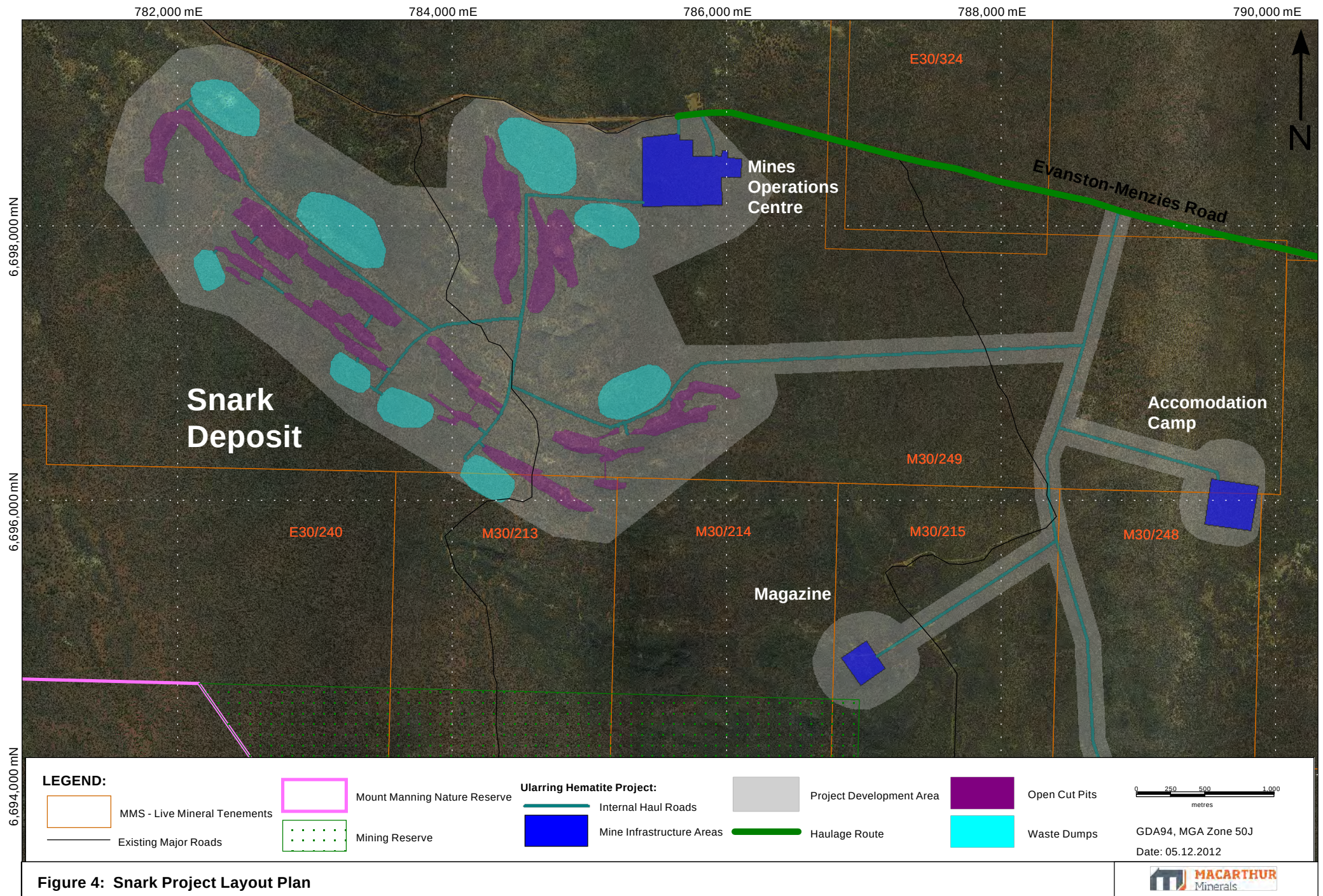
**Figure 1: Regional Location Map**





**Figure 2: Local Project Setting**







**Figure 5: Central Area Layout Plan**



**Figure 6: Banjo Area Layout Plan**



**LEGEND:**



Treppo Grande Pty Ltd  
Live Mineral Tenement

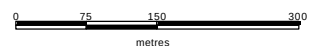
**Ularring Hematite Project:**



Rail Siding Development Area

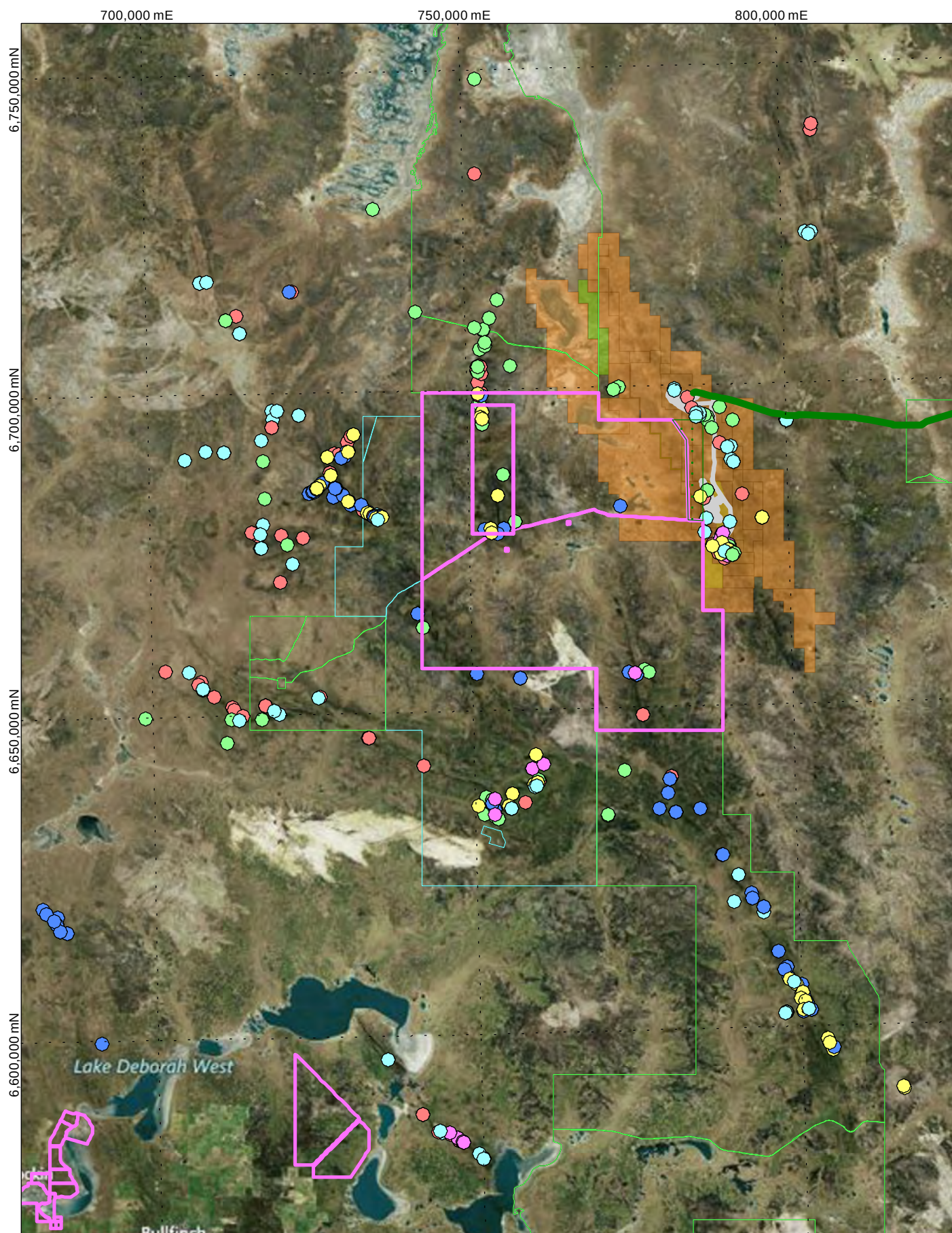


Haulage Route



GDA94, MGA Zone 50J Date: 05.12.2012

**Figure 7: Rail Siding Area Layout Plan**



# LEGEND:

## Crown Land Tenure:

- Nature Reserve
- Conservation Park
- Former Leasehold



MMS - Live Mineral Tenements



MMS - Pending Mineral Tenements

## Priority Flora Records:

- Banksia arborea
- Grevillea erectiloba
- Grevillea georgeana
- Hibbertia lepidocalyx subsp. tuberculata
- Mirbelia ferricola
- Spartothamnella sp. Helena & Aurora Range

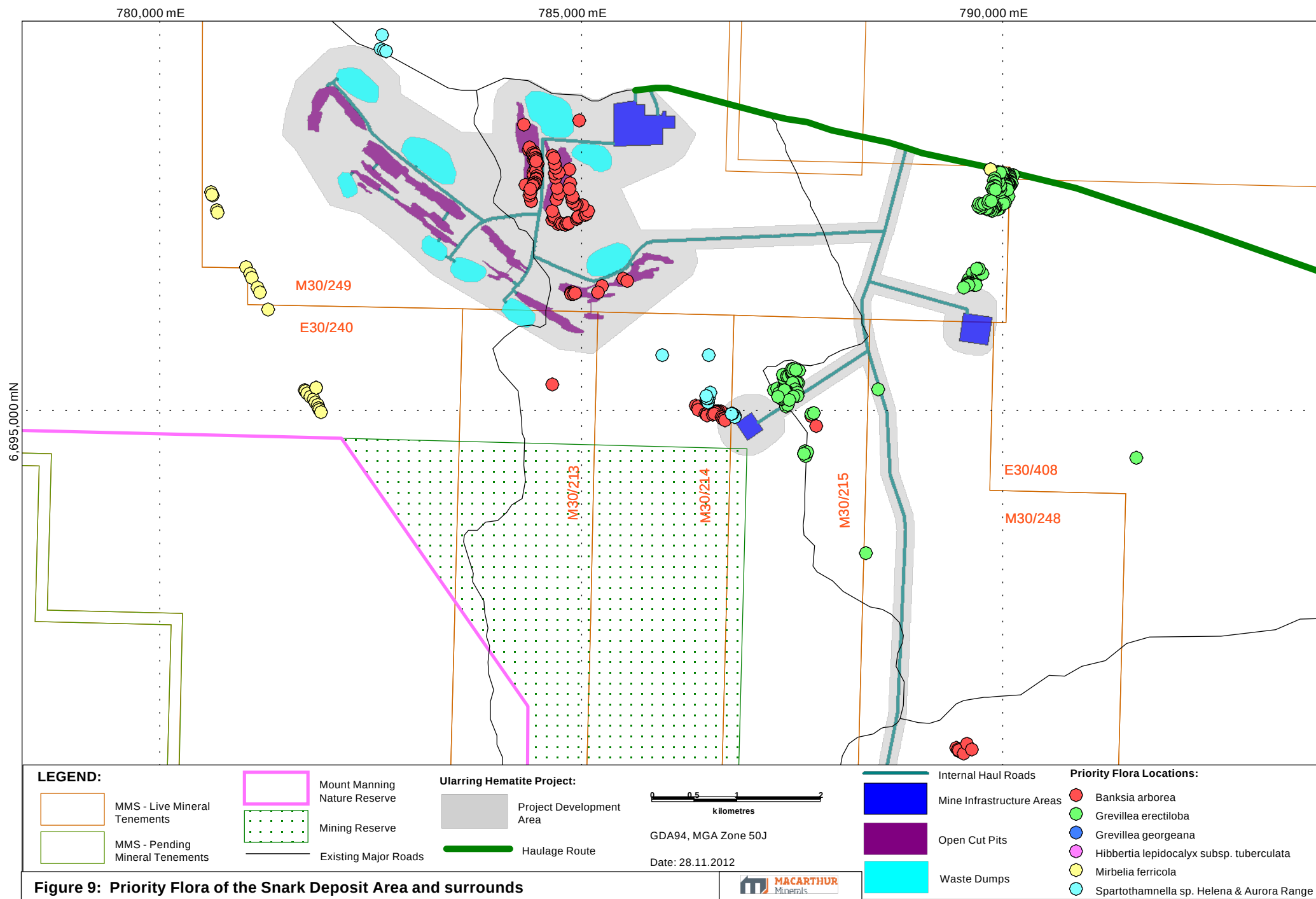


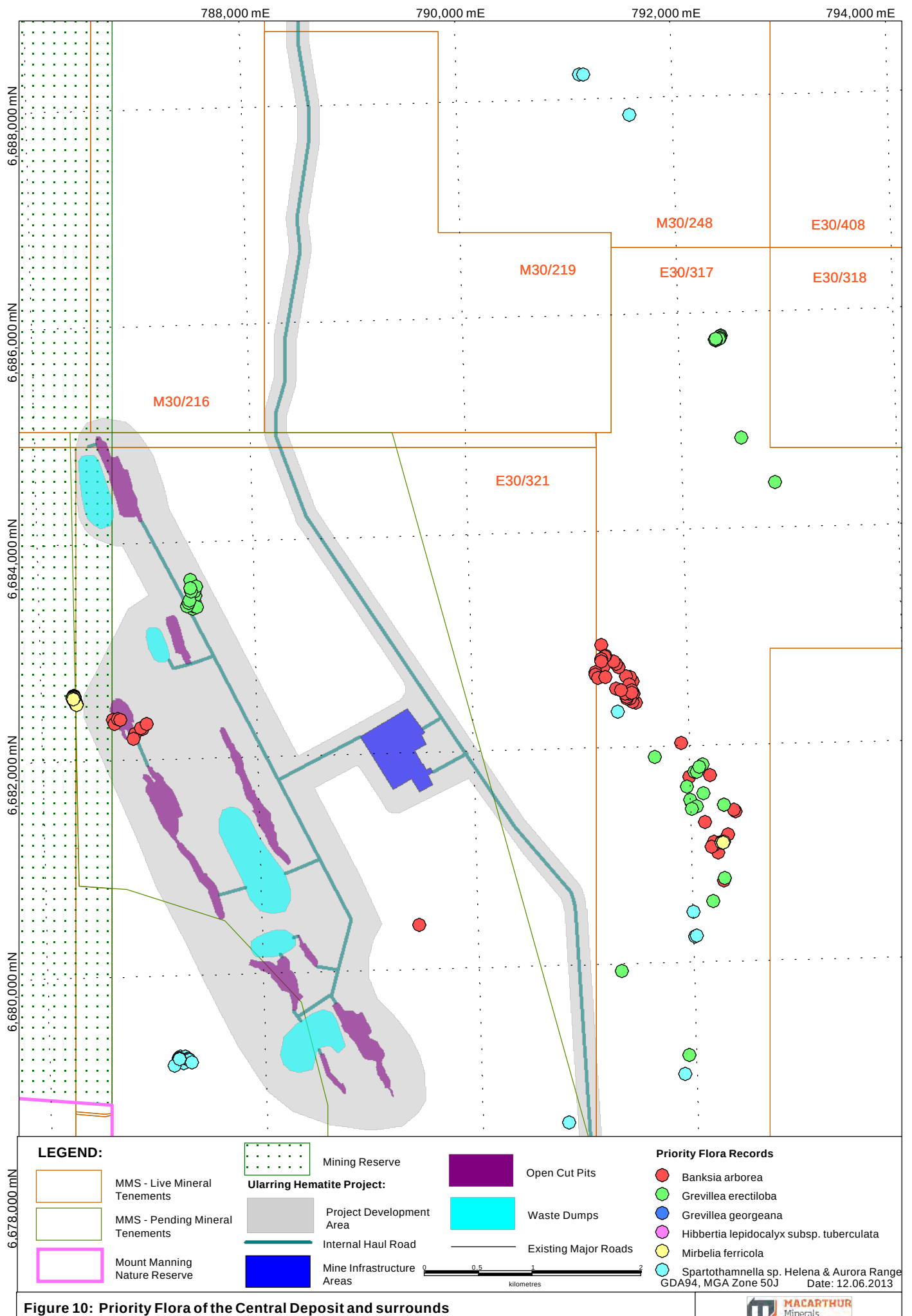
GDA94

MGA Zone 50J

Date: 12.06.2013

**Figure 8: Regional Priority Flora Records**





**Figure 10: Priority Flora of the Central Deposit and surrounds**

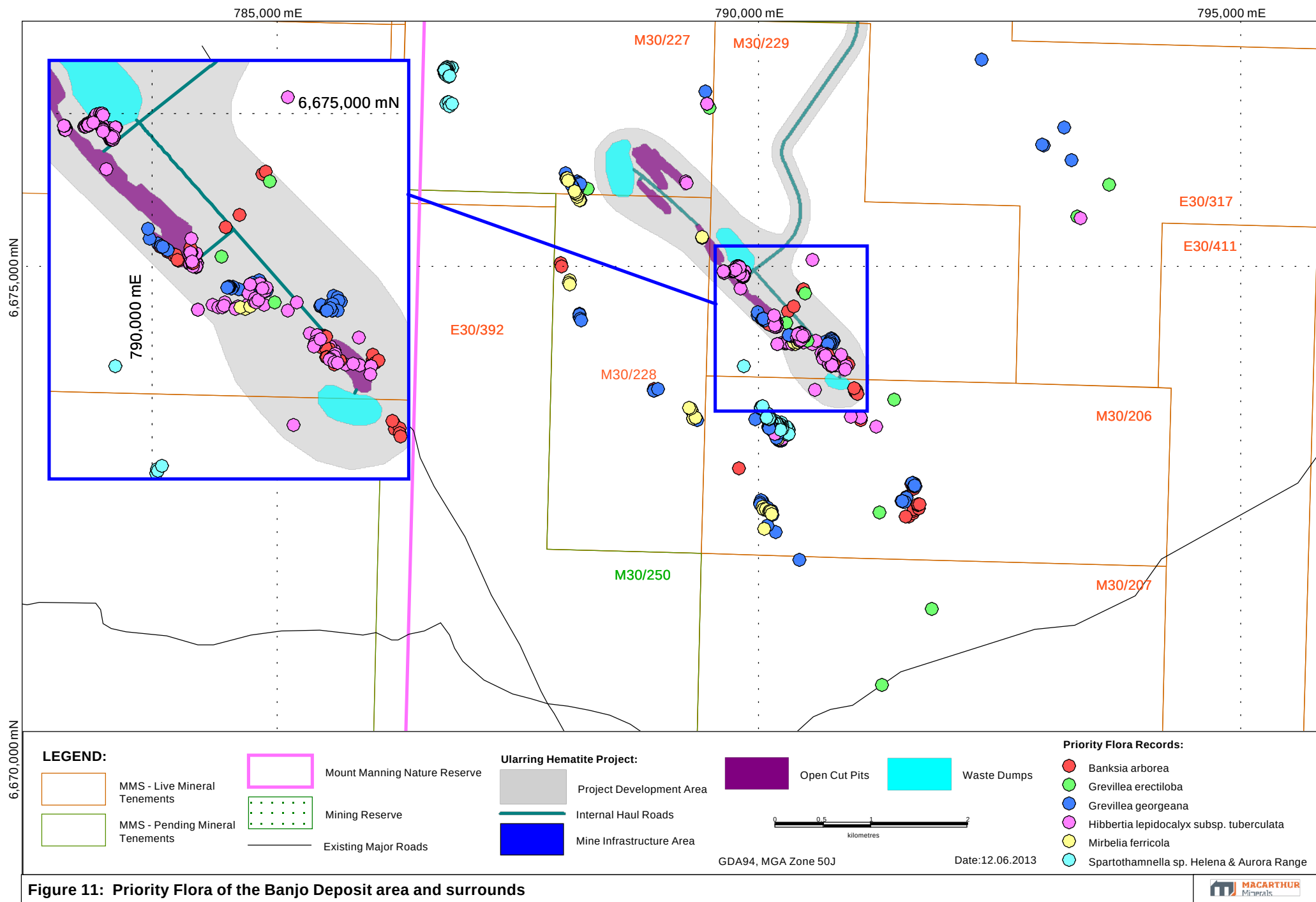
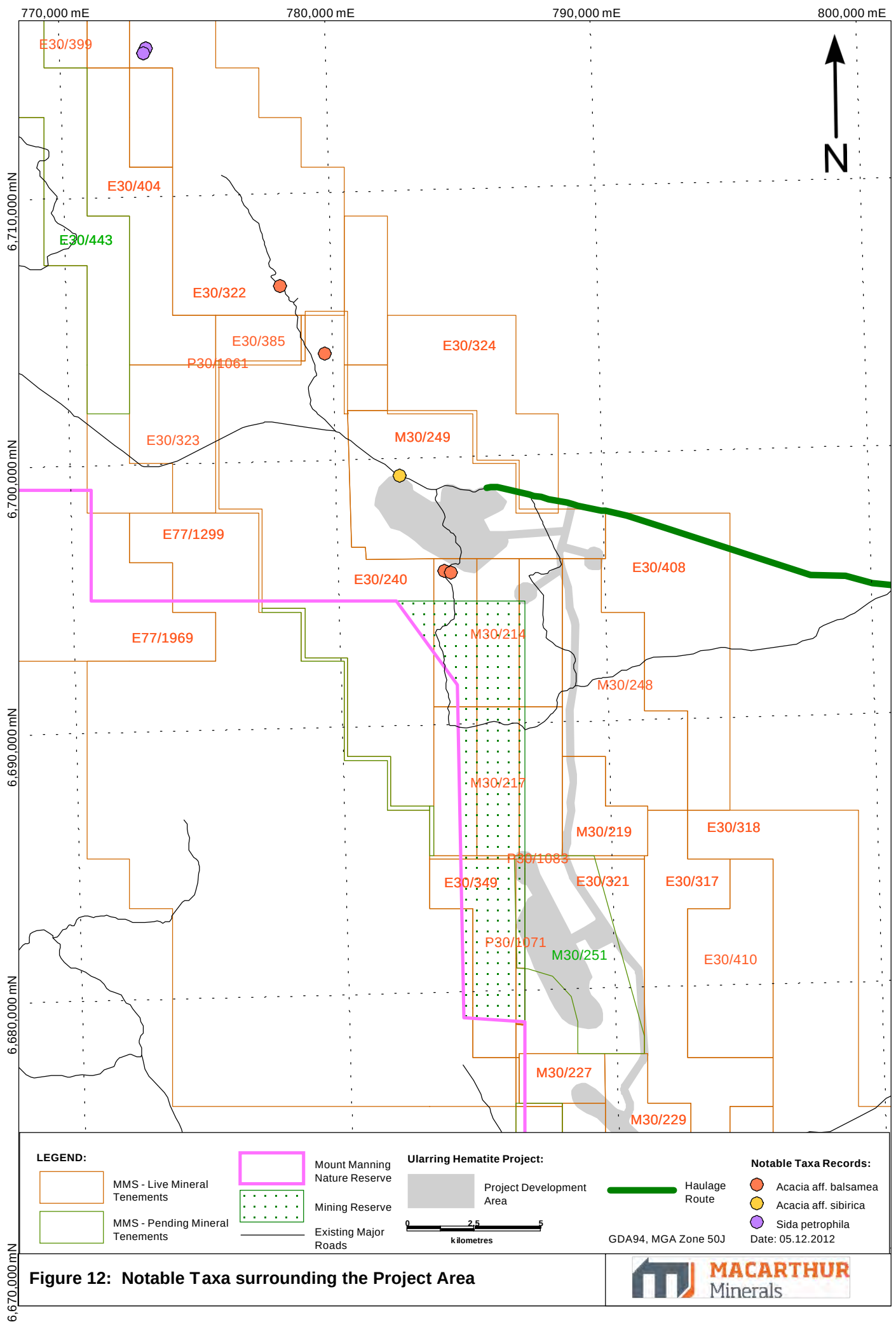


Figure 11: Priority Flora of the Banjo Deposit area and surrounds





**Figure 13: Regional Notable Taxa Records**



**LEGEND:**



MMS - Live Mineral Tenements



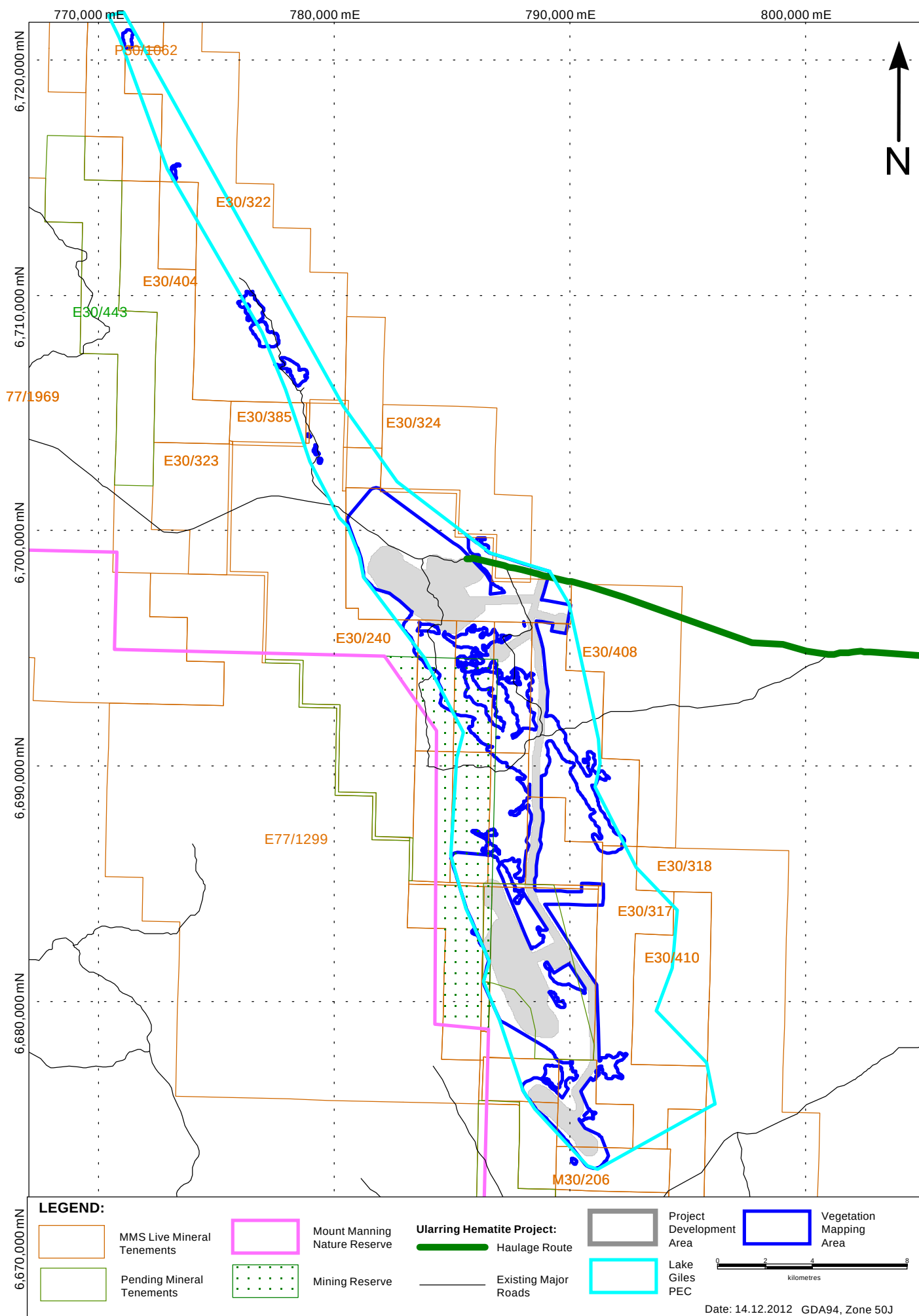
Ularring Hematite Project  
Haulage Route

**Notable Taxa Records:**

-  *Acacia aff. balsamea*
-  *Acacia aff. sibirica*
-  *Sida petrophila*



GDA94, MGA Zone 50J  
Date: 28.11.2012



**Figure 14: Extent of Vegetation Mapping of the Project Area**

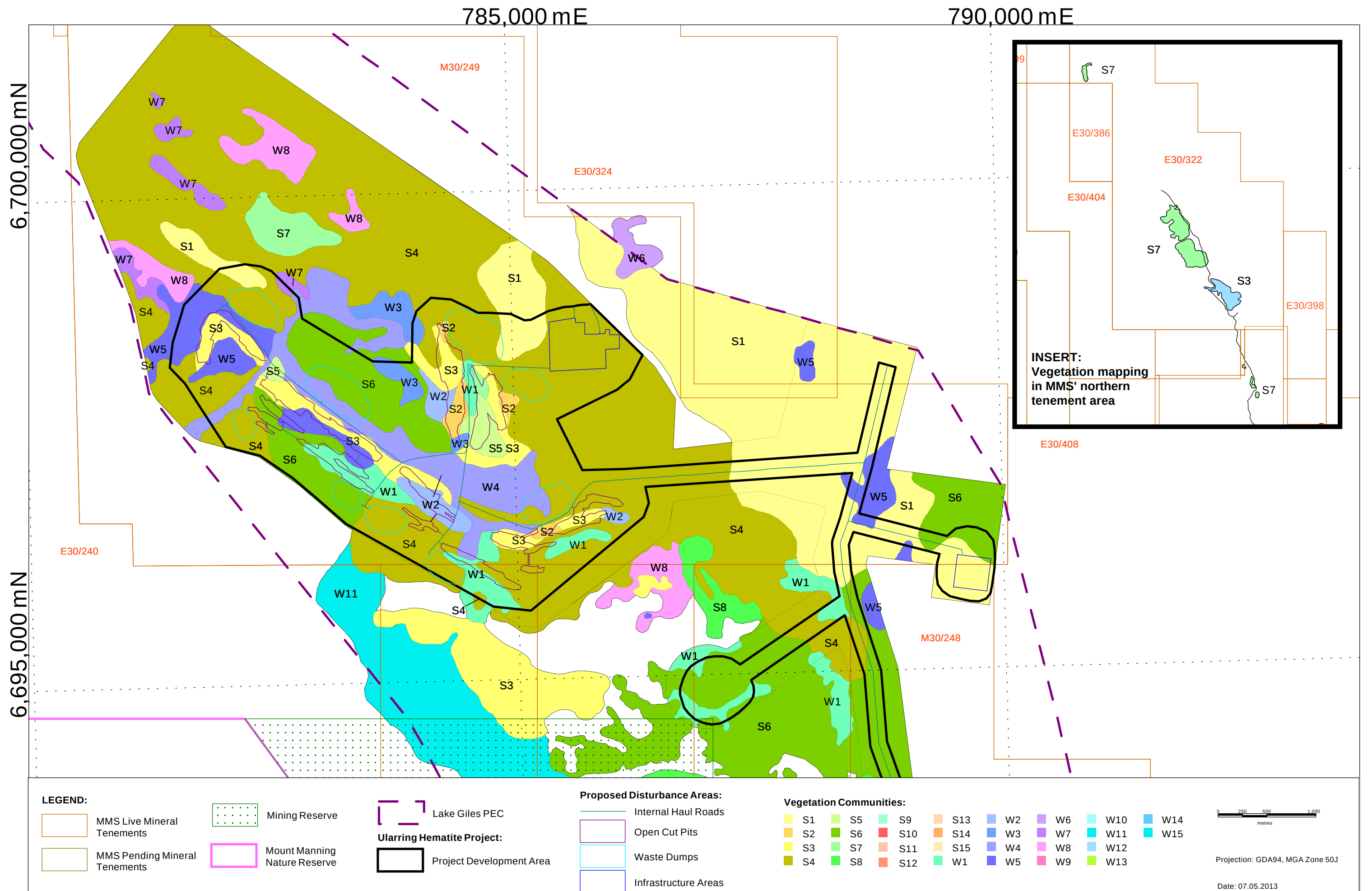


Figure 15: Vegetation mapping of the Snark area and surrounds

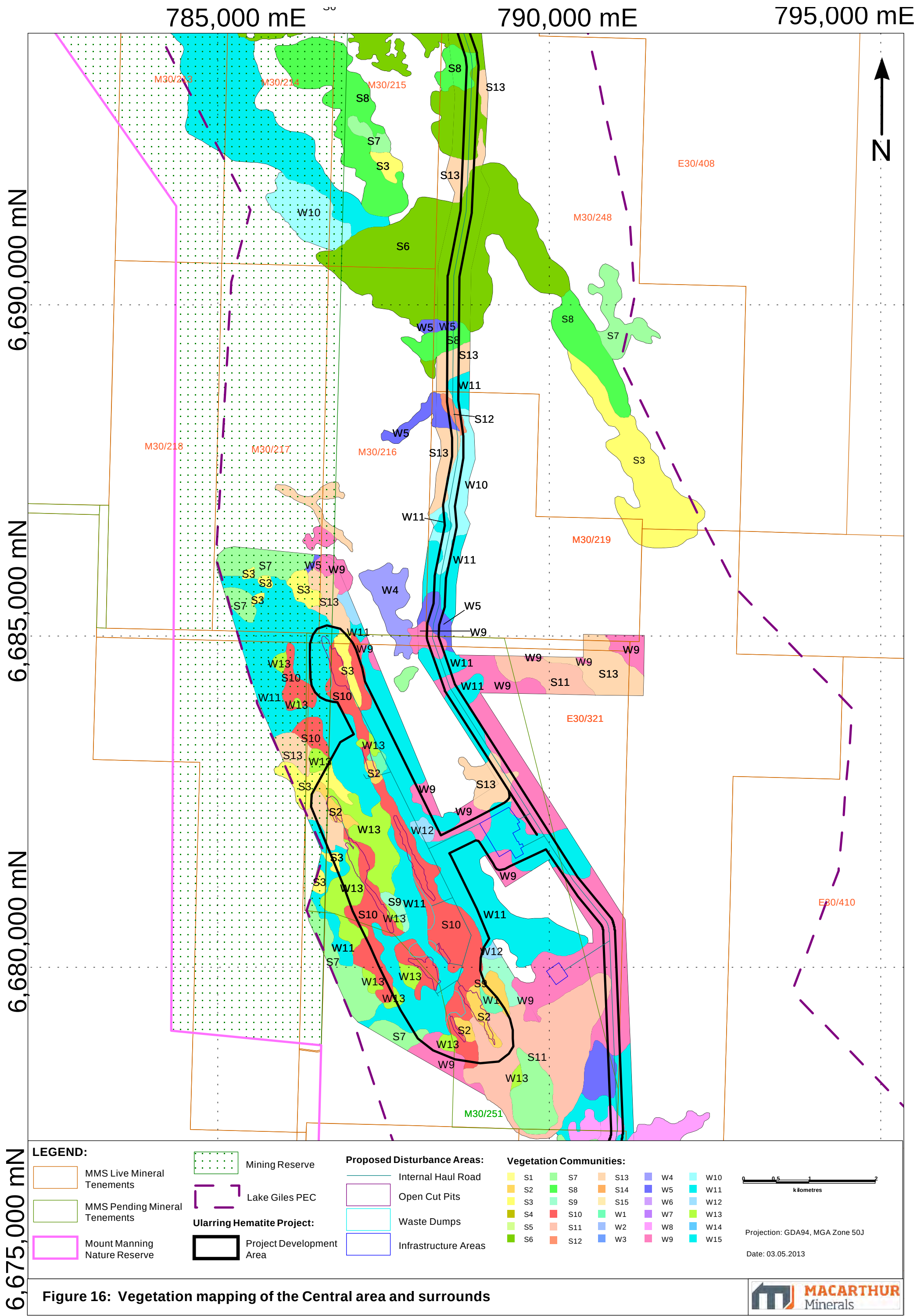
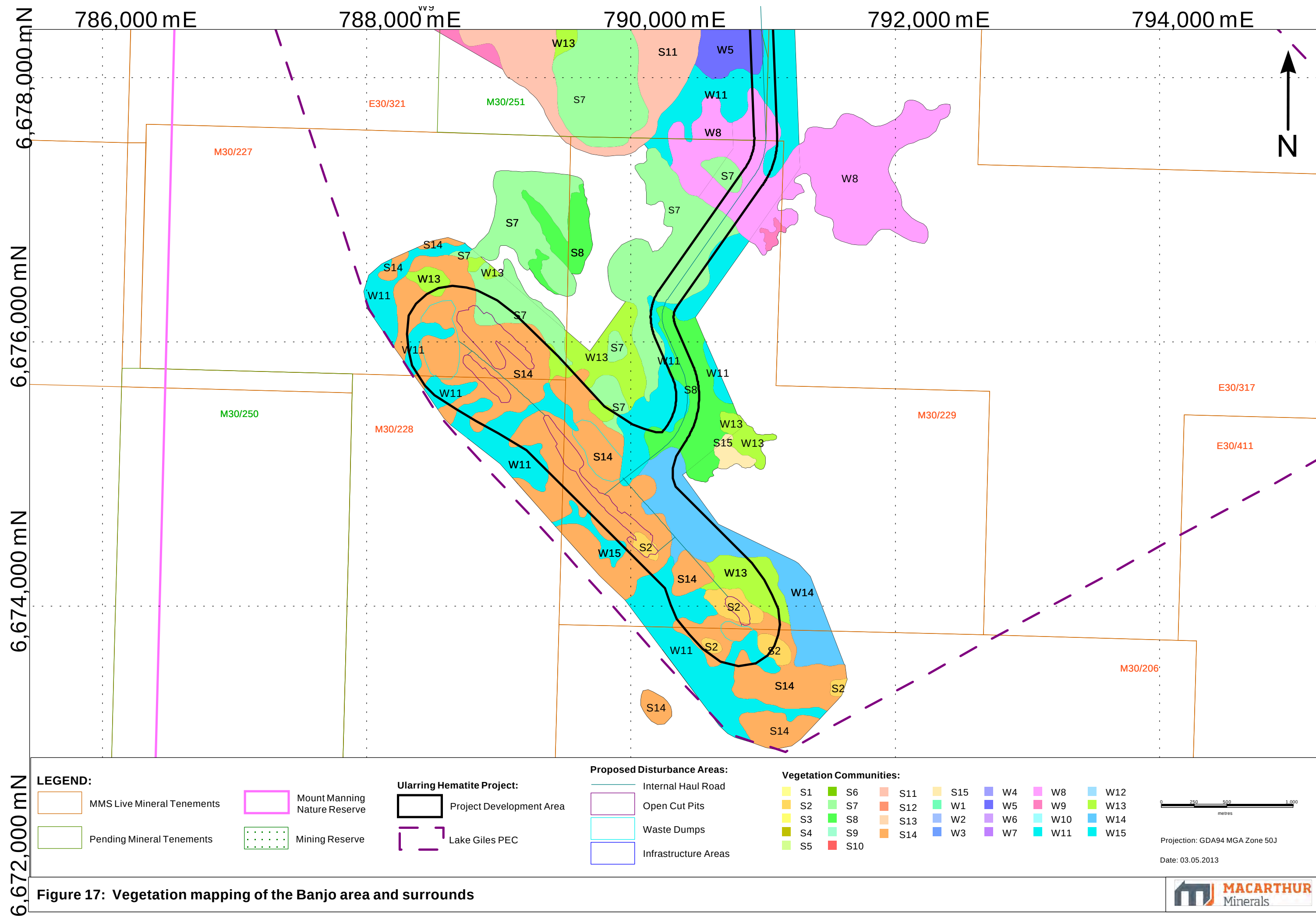
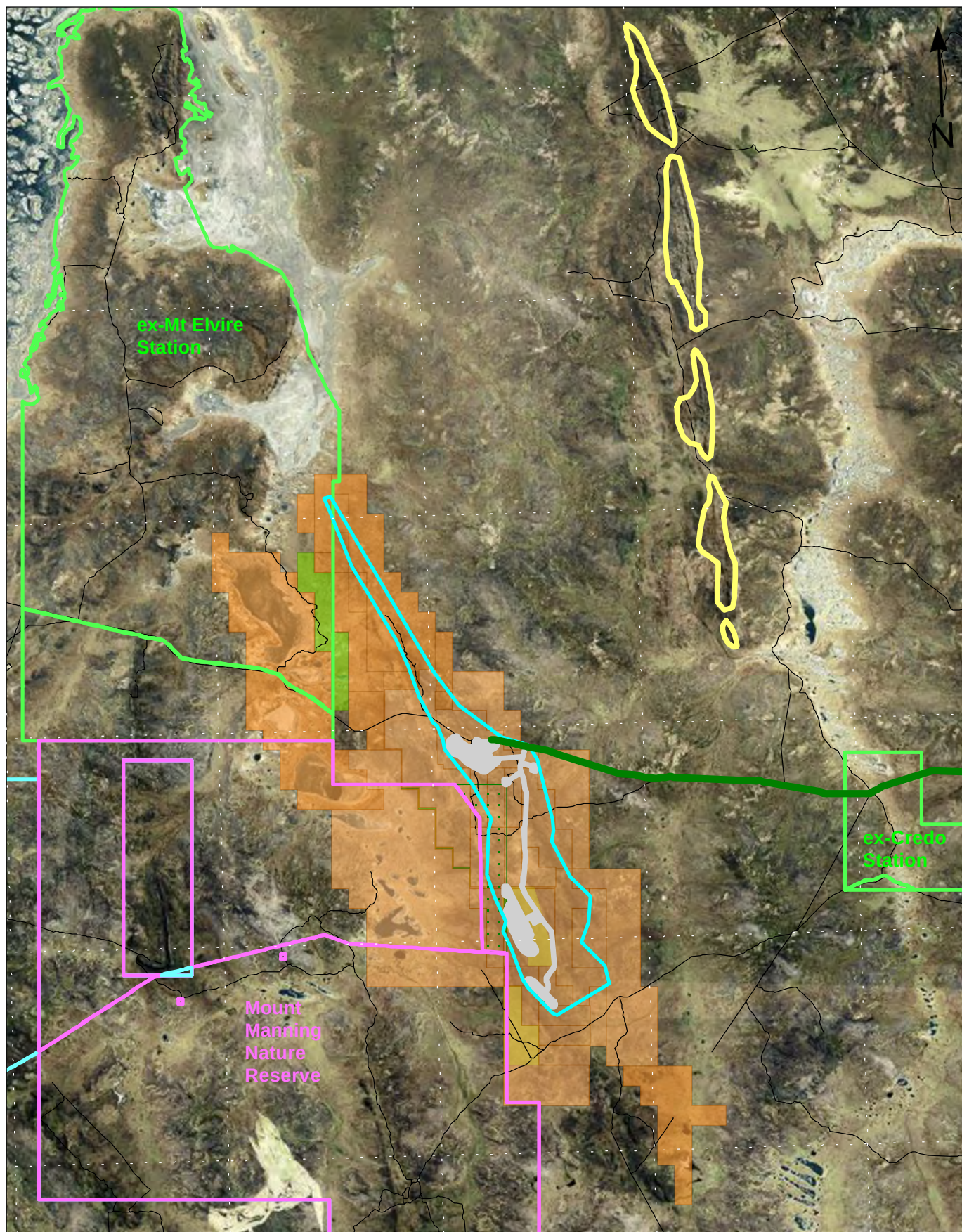


Figure 16: Vegetation mapping of the Central area and surrounds





#### LEGEND:

Mining Reserve

#### DEC Managed Lands:

Conservation Park

Former Leasehold

Nature Reserve

MMS - Live Mineral Tenements

MMS - Pending Mineral Tenements

Major Existing Roads

#### Ularring Hematite Project:

Project Development Area

Haulage Route

0 5 10 20  
kilometres

#### Priority Ecological Communities:

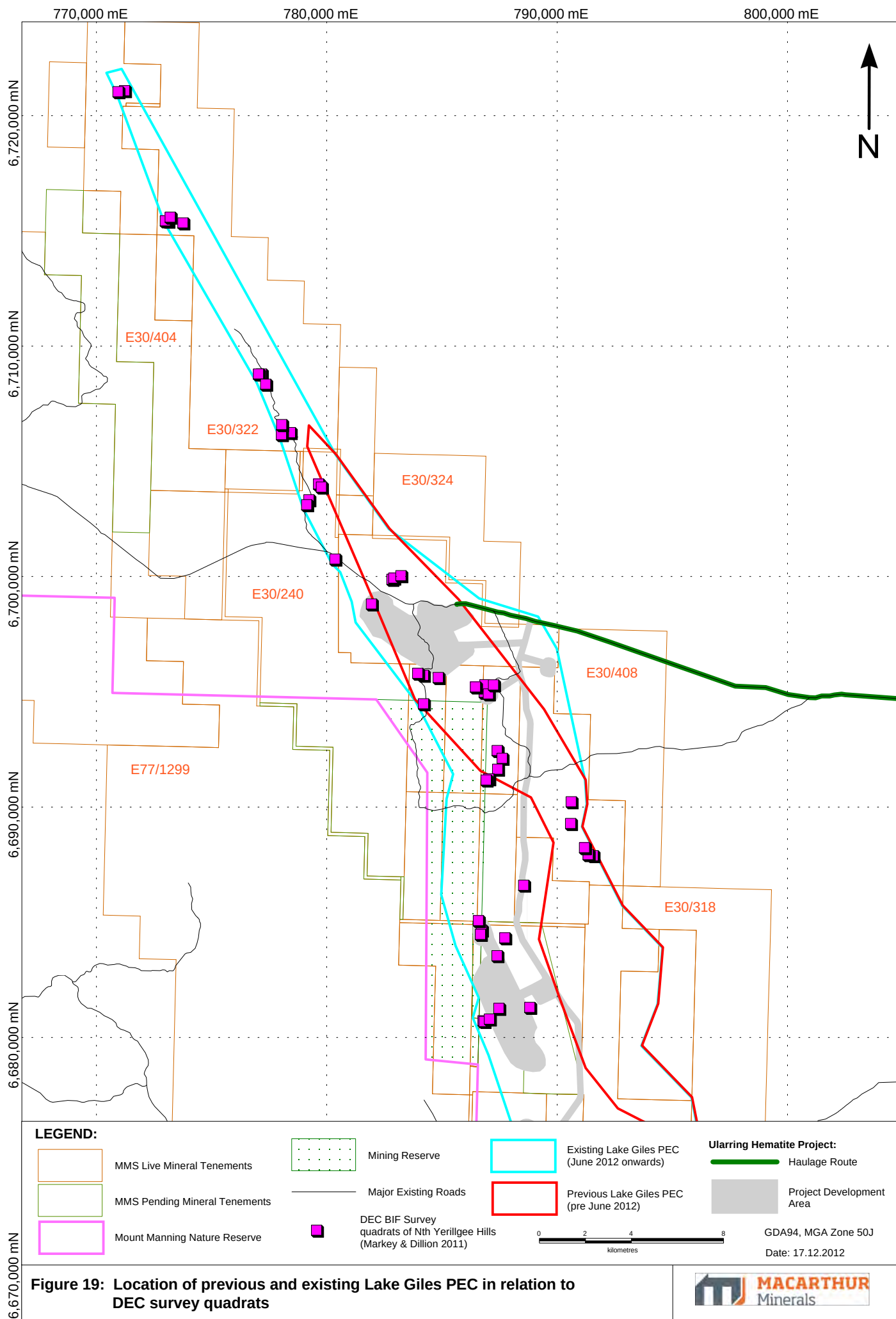
Banksia arborea on BIF

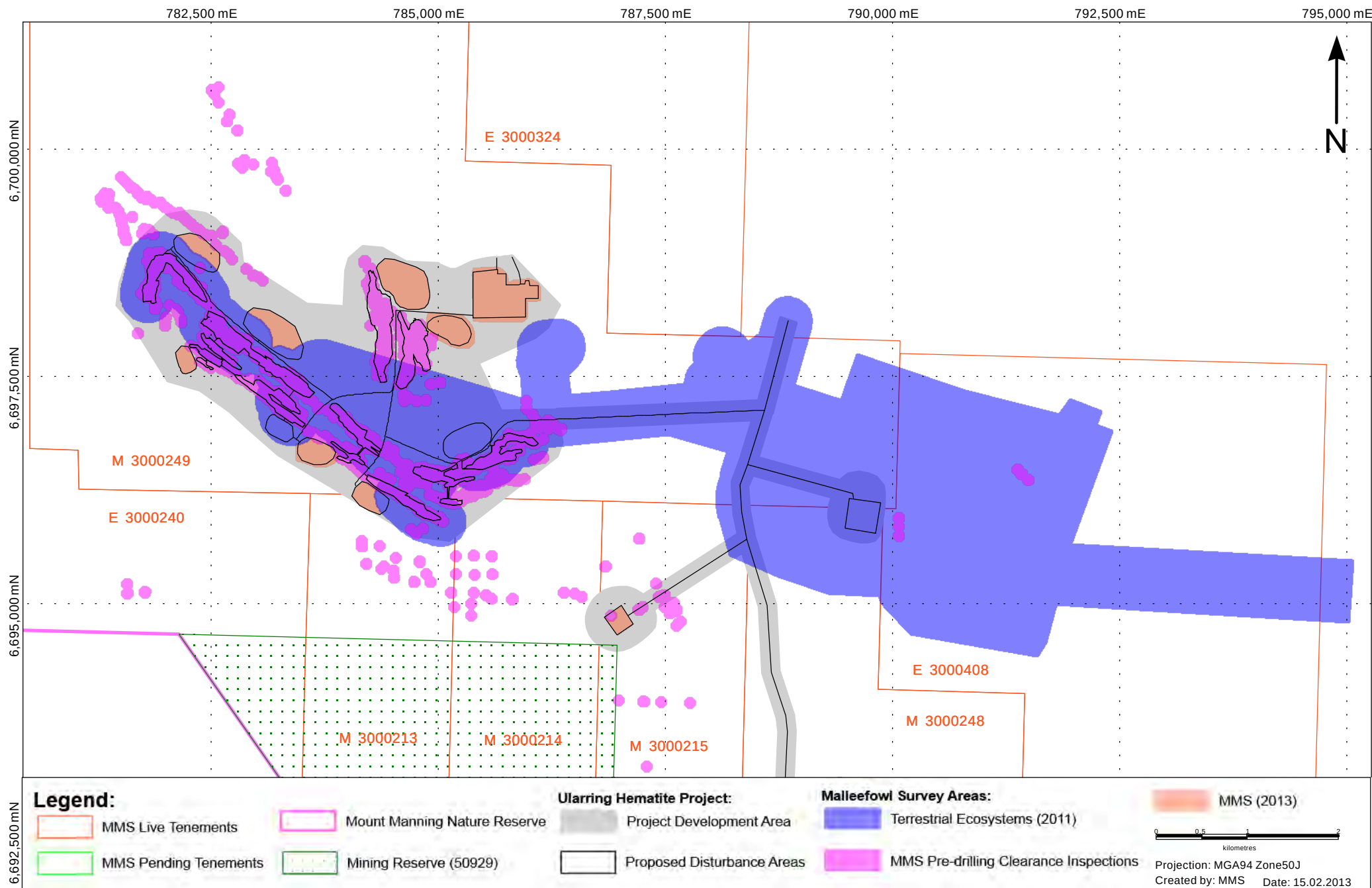
Lake Giles

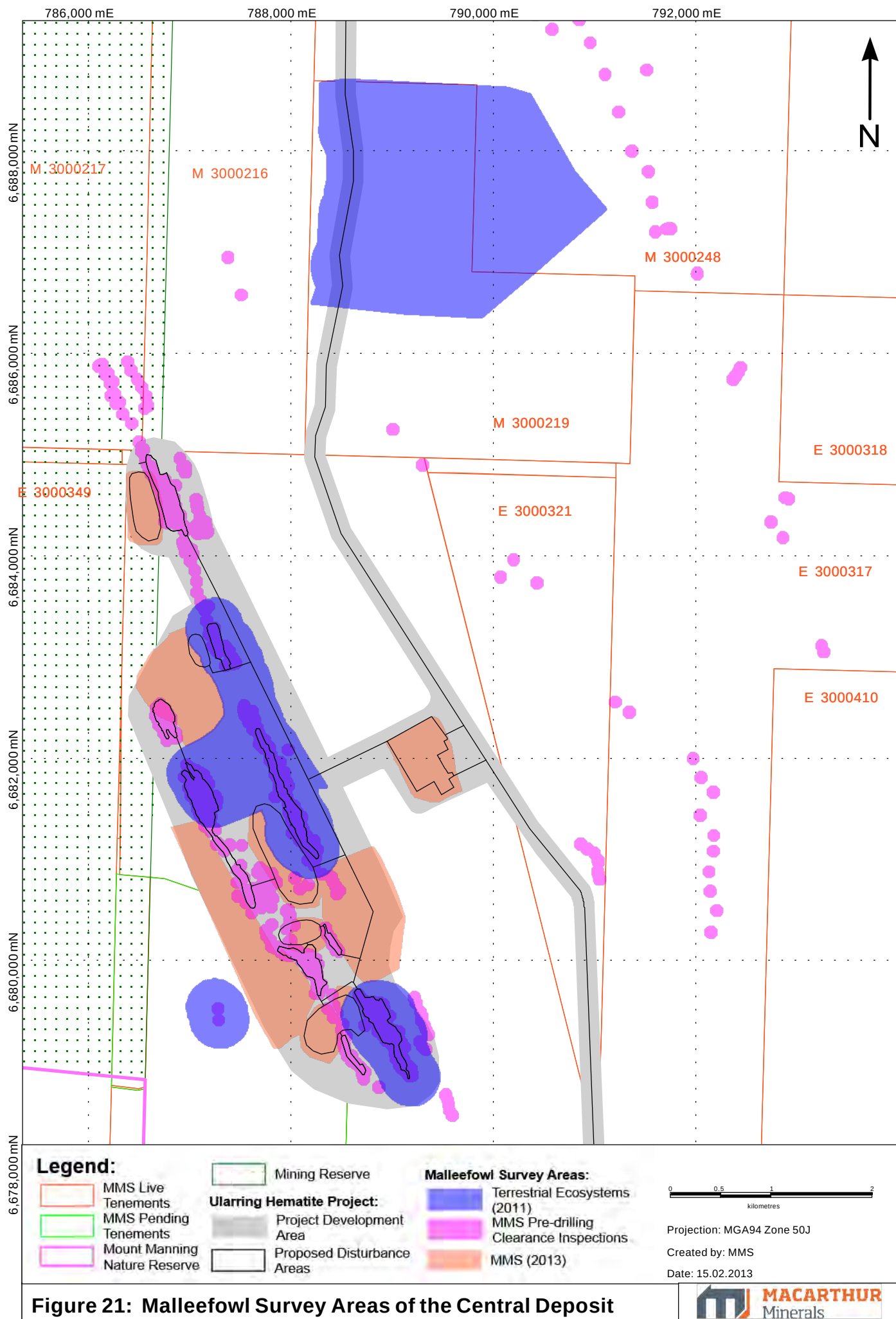
GDA94, MGA Zone 50J

Date: 06.12.2012

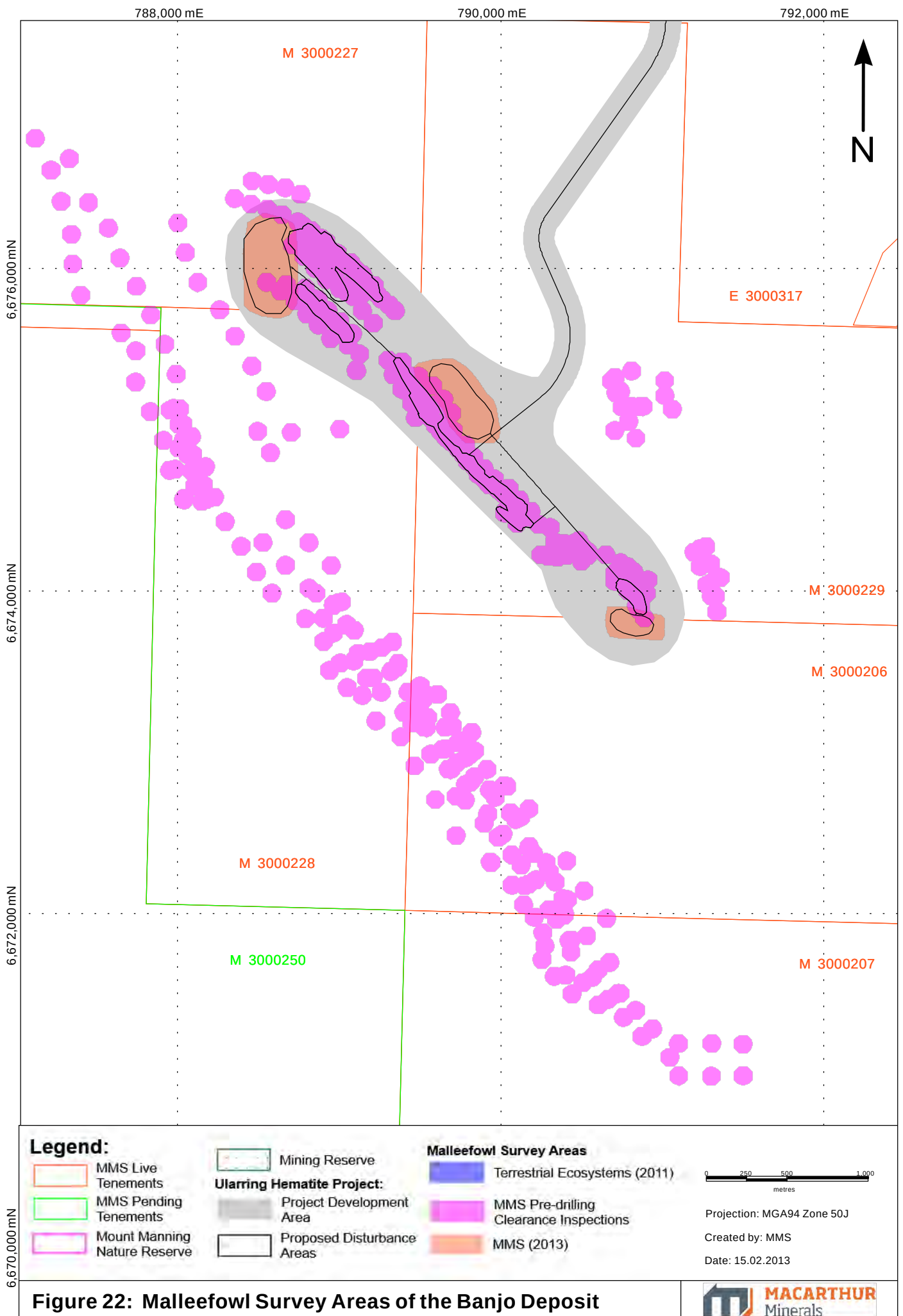
**Figure 18: Priority Ecological Communities in relation to the Project**



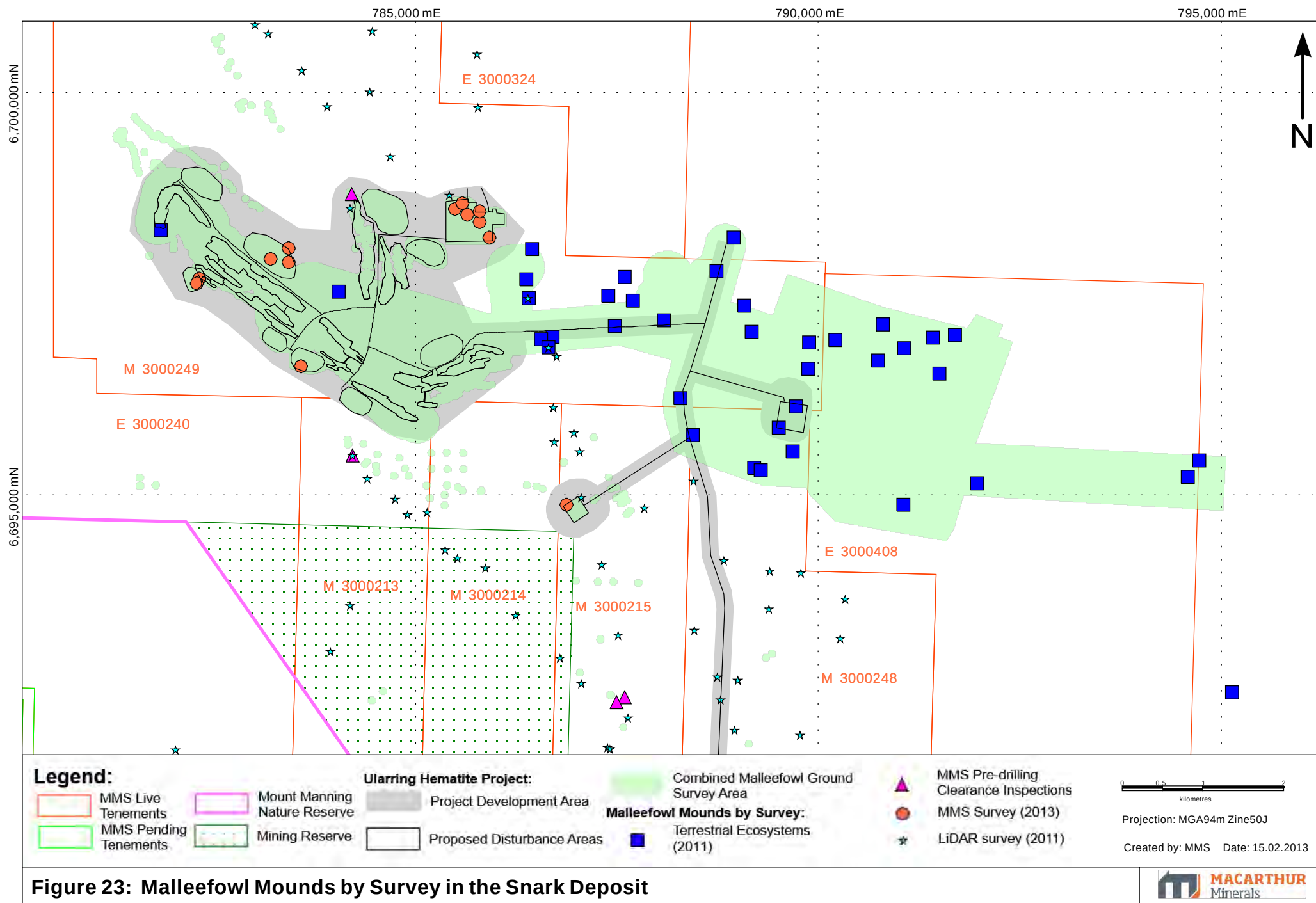


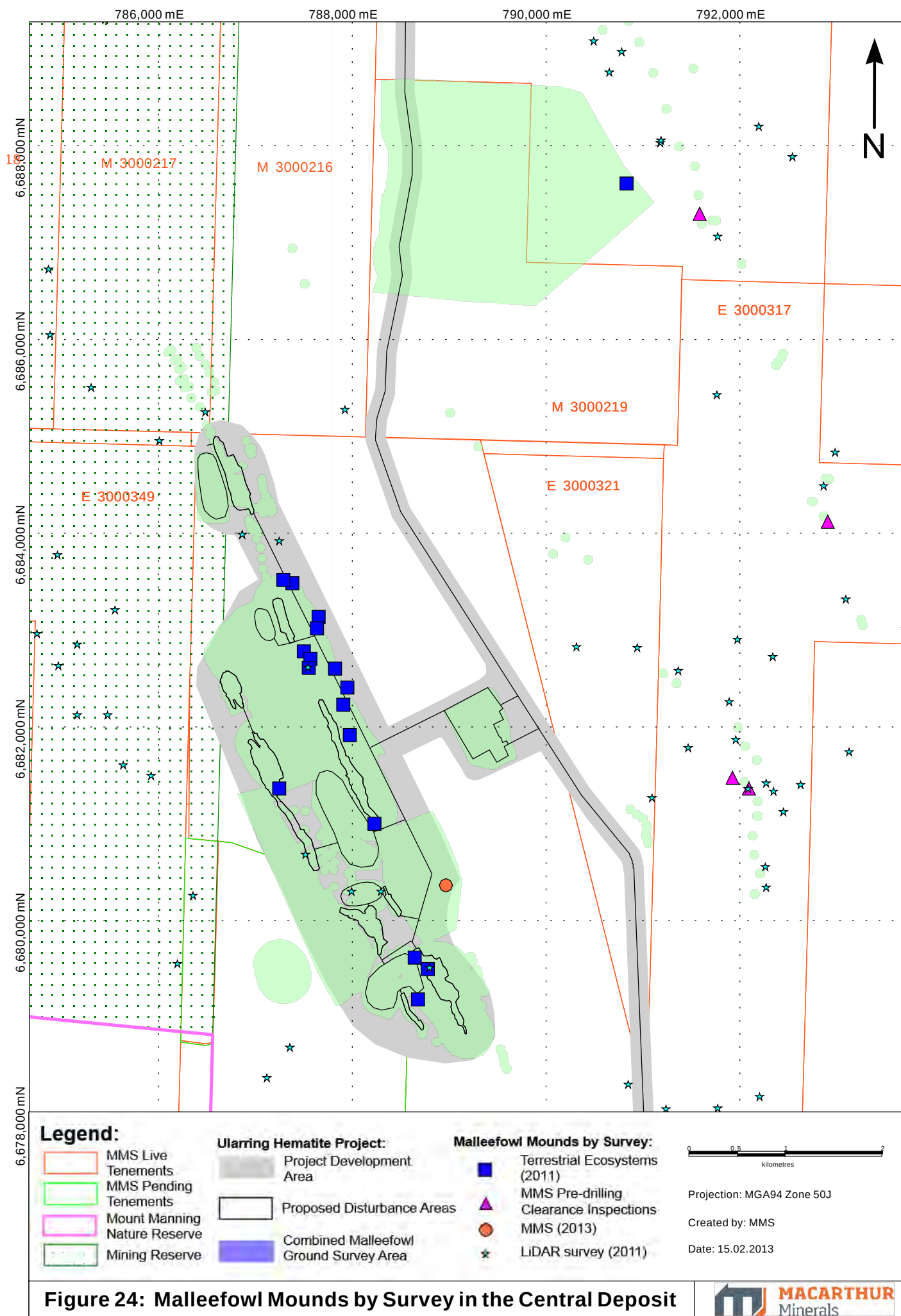


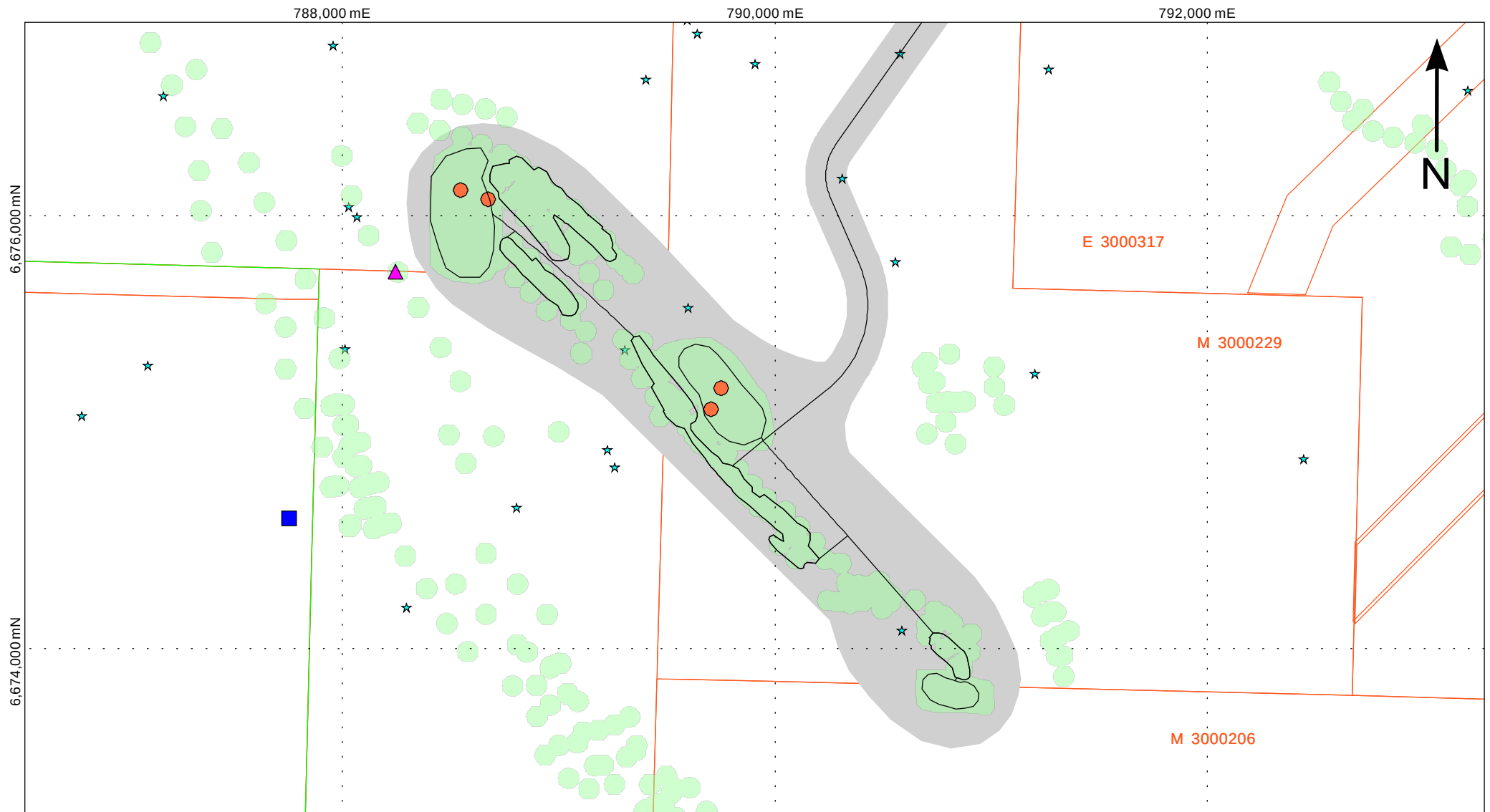
**Figure 21: Malleefowl Survey Areas of the Central Deposit**



**Figure 22: Malleefowl Survey Areas of the Banjo Deposit**







### Legend:

MMS Live Tenements

MMS Pending Tenements

Mount Manning Nature Reserve

Mining Reserve

### Ularring Hematite Project:

Project Development Area

Proposed Disturbance Areas

**Malleefowl Mounds by Survey:**  
 Combined Malleefowl Ground Survey Area  
 Terrestrial Ecosystems (2011)

MMS pre-drilling Clearance Inspections

MMS Survey (2013)

LiDAR Survey (2011)

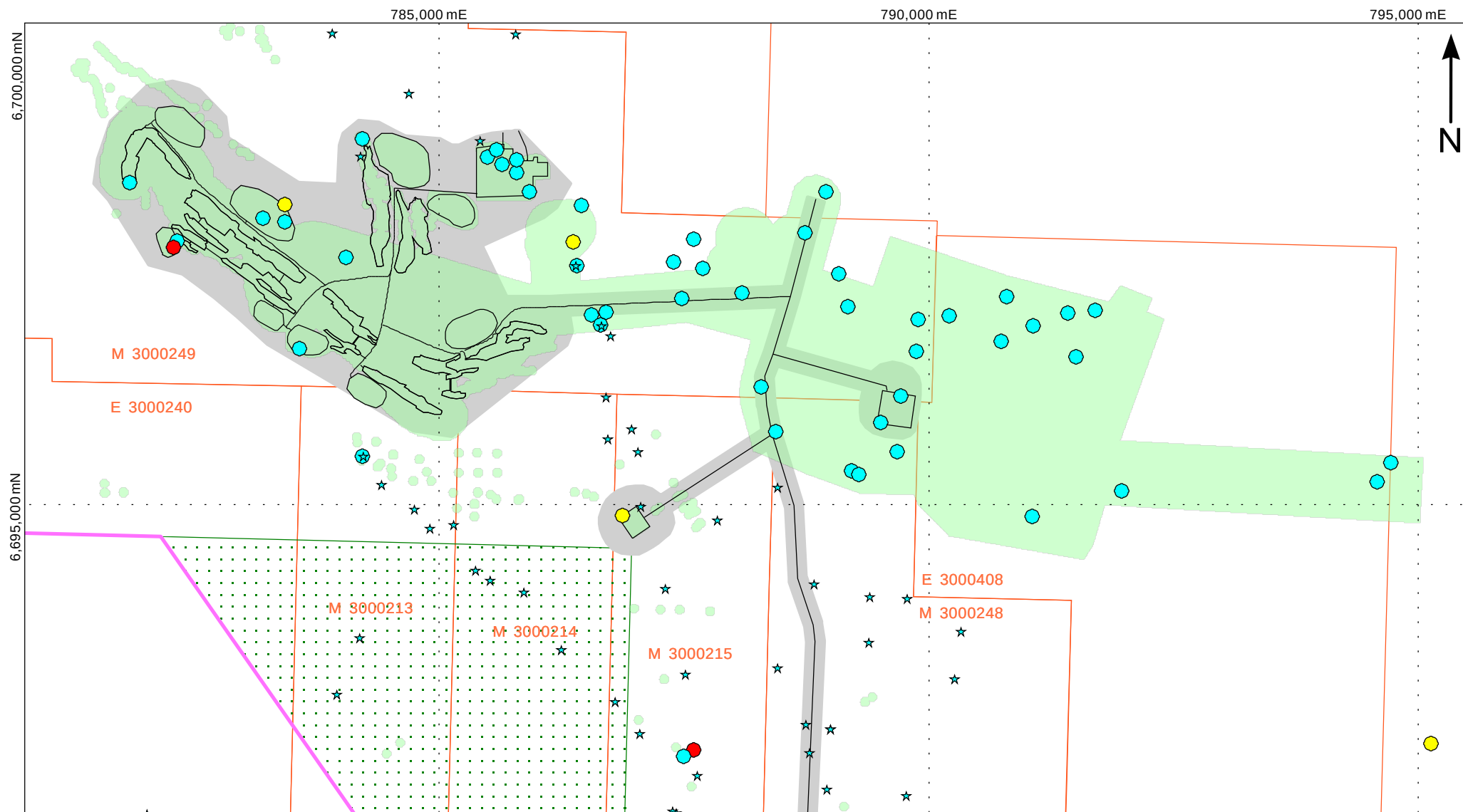
0 250 500 1,000  
metres

Projection: MGA94 Zone 50J

Created by: MMS

Date: 15.02.2013

**Figure 25: Malleefowl Mounds by Survey in the Banjo Deposit**



#### Legend:

- |                              |                                   |                                        |
|------------------------------|-----------------------------------|----------------------------------------|
| MMS Live Tenements           | Mining Reserve                    | Proposed Disturbance Areas             |
| MMS Pending Tenements        | <b>Ularring Hematite Project:</b> |                                        |
| Mount Manning Nature Reserve | Project Development Area          | Combined Malleefowl Ground Survey Area |

#### Malleefowl Mounds by Status:

- LIDAR mound (no status available)
- Active
- Inactive
- Extinct

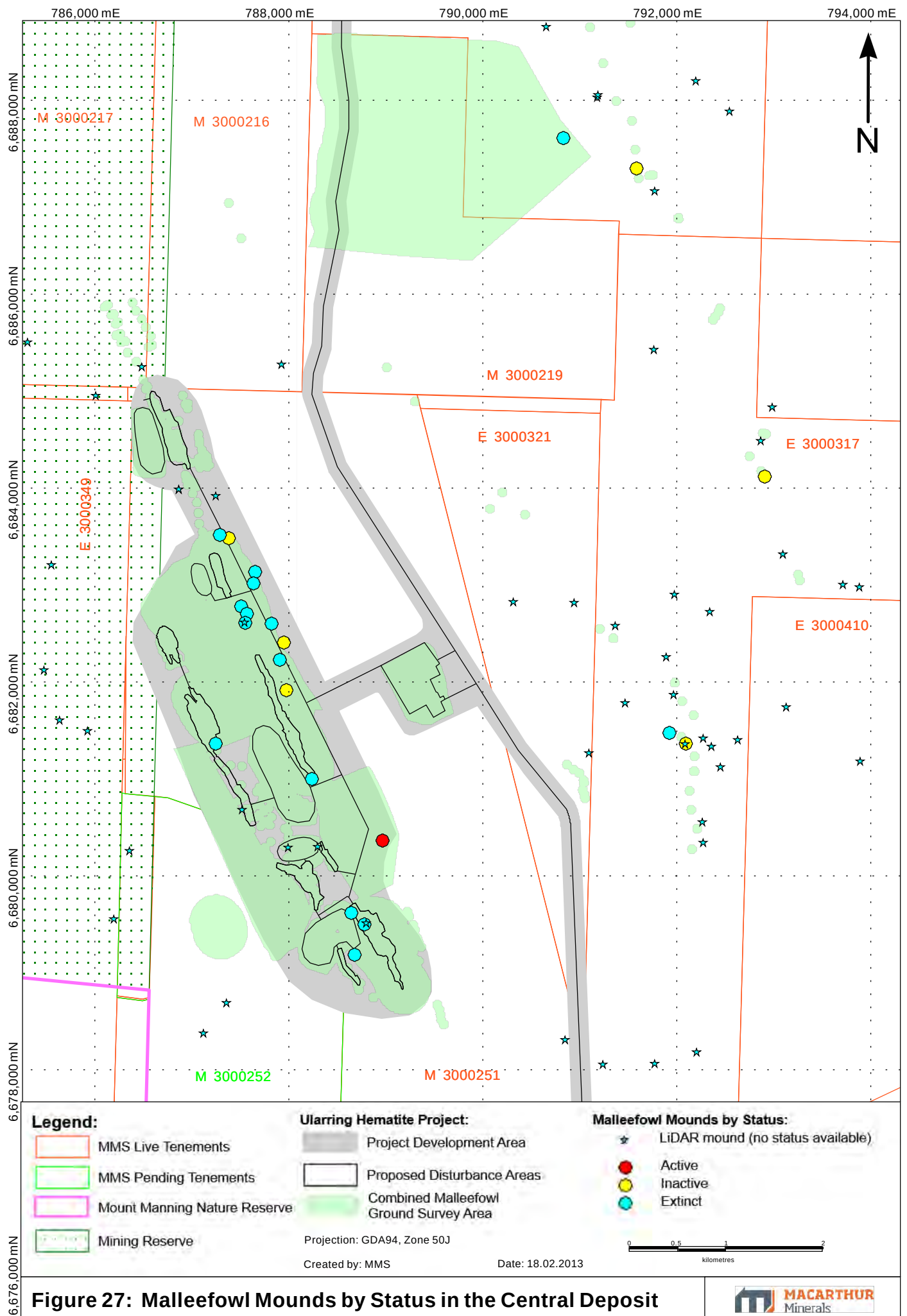
0 0.5 1 2  
kilometres

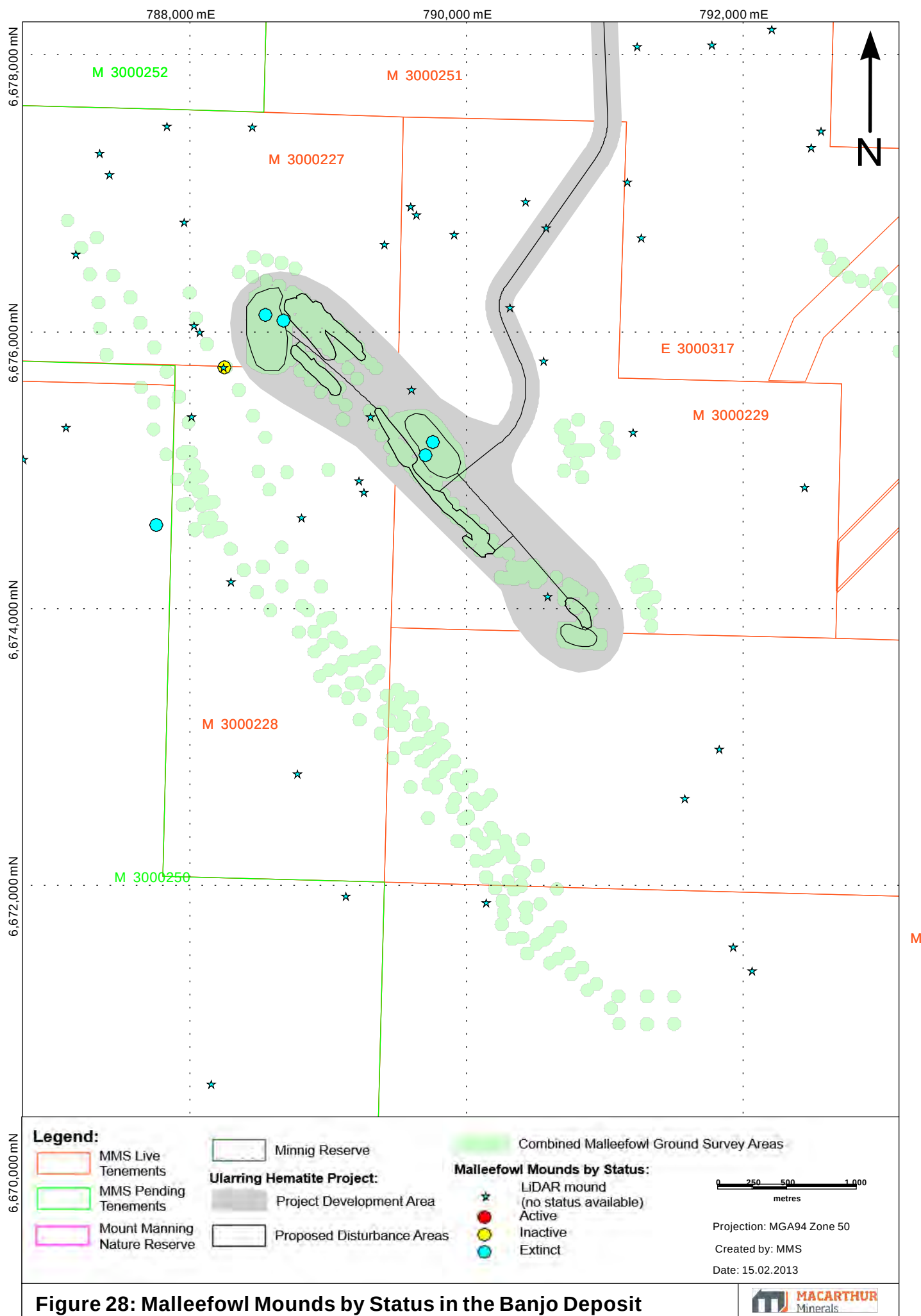
Projection: GDA94, Zone 50J

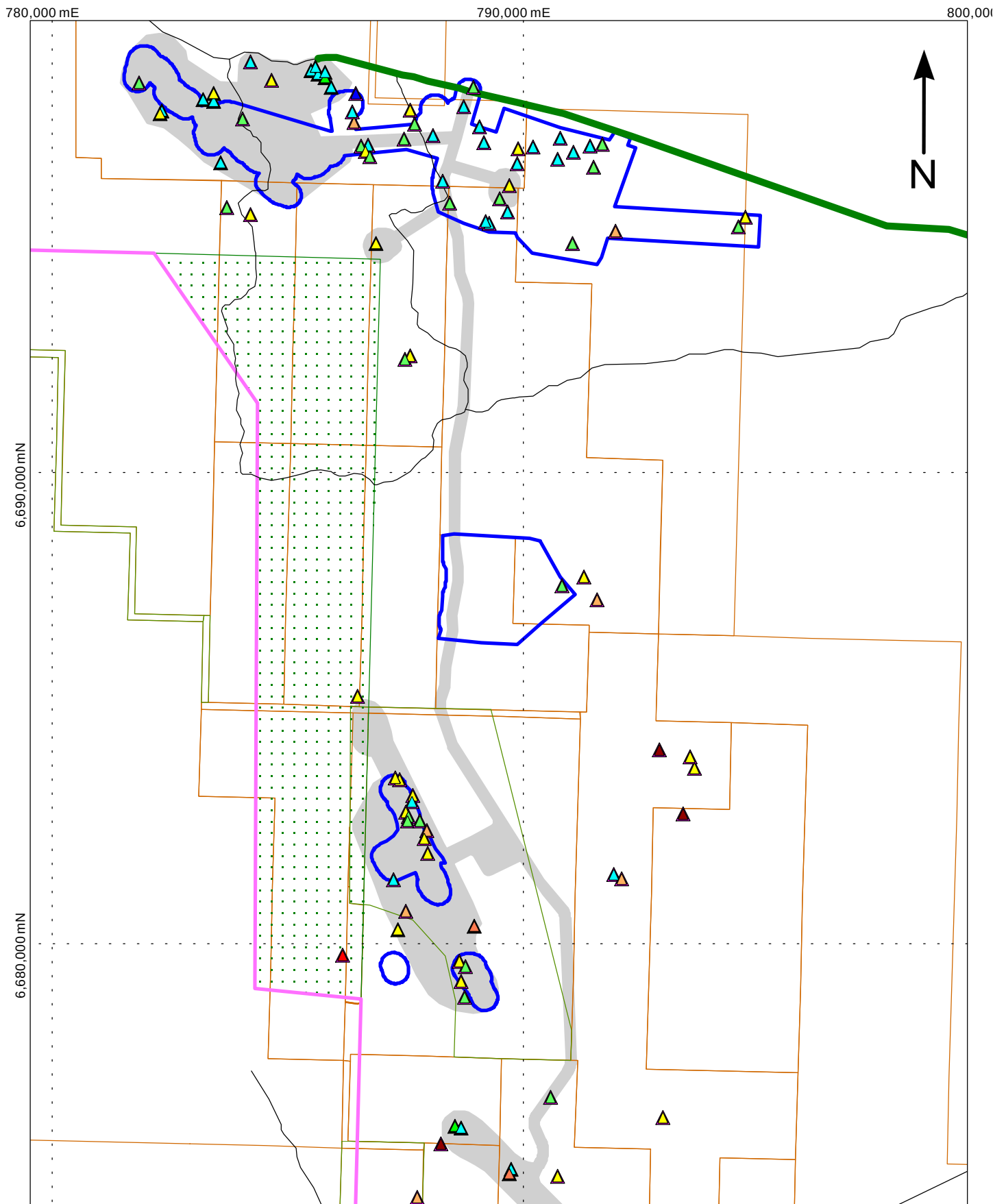
Created by: MMS

Date: 18.02.2013

**Figure 26: Malleefowl Mounds by Status in the Snark Deposit**







# **LEGEND:**

- MMS - Live Mineral Tenements
- MMS - Pending Mineral Tenements
- Mount Manning Nature Reserve



Mining Reserve

## **Ularring Hematite Project:**



Project Development Area

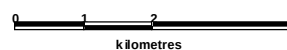
Existing Major Roads

Haulage Route

## **Malleefowl Records:**



Malleefowl Mound Survey Area (MMS 2011)

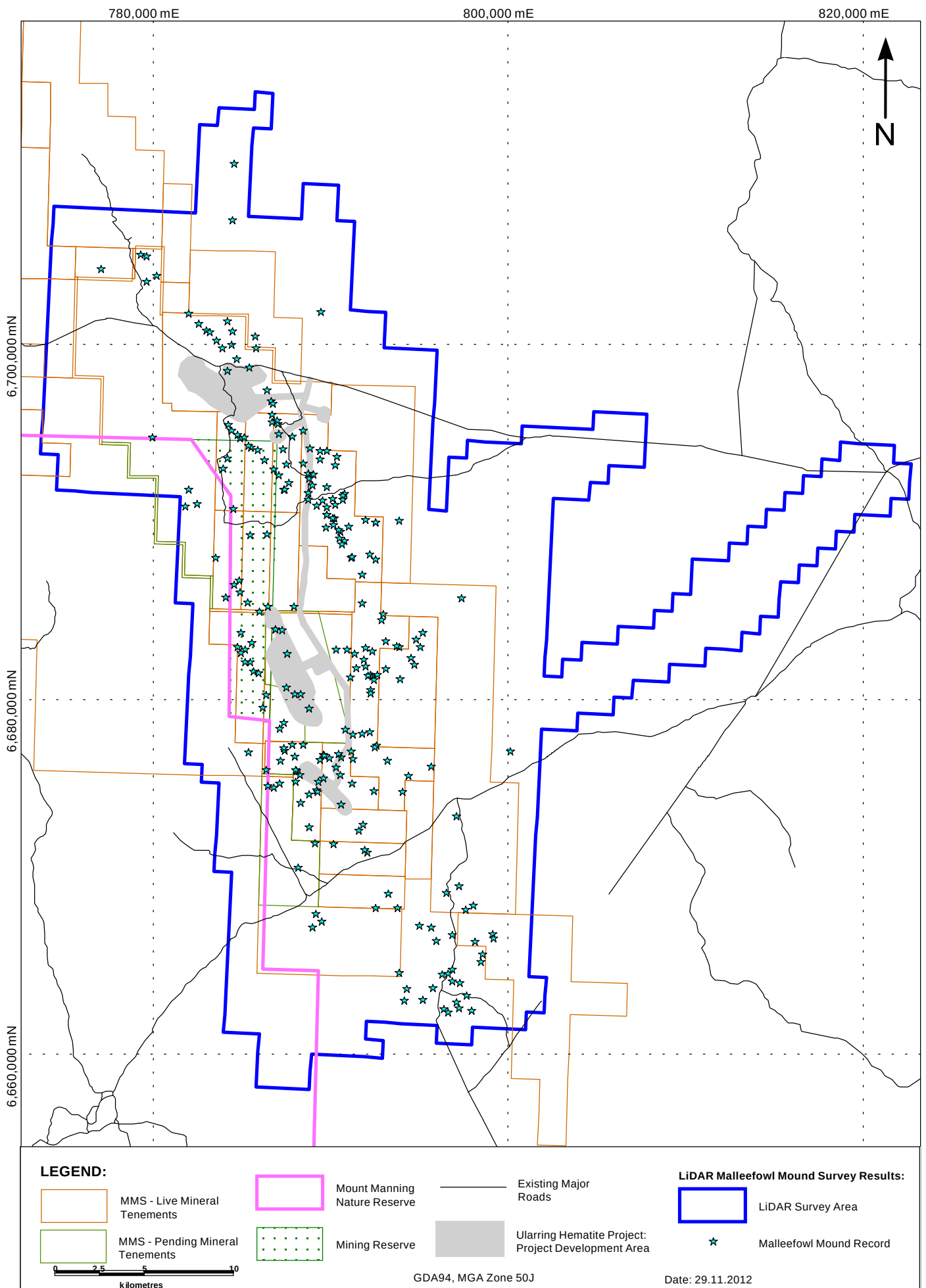


## **MMS Malleefowl Mound Records Height Ranges:**

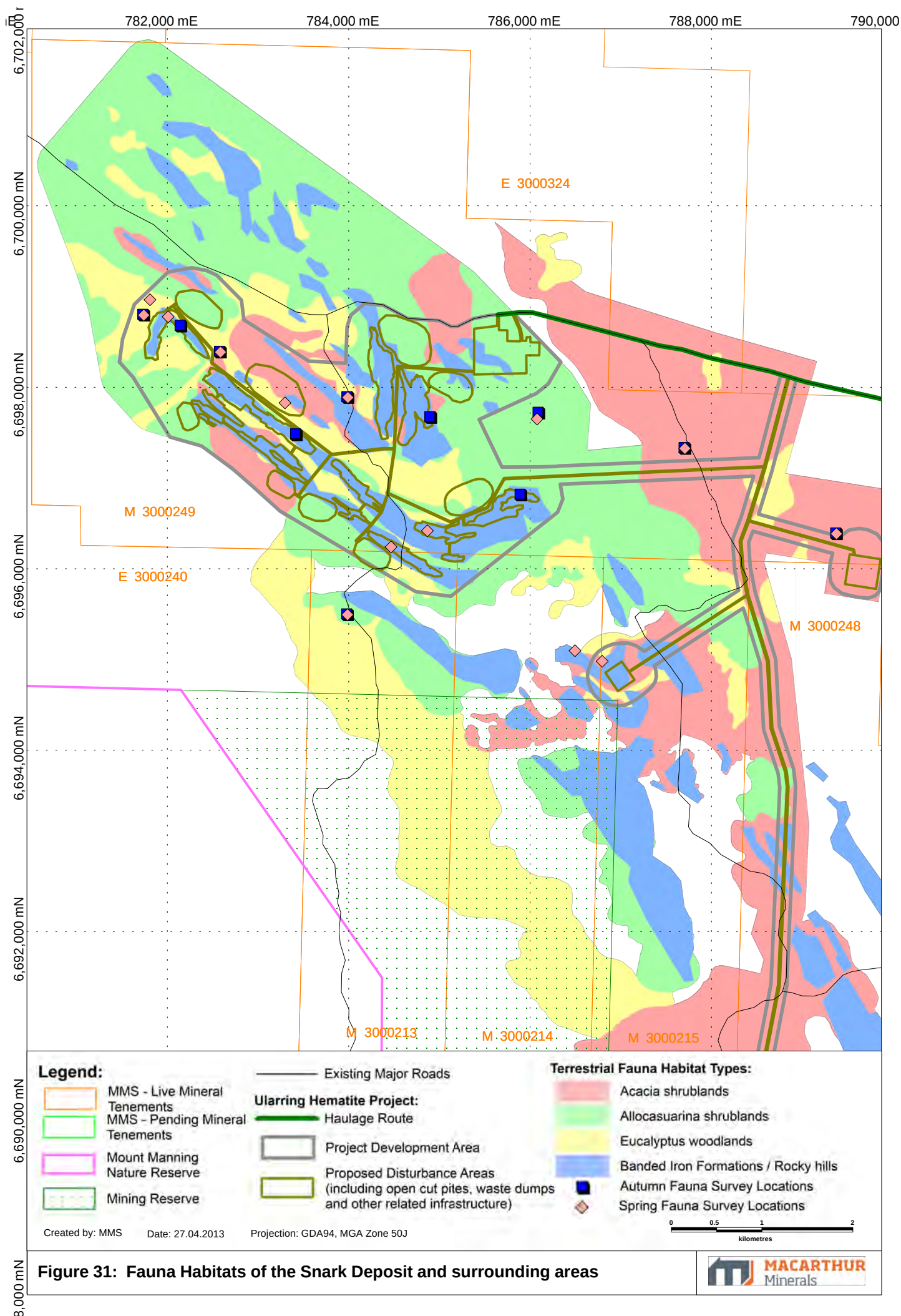
- |                                                 |                                                  |
|-------------------------------------------------|--------------------------------------------------|
| <span style="color: blue;">▲</span> -0.3 - 0.0  | <span style="color: orange;">▲</span> 0.6 - 0.8  |
| <span style="color: cyan;">▲</span> 0.0 - 0.2   | <span style="color: brown;">▲</span> 0.8 - 1.0   |
| <span style="color: green;">▲</span> 0.2 - 0.4  | <span style="color: red;">▲</span> 1.0 - 1.2     |
| <span style="color: yellow;">▲</span> 0.4 - 0.6 | <span style="color: darkred;">▲</span> 1.2 - 2.0 |

GDA94, MGA Zone 50J Date: 05.12.2012

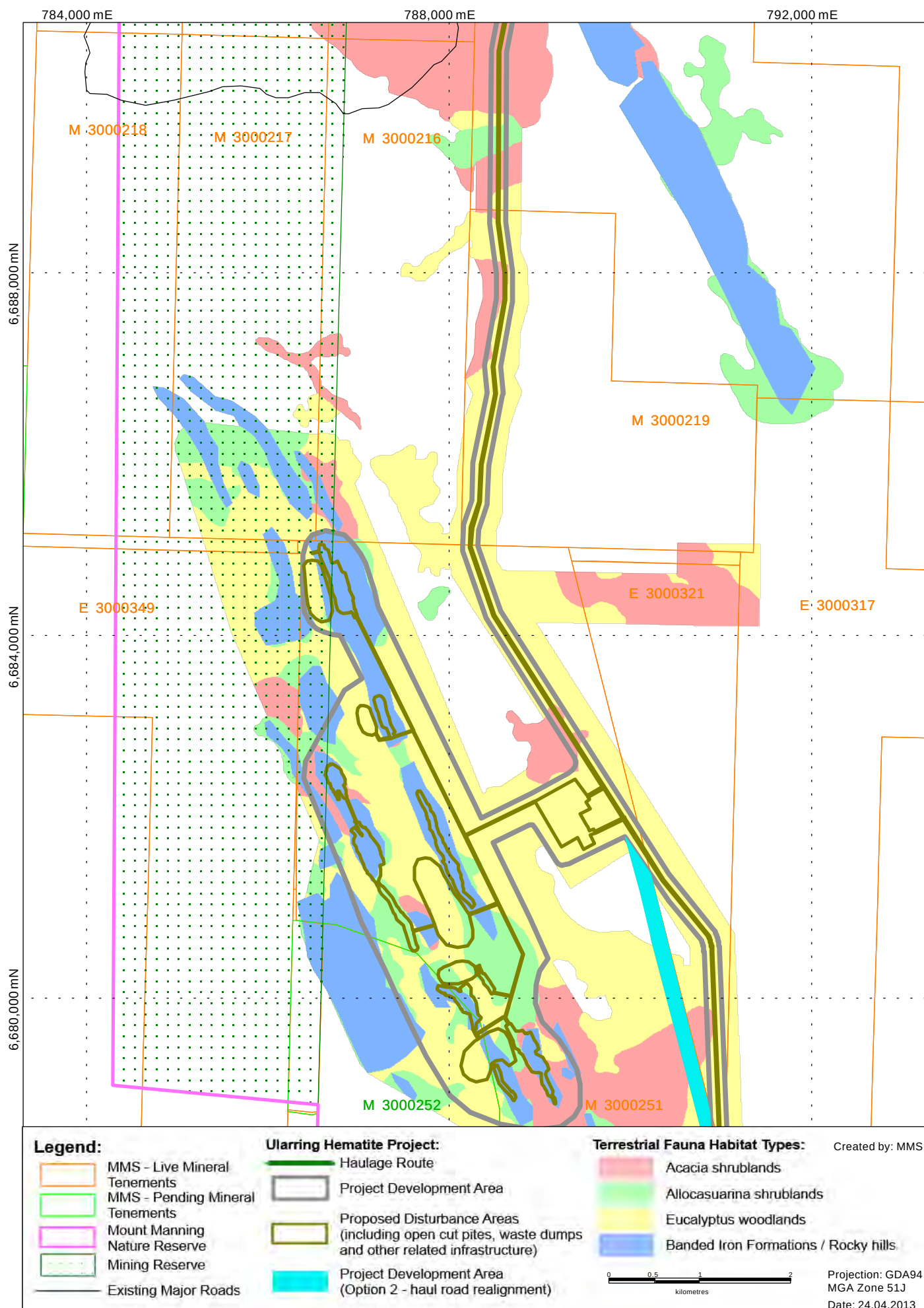
**Figure 29: Malleefowl Mounds by Height**



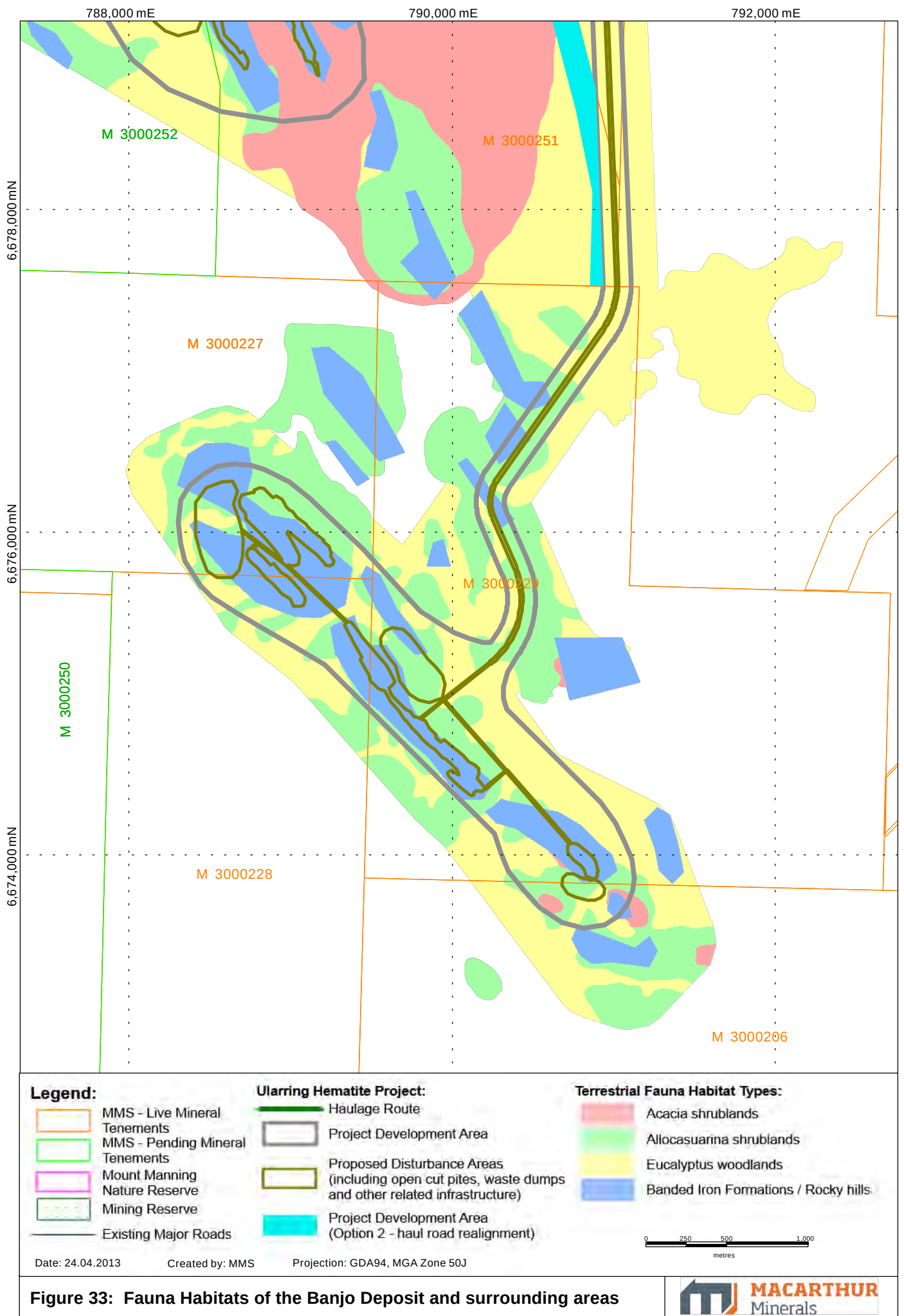
**Figure 30: LiDAR Malleefowl Mound Records**

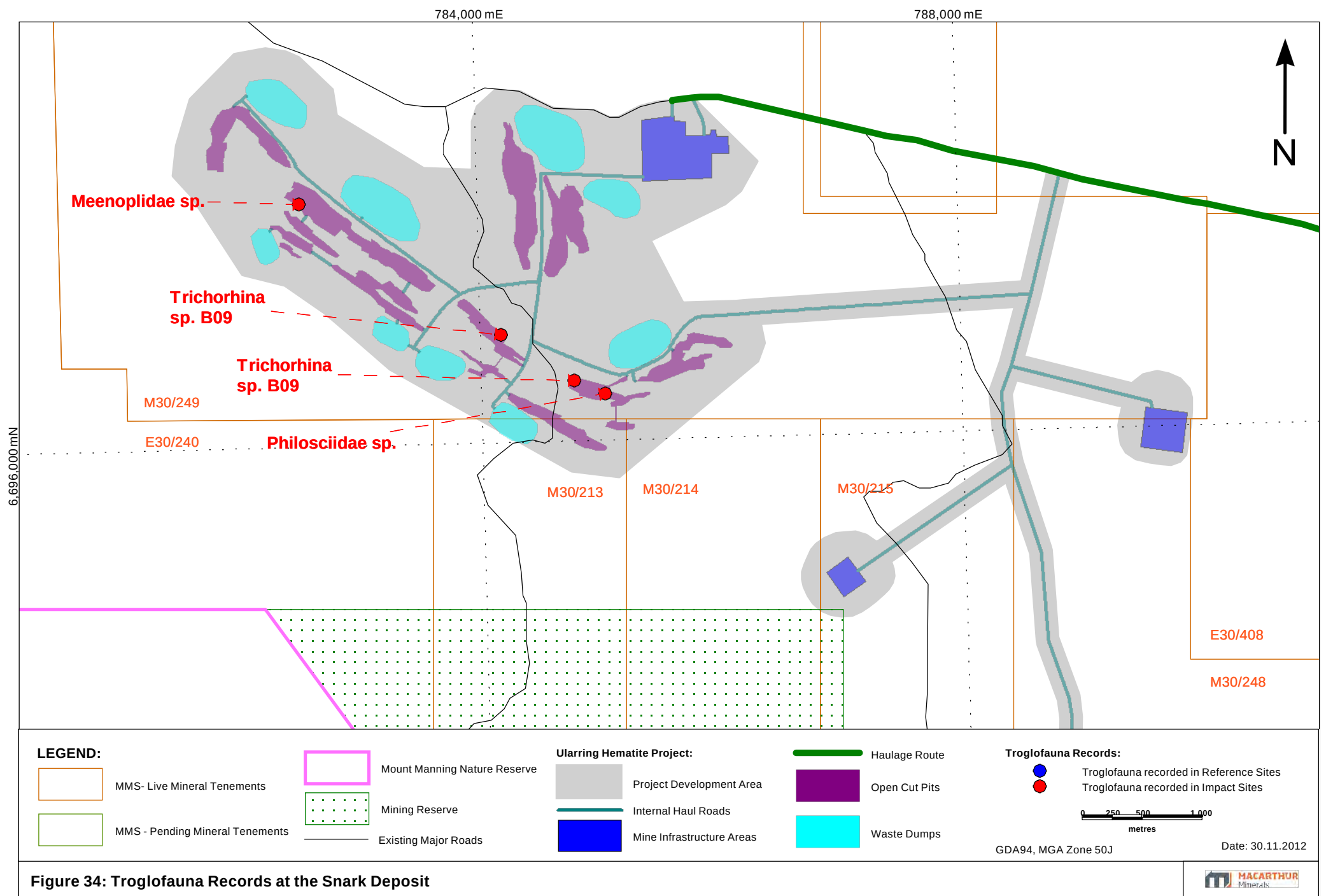


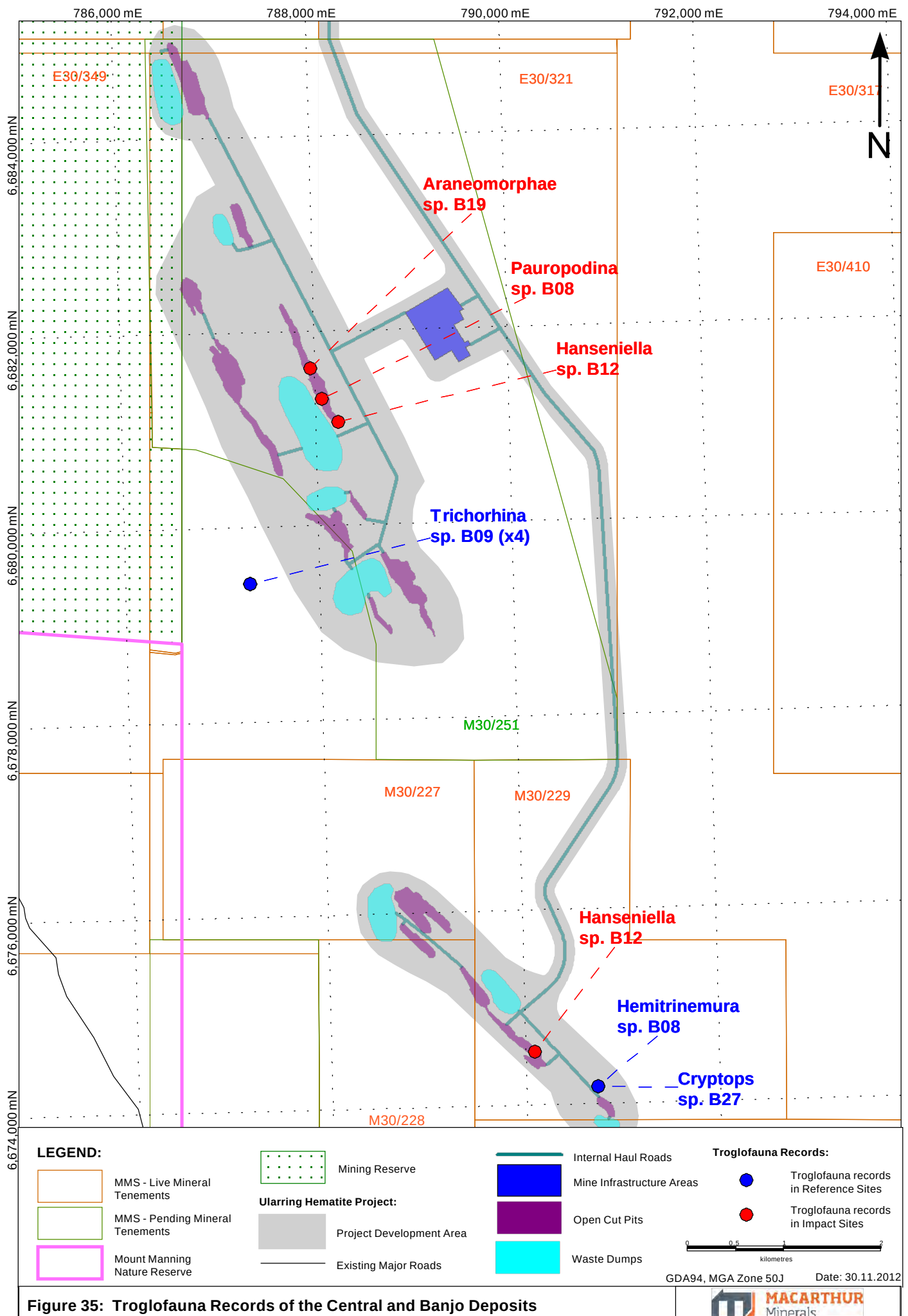
**Figure 31: Fauna Habitats of the Snark Deposit and surrounding areas**



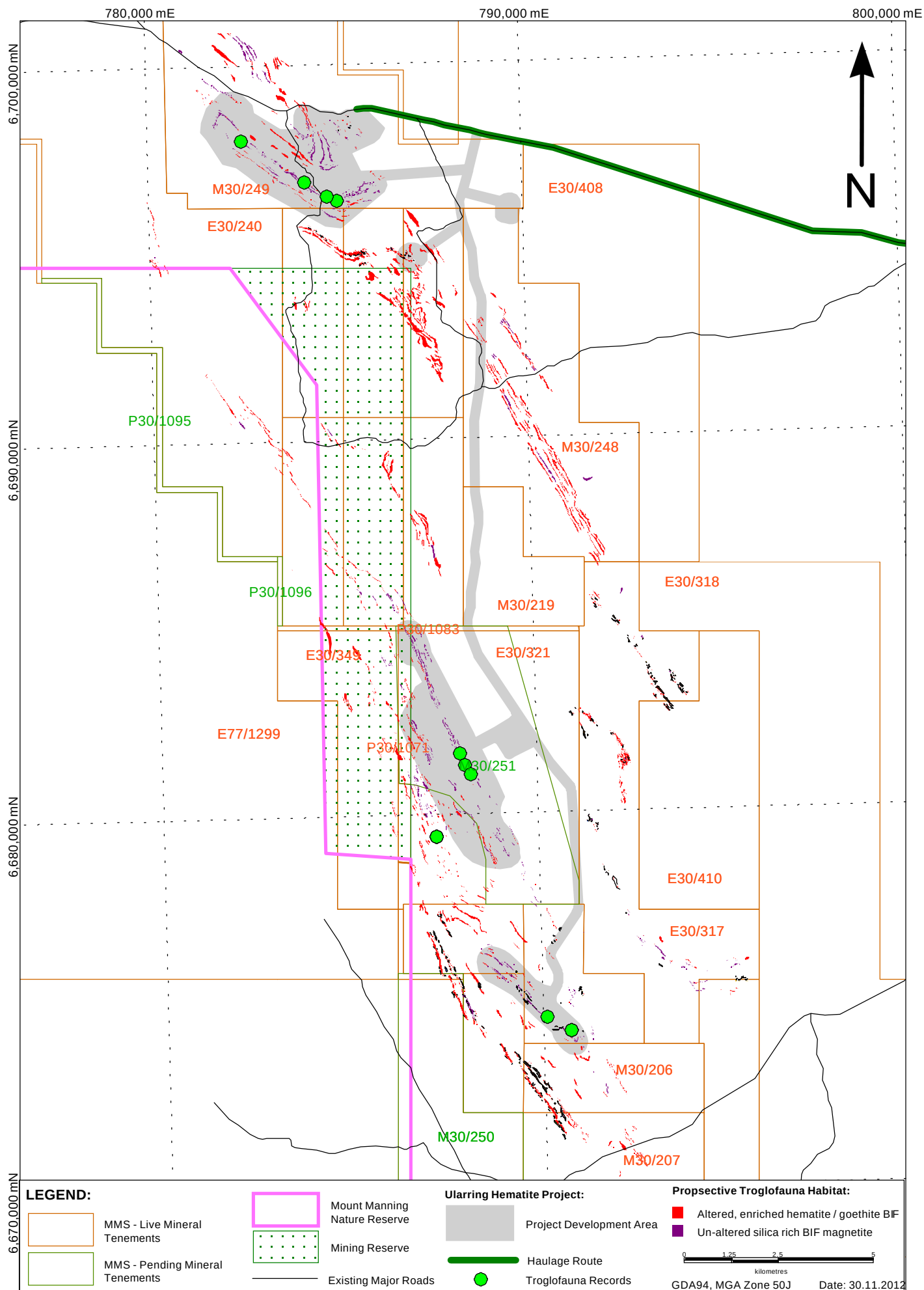
**Figure 32: Fauna Habitats of the Central Deposit and surrounding areas**



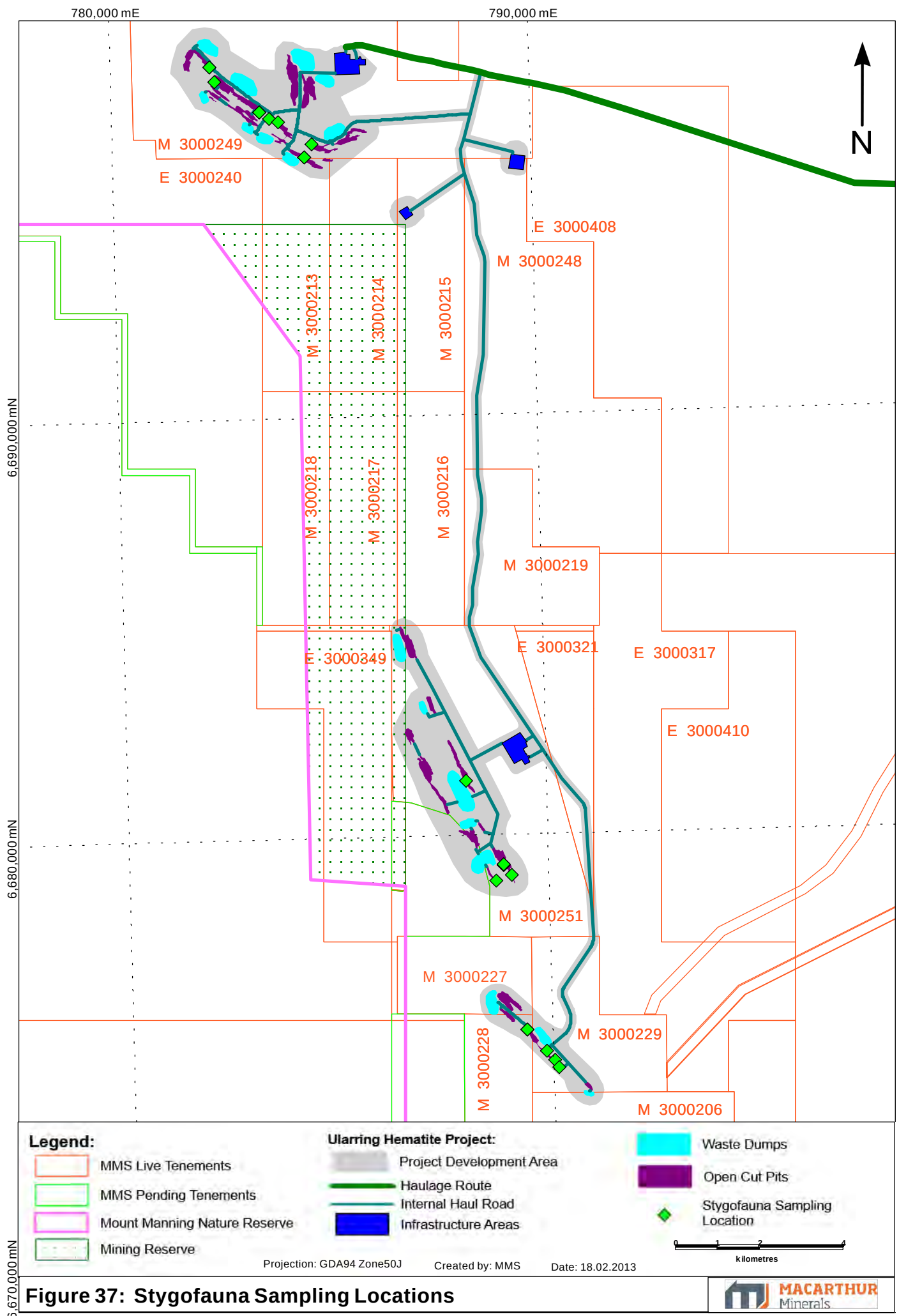




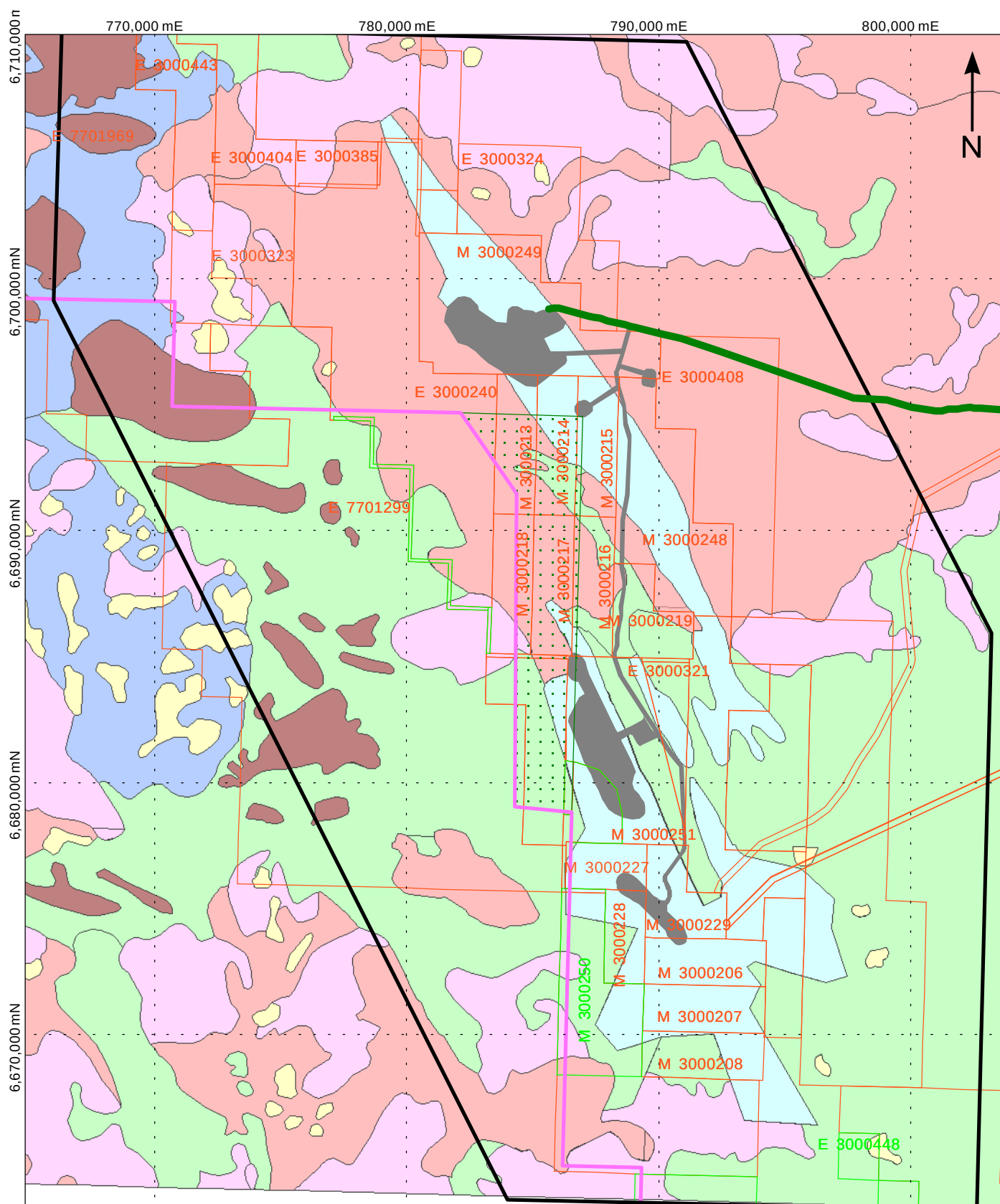
**Figure 35: Troglifauna Records of the Central and Banjo Deposits**



**Figure 36: Prospective Troglofauna Habitat of the Project Area and surrounds**



**Figure 37: Stygofauna Sampling Locations**



### Legend

- MMS Live Tenements
- MMS Pending Tenements
- Mount Manning Nature Reserve
- Mining Reserve

### Ularring Hematite Project:

- Project Development Area
- Haulage Route
- SRE Study Area

0 2 4 8  
kilometres

### SRE Habitats

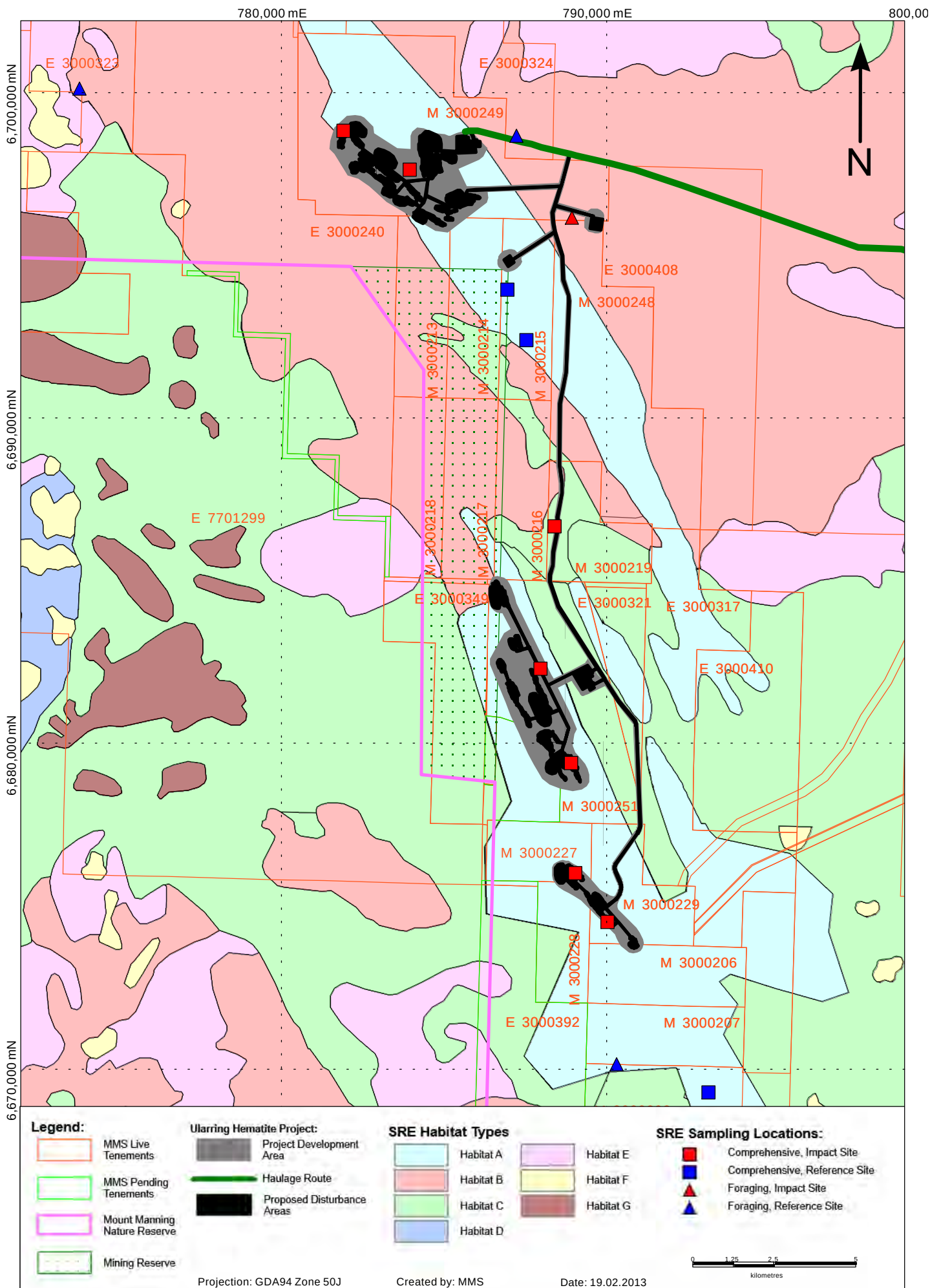
- A. Low woodlands on rocky undulating plains
- B. Low woodlands on sand plains
- C. Medium woodland on sand plains
- D. Scrubland on sand plains
- E. Shrublands on sand plains
- F. Flat, bare rocky outcrops
- G. Salt lake

Projection: GDA94 Zone 50J

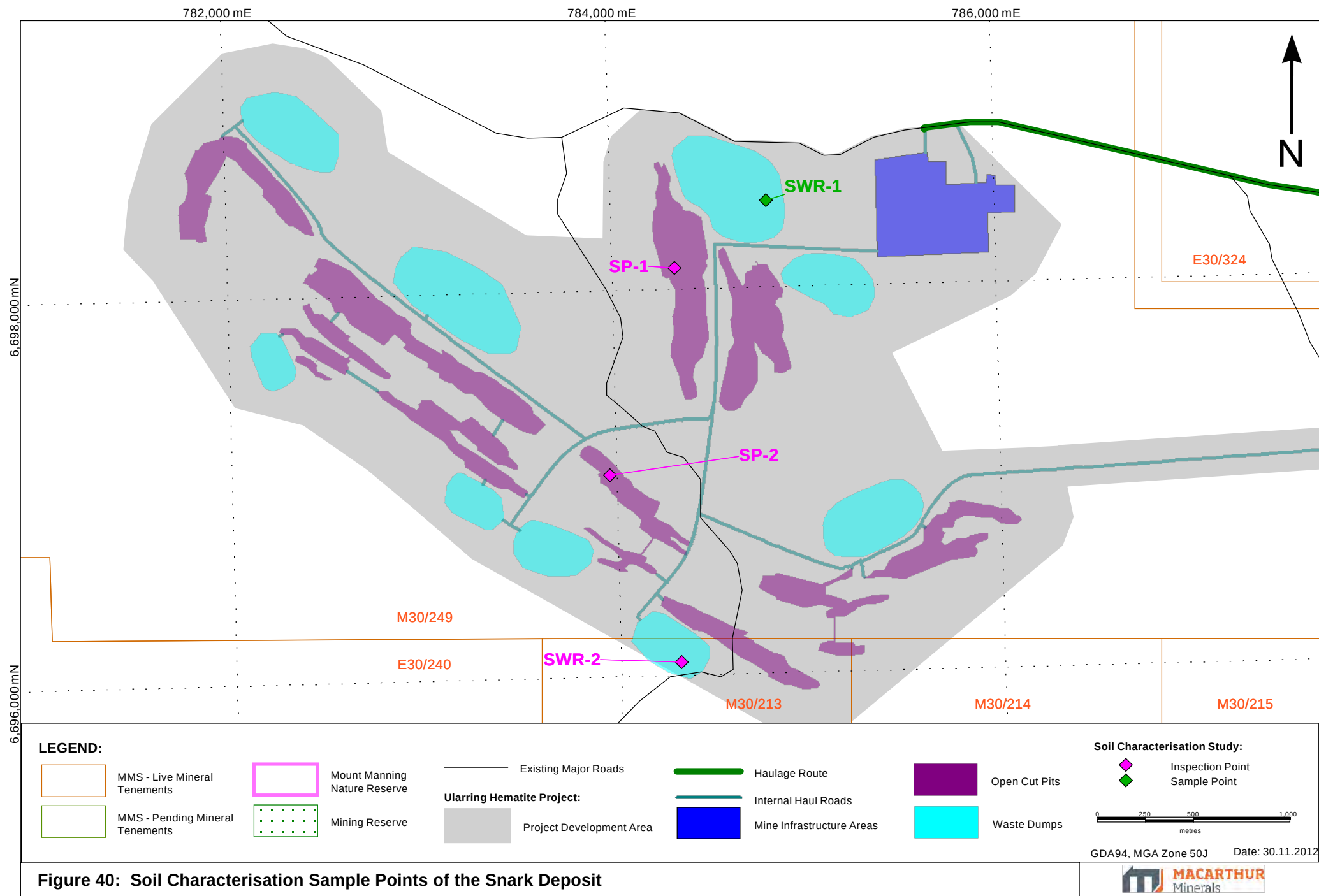
Created by: MMS

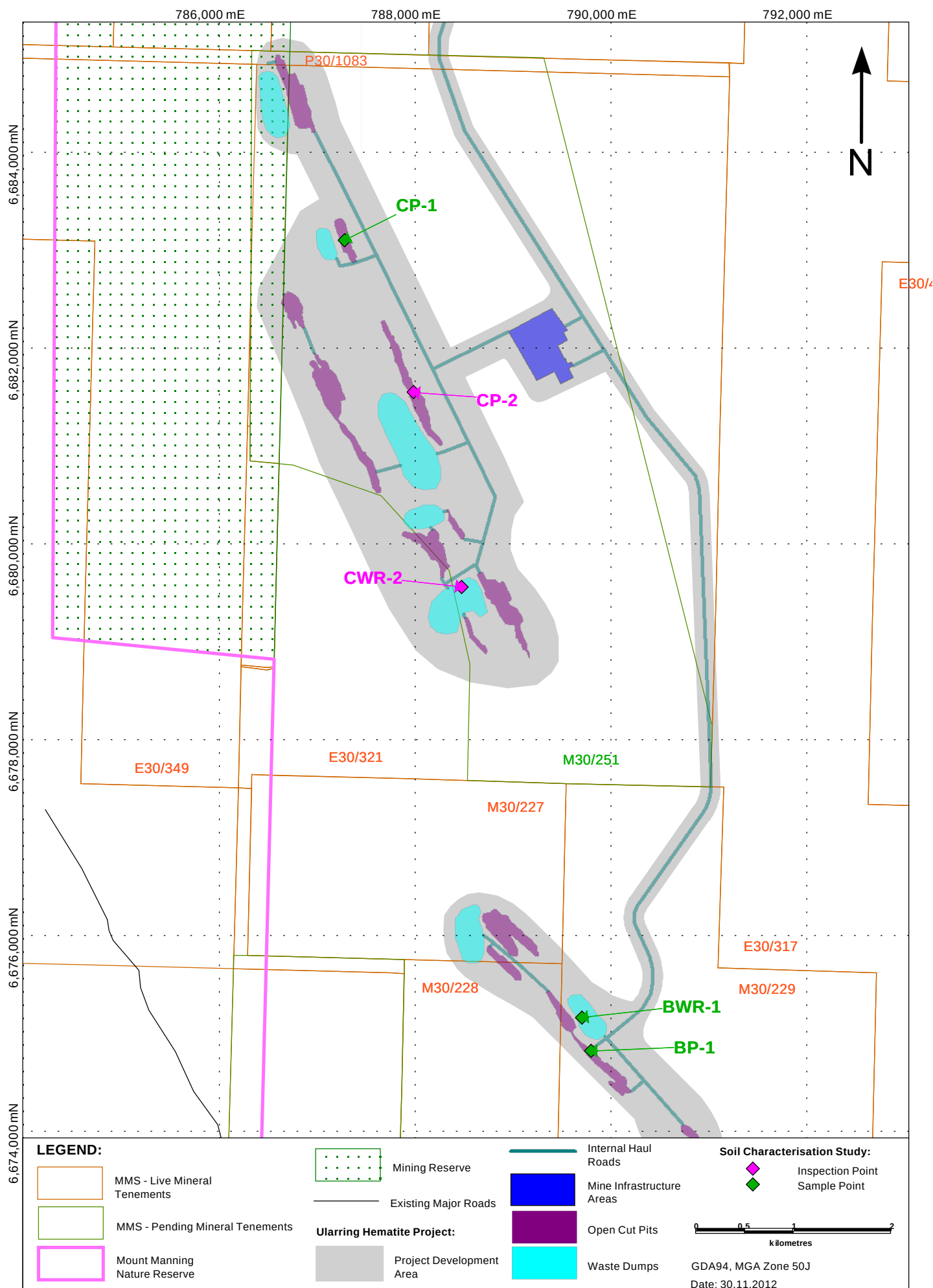
Date: 19.02.2013

**Figure 38: SRE Study Area and Habitats**



**Figure 39: SRE Sampling Locations**





**Figure 41: Soil Characterisation Sample Points of the Central and Banjo Deposits**

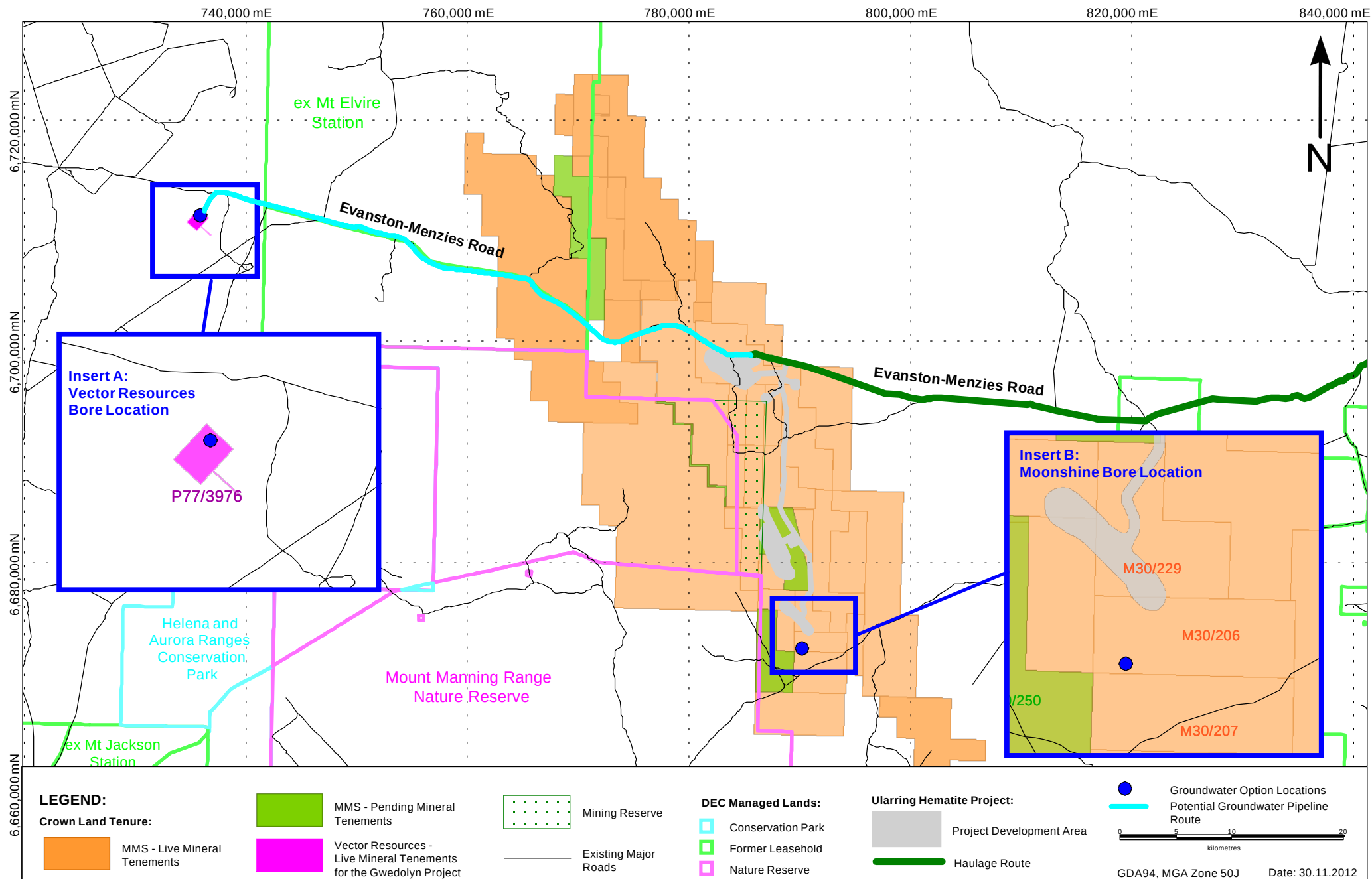


Figure 42: Project Groundwater Options