



## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

<b>Purpose Permit number:</b>	CPS 6110/3
<b>Permit Holder:</b>	Pilbara Iron Company (Services) Pty Ltd
<b>Duration of Permit:</b>	4 October 2014 to 31 December 2024

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

### **PART I – CLEARING AUTHORISED**

#### **1. Purpose for which clearing may be done**

Clearing for the purpose of constructing town and camp infrastructure and associated works.

#### **2. Land on which clearing is to be done**

Clearing authorised under this Permit is to be undertaken within land tenure or rights administered under the *Mining Act 1904* (WA), *Mining Act 1978* (WA), *Land Act 1933* (WA), *Land Administration Act 1997* (WA), *Property Law Act 1969* (WA), *Transfer of Land Act 1893* (WA), *Strata Titles Act 1985* (WA), the *Rights in Water and Irrigation Act 1914* (WA), the *Water Corporation Act 1995* (WA), the *Water Agencies (Powers) Act 1984* (WA) and the following State Agreement Acts –

- *Iron Ore (Hamersley Range) Agreement Act 1963*
- *Iron Ore (Robe River) Agreement Act 1964*
- *Iron Ore (Hamersley Range) Agreement Act 1968 (Paraburdoo)*
- *Iron Ore (Mount Bruce) Agreement Act 1972*
- *Iron Ore (Channar Joint Venture) Agreement Act 1987*
- *Iron Ore (Hope Downs) Agreement Act 1992*
- *Iron Ore (Yandicoogina) Agreement Act 1996*

Karijini Drive Road reserve (Lot 106 on Plan 218877)

#### **3. Area of Clearing**

The Permit Holder must not clear more than 53 hectares of native vegetation within the areas hatched yellow on attached Plan 6110/3 (a), Plan 6110/3 (b), Plan 6110/3 (c), Plan 6110/3 (d), Plan 6110/3 (e), Plan 6110/3 (f), Plan 6110/3 (g), Plan 6110/3 (h), Plan 6110/3 (i), Plan 6110/3 (j), Plan 6110/3 (k), Plan 6110/3 (l), Plan 6110/3 (m) and Plan 6110/3 (n).

#### **4. Application**

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

### **PART II – MANAGEMENT CONDITIONS**

#### **5. Avoid, minimise and reduce the impacts and extent of clearing**

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

- (a) avoid the clearing of native vegetation;
- (b) minimise the amount of native vegetation to be cleared; and
- (c) reduce the impact of clearing on any environmental value.

## 6. Weed control

When undertaking any clearing or other activity pursuant to this Permit, the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds*:

- (a) Clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) Ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) Restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

## 7. Flora management

- (a) Prior to undertaking any clearing, the Permit Holder shall engage a *botanist* to undertake a Level 1 survey of the area(s) to be cleared in accordance with *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* to identify possible occurrences of, and habitat suitable for, rare and *priority flora*.
- (b) Prior to undertaking any clearing, where an area has been identified in accordance with condition 7(a) as containing possible occurrences of, and habitat suitable for, rare or *priority flora*, the Permit Holder shall engage a *botanist* to inspect that area for the presence of rare and *priority flora*.
- (c) Where rare flora or *priority flora* are identified in relation to condition 7(b) of this Permit, the Permit Holder shall ensure that:
  - (i) no clearing occurs within 50 metres of identified rare or priority 1 flora, unless approved by the CEO in writing;
  - (ii) no clearing of identified rare flora occurs unless approved under section 23F(4)(a) of the *Wildlife Conservation Act 1950*;
  - (iii) no clearing occurs within 20 metres of identified priority 2, 3 and 4 flora, unless approved by the CEO in writing; and
  - (iv) no clearing of identified *priority flora* occurs unless approved by the CEO in writing.

## 8. Fauna management

- (a) Prior to undertaking any clearing, the Permit Holder shall engage a *fauna specialist* to undertake a Level 1 survey of the area(s) to be cleared, in accordance with *Technical Guidance – Terrestrial fauna surveys* to identify areas of habitat on which fauna, listed in the *Wildlife Conservation (Specially Protected Fauna) Notice*, have a specific dependence.
- (b) Prior to undertaking any clearing, where habitat areas are identified in accordance with condition 8(a), the area(s) shall be inspected for the presence of fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice* by a *fauna specialist*, in accordance with *Guidance Statement No. 56*.
- (c) Prior to undertaking clearing, where habitat areas are identified in accordance with condition 8(a), the Permit Holder must:
  - (i) avoid areas identified in accordance with condition 8(a); or
  - (ii) where the areas identified in accordance with condition 8(a) cannot be avoided, prepare, implement and adhere to a *Fauna Management Plan*, designed by a *fauna specialist*.
- (d) Prior to undertaking any clearing, where fauna is identified in accordance with condition 8(b), the Permit Holder must prepare, implement and adhere to a *Fauna Management Plan*, designed by a *fauna specialist*.
- (e) The *Fauna Management Plan* must include the following:
  - (i) a plan for managing the *impacts*;
  - (ii) a plan for managing any fauna identified in accordance with condition 8(b);
  - (iii) a table setting out the Permit Holder's commitments to the *Fauna Management Plan* requirements; and
  - (iv) a program for monitoring compliance with the Permit Holder's commitments.
- (f) Once the Permit Holder has developed a *Fauna Management Plan*, the Permit Holder must provide that *Fauna Management Plan* to the CEO for the CEO's approval. The clearing to which the *Fauna Management Plan* relates and the implementation of the *Fauna Management Plan* shall not take place until the Permit Holder receives approval from the CEO.
- (g) If it is necessary to modify the *Fauna Management Plan* approved by the CEO, then the Permit Holder must provide that modified *Fauna Management Plan* to the CEO for the CEO's approval.

## 9. Vegetation management

- (a) Where practicable the Permit Holder shall avoid clearing riparian vegetation.
- (b) Where a watercourse or wetland is to be impacted by clearing, the Permit Holder shall maintain the existing surface flow by use of culverts.

## PART III – MONITORING, RECORD KEEPING AND REPORTING

### 10. Records to be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

- (a) In relation to the clearing of native vegetation authorised under this Permit:
  - (i) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
  - (ii) the date that the area was cleared; and
  - (iii) the size of the area cleared (in hectares).
- (b) Actions taken to avoid, minimise and reduce the impacts and extent of clearing in accordance with condition 5 of this Permit.
- (c) Actions taken to minimise the risk of the introduction and spread of weeds in accordance with condition 6 of this Permit.
- (d) In relation to flora management pursuant to condition 7 of this Permit:
  - (i) the location of each rare and/or *priority flora* species recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
  - (ii) the species name of each rare or *priority flora* species identified; and
  - (iii) a copy of the *botanist's* flora survey report.
- (e) In relation to fauna management pursuant to condition 8 of this Permit:
  - (i) a description and results of the fauna management activities undertaken in accordance with the *Fauna Management Plan* approved by the CEO; and
  - (ii) a copy of the *fauna specialist's* report.
- (f) Vegetation management actions taken in accordance with condition 9 of this Permit.

### 11. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
  - (i) of records required under condition 10 of this Permit; and
  - (ii) concerning activities done by the Permit Holder under this Permit between 1 January to 31 December of the preceding calendar year.
- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December of the preceding calendar year, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 31 December of each year.
- (c) Prior to 30 June 2024, the Permit Holder must provide to the CEO a written report of records required under condition 10 of this Permit where these records have not already been provided under condition 11(a) of this Permit.

## DEFINITIONS

The following meanings are given to terms used in this Permit:

**botanist:** means a person who holds a tertiary qualification in environmental science or equivalent, and has a minimum of 2 years work experience in identification and surveys of flora native to the bioregion being inspected or surveyed, or who is approved by the CEO as a suitable botanist for the bioregion;

**environmental specialist** means a person who is engaged by the Permit Holder for the purpose of providing environmental advice, who holds a tertiary qualification in environmental science or equivalent, and has experience relevant to the type of environmental advice that an environmental specialist is required to provide under this Permit;

**fauna clearing person** means a person who has obtained a licence from the Department of Parks and Wildlife, issued pursuant to the *Wildlife Conservation Regulations 1970* authorising them to take fauna;

**fauna management plan** means a plan developed by the Permit Holder for the management of fauna at the site in accordance with condition 7 of this Permit;

**fauna specialist:** means a person who holds a tertiary qualification specializing in environmental science or equivalent, and has a minimum of 2 years work experience in fauna identification and surveys of fauna native to the region being inspected or surveyed, or who is approved by the CEO as a

suitable fauna specialist for the bioregion, and who holds a valid fauna licence issued under the *Wildlife Conservation Act 1950*;

**fill** means material used to increase the ground level, or fill a hollow;

**impacts** means any impact of clearing on environmental values;

**mulch** means the use of organic matter, wood chips or rocks to slow the movement of water across the soil surface and to reduce evaporation;

**priority flora** means those plant taxa described as priority flora classes 1, 2, 3, 4 or 5 in the *Department of Parks and Wildlife's Threatened and Priority Flora List for Western Australia* (as amended);

**Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment** means the Environmental Protection Authority Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment in Western Australia (2016);

**Technical Guidance – Terrestrial fauna surveys** means Environmental Protection Authority Technical Guidance – Terrestrial fauna surveys for Environmental Impact Assessment in Western Australia. (2016);

**Wildlife Conservation (Specially Protected Fauna) Notice** means those fauna taxa gazetted as rare fauna pursuant to section 14(4)(a) of the *Wildlife Conservation Act 1950* (as amended).

**weed/s** means any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in a Department of Biodiversity, Conservation and Attractions Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.



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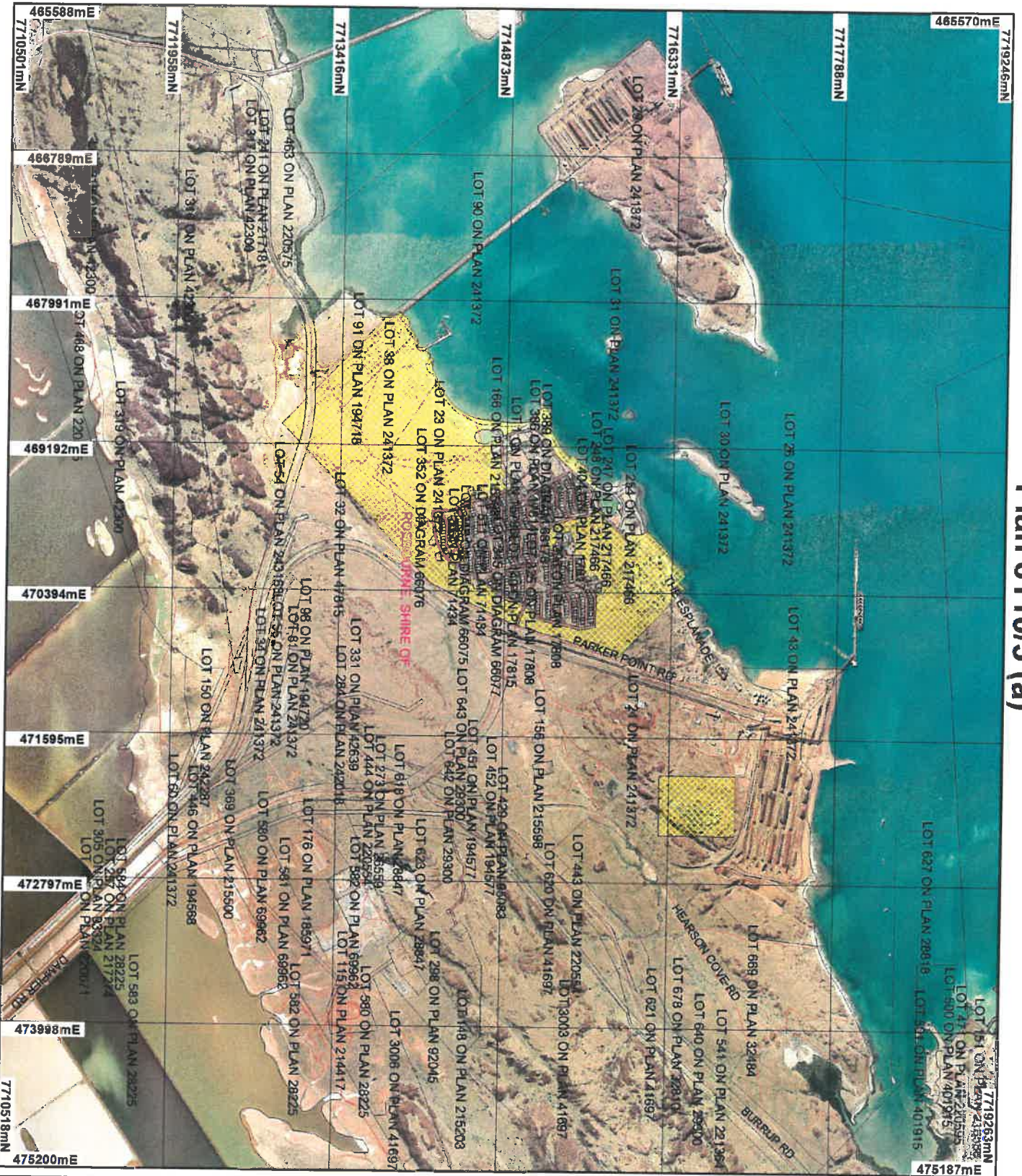
Mathew Gannaway  
MANAGER  
CLEARING REGULATION

*Officer delegated under Section 20  
of the Environmental Protection Act 1986*

29 June 2018



# Plan 6110/3 (a)



## LEGEND

- Local Government Authorities
- / Road Centrelines
- Cadastre
- Clearing Instruments
- Areas Approved to Clear
- Dampler and Extensions 50cm
- Orthomosaic - Landgate 2008

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 -1.25 km

Scale 1:44294

(Approximate when reproduced at 1:4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Matthew Garmery

Date: 29/06/2008

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



GOVERNMENT OF WESTERN AUSTRALIA WA Crown Copyright 2007



- ☒ Local Government Authorities
- ☒ Road Centellinas
- ☐ Cadastro
- ☐ Clearing Instruments
- ☐ Areas Approved to Clear

Pindiri Hills 1.4m Orthomosaic - Landgate 2000

Gooya Pooya 14m Orthomosaic - Landgate 1998

(Approximate when reproduced or A4)

**Note:** the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

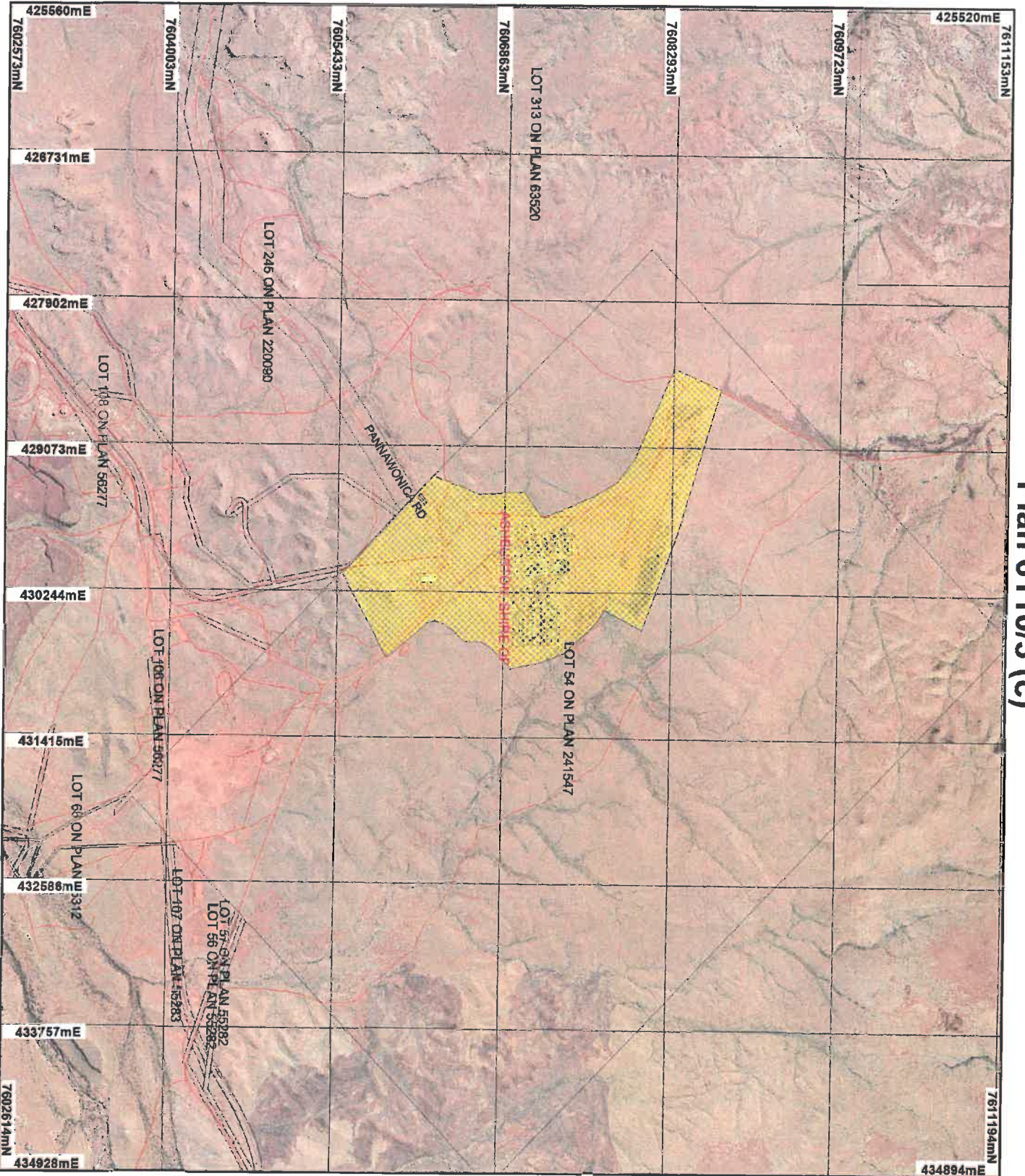
Date 29/06/2016

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.





# Plan 6110/3 (c)



## LEGEND

- ☒ Local Government Authorities
- ☒ Road Centrelines
- ☐ Cadastre
- ☐ Clearing Instruments
- ☐ Areas Approved to Clear
- ☐ Panawonica 1.4m Orthomosaic - Landgate 2000

\* Project Date is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 1.25 km

Scale 1:43299  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Melvin Garnsworthy Date: 29/06/2018

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

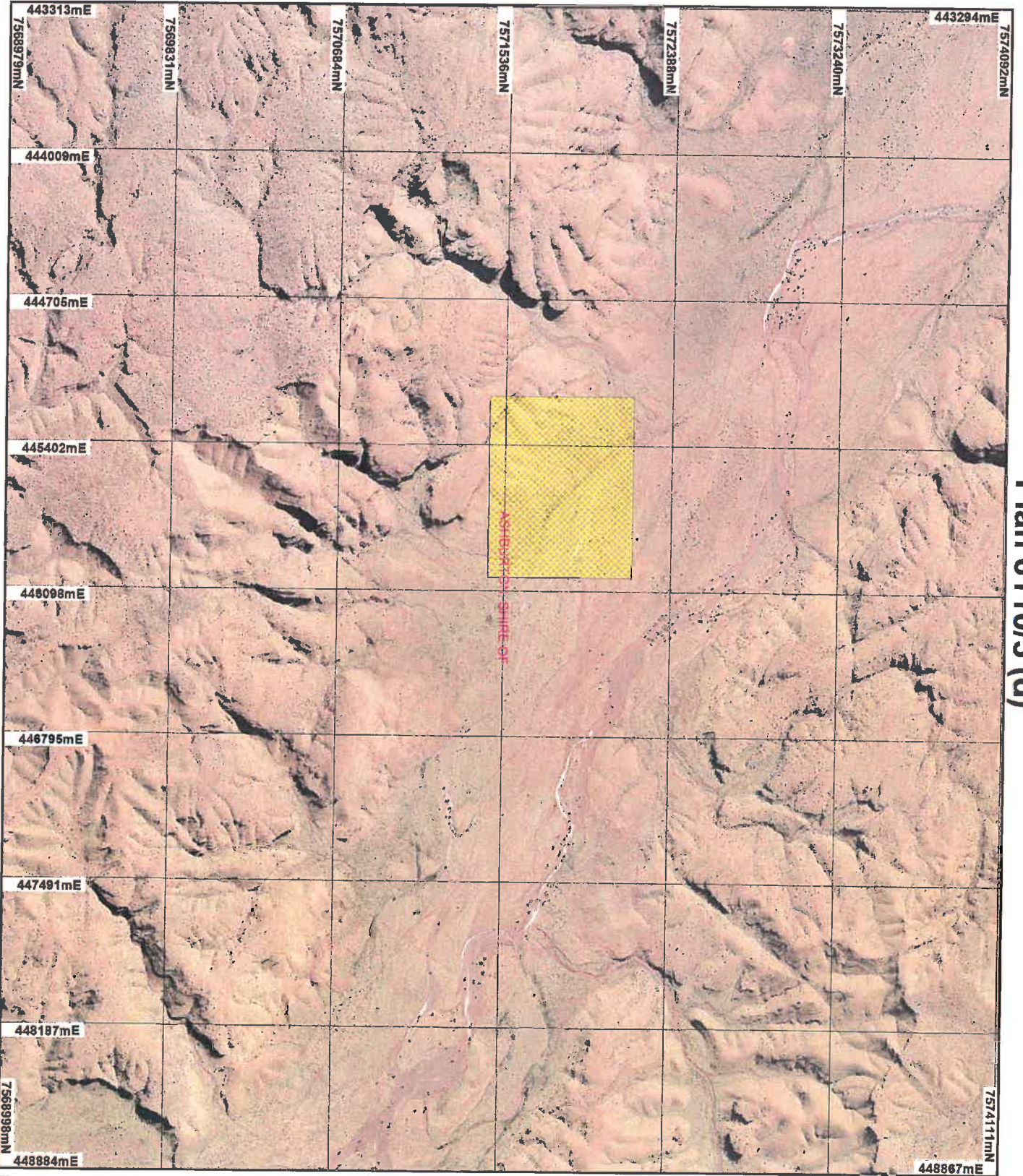
Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



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# Plan 6110/3 (d)



## LEGEND

- ☒ Local Government Authorities
- ☒ Road Centrelines
- ☒ Cadastre
- ☒ Clearing Instruments
- ☐ Areas Approved to Clear

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 750 m

Scale 1:25773

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been  
checked. This may result in geometric  
distortion or measurement inaccuracies.

*MB*

Date 29/06/2018

Matthew Garmann

Officer with delegated authority under Section 20 of

the Environmental Protection Act 1986

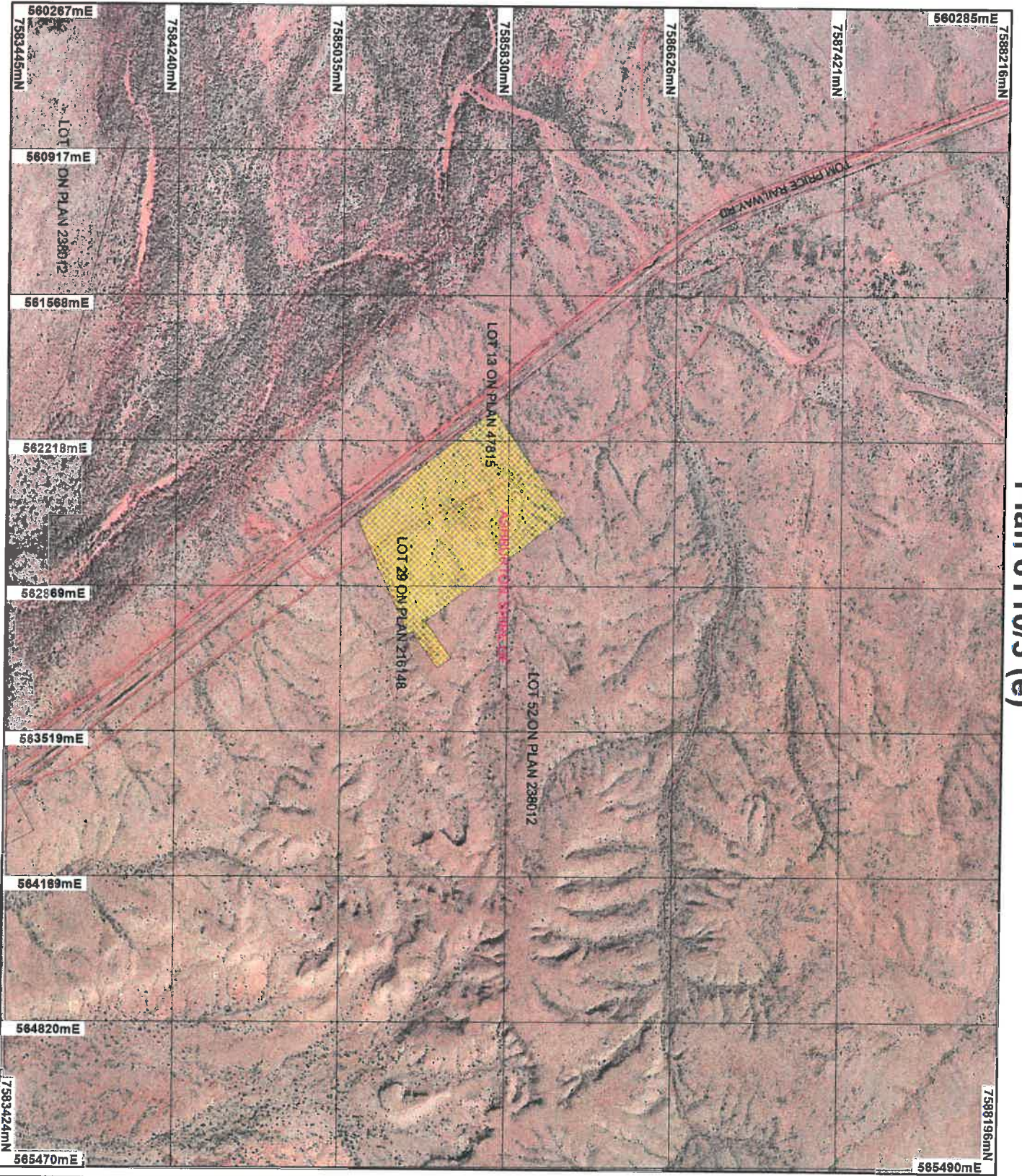
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# Plan 6110/3 (e)



## LEGEND

- Local Government Authorities
- / Road Centrelines
- Cadastre
- Clearing Instruments
- Areas Approved to Clear
- Mount Bluff 1:4m Orthomosaic - Landgate 2000

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 625 m

Scale 1:24062

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

*MB* Date: 29/06/2018

Matthew Garraway

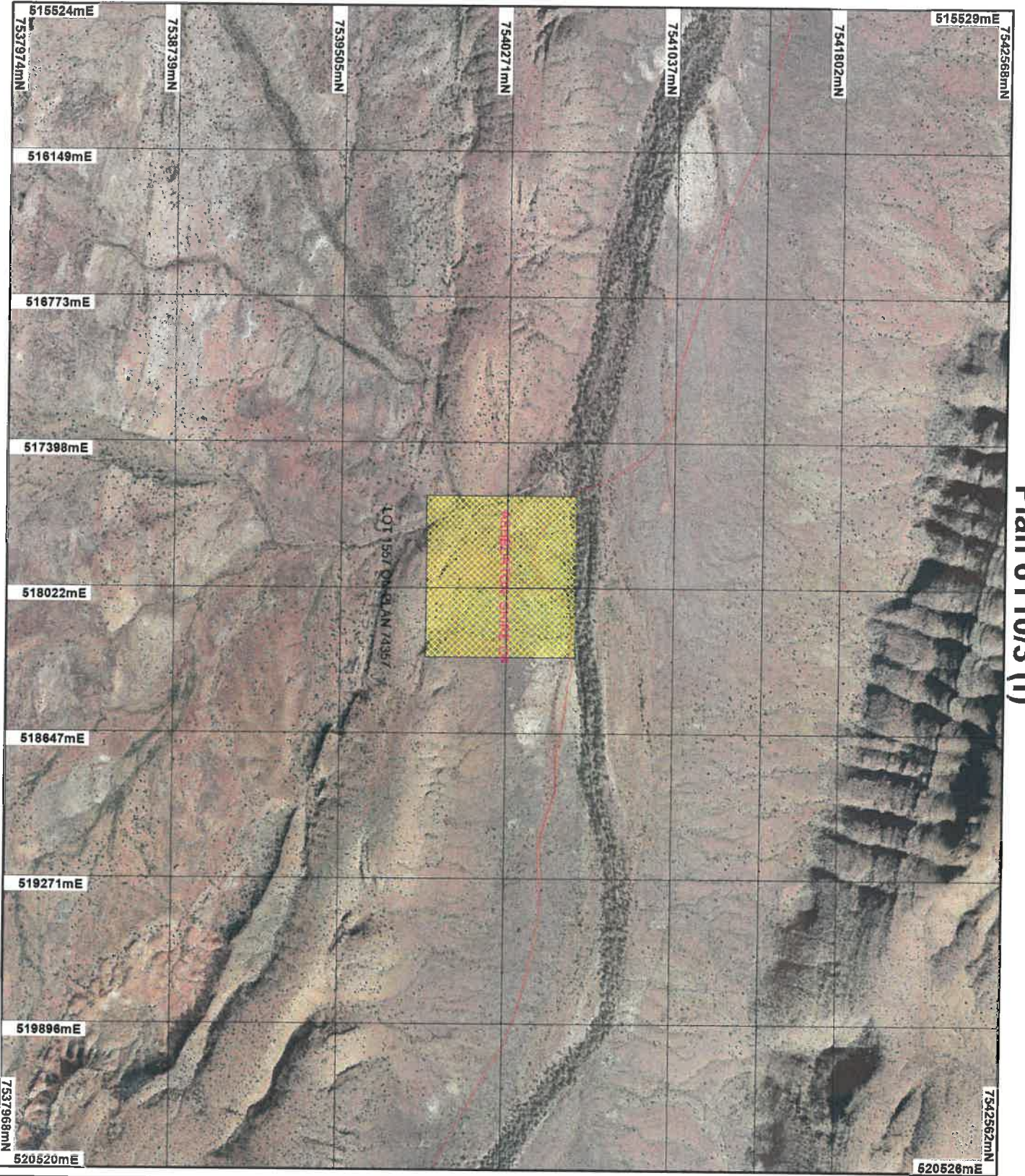
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Information derived from this map should be confirmed with the data custodian or knowledge by the agency acronym in the legend.



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# Plan 6110/3 (f)



## LEGEND

- ☒ Local Government Authorities
- ☒ Road Centrelines
- ☐ Cadastre
- ☐ Clearing Instruments
- ☐ Areas Approved to Clear
- ☐ Jeerimah 50cm Orthomosaic - Landgate 2004

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 525 m

Scale 1:23133  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or its subsequent inaccuracies.

Matthew Gernawoy Date 29/05/2018

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986  
Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



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- ☒ Local Government Authorities
- ☒ Road Centrelines
- ☐ Cadastre
- ☐ Clearing Instruments
- ☐ Areas Approved to Clear

Morae 50cm Orthomosaic - Landgate 2004

 $\Rightarrow$ 

Scale 1:58363

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

**Note:** the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Mathew Gambleway Date 29/06/2019

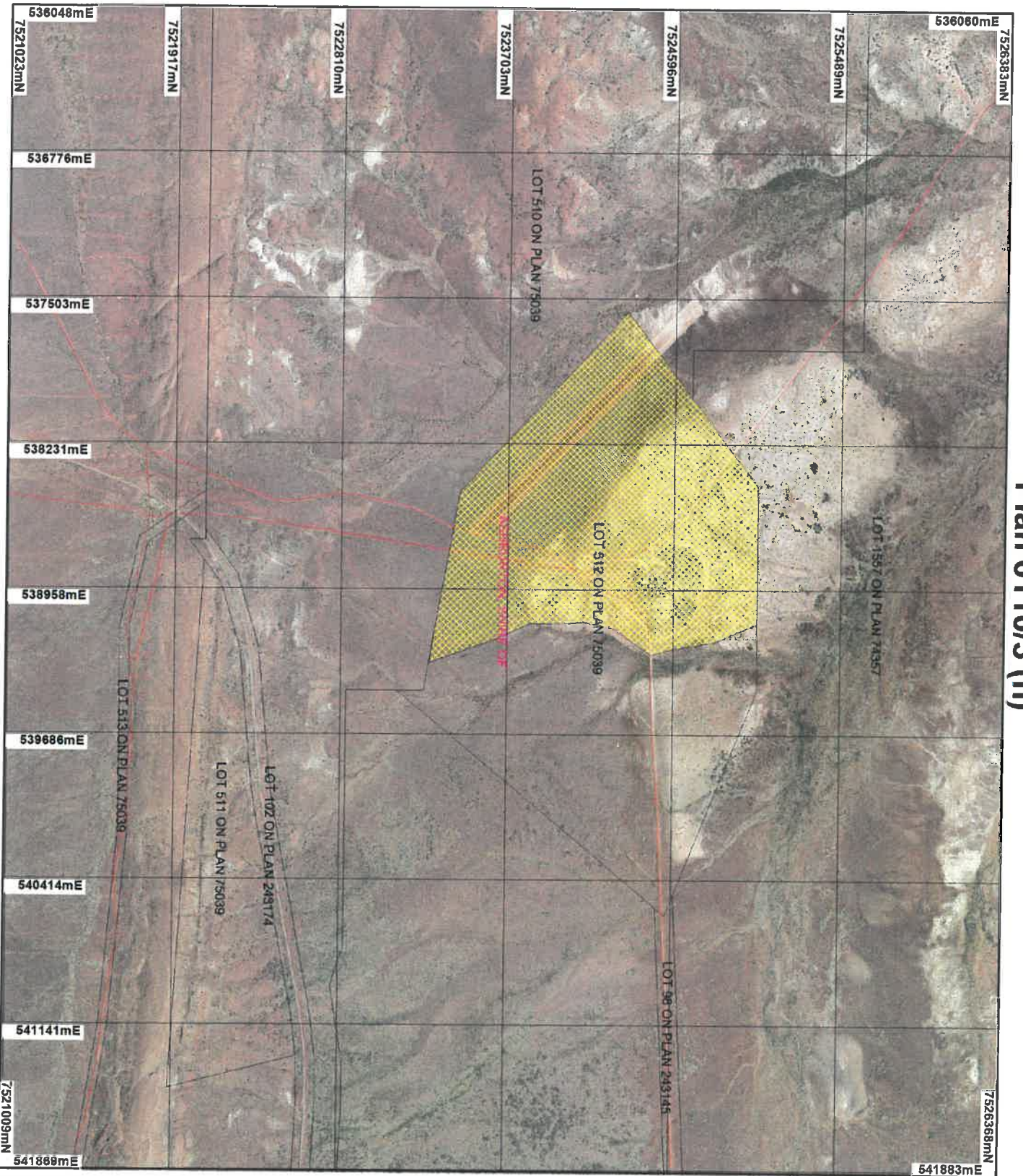
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# Plan 6110/3 (h)



## LEGEND

- Local Government Authorities
- / Road Centrelines
- Cadastre
- Clearing Instruments
- Areas Approved to Clear
- Jeerinah 5km Orthomosaic - Landgate 2004

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 750 m

Scale 1:26958

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

*MB* Date: 29/04/2016

Matthew Gambley

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

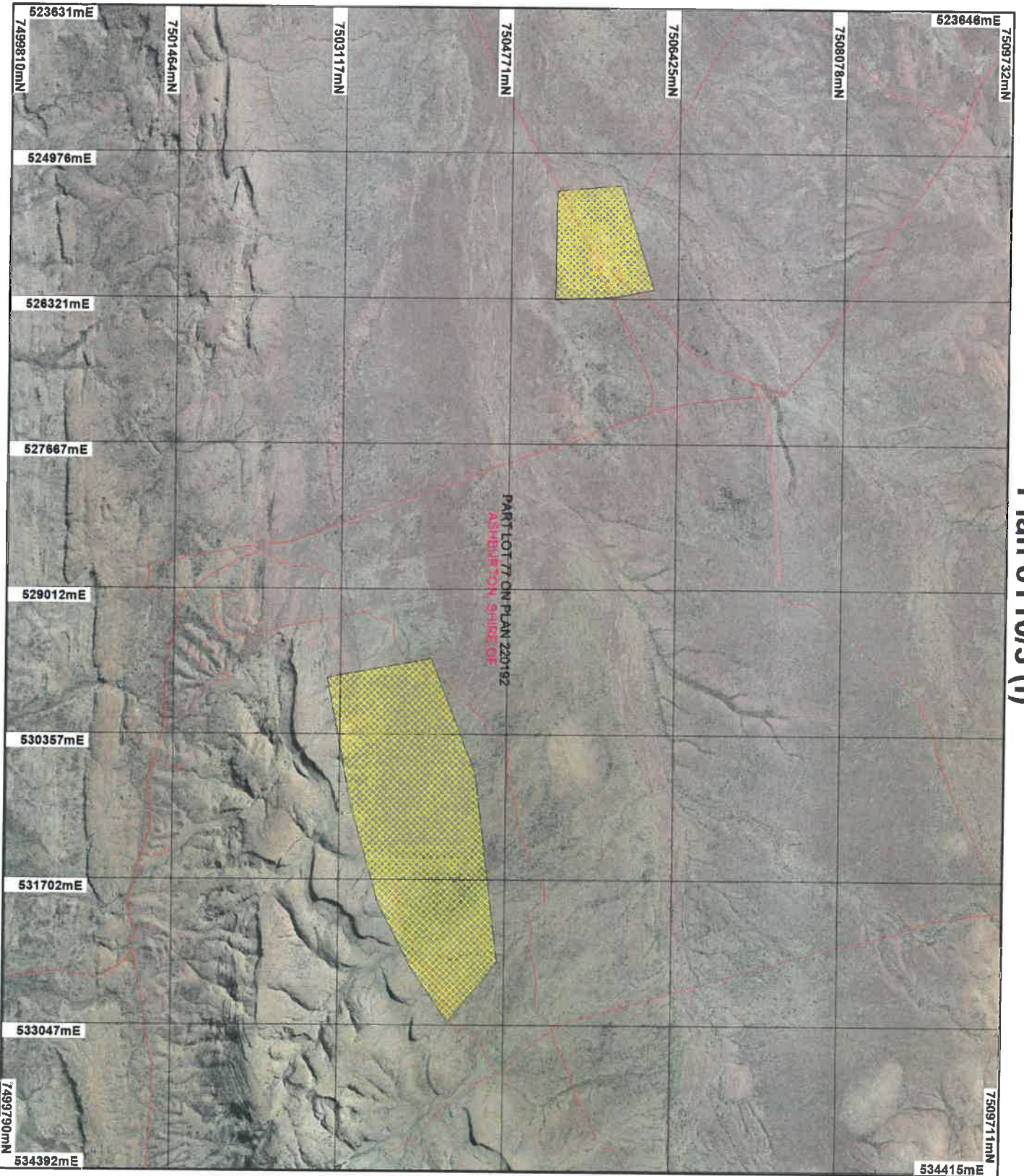
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# Plan 6110/3 (i)



## LEGEND

- Local Government Authorities
- Road Centrelines
- Cadastre
- Clearing Instruments
- Areas Approved to Clear
- Rocklea 50cm Orthomosaic - Landgate 2004

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 ——— 1.25 km

Scale 1:49892

(Approximate when reproduced at A4)

Geocentric Datum Australia 1984

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Matthew Gambleway Date 29/3/2018

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

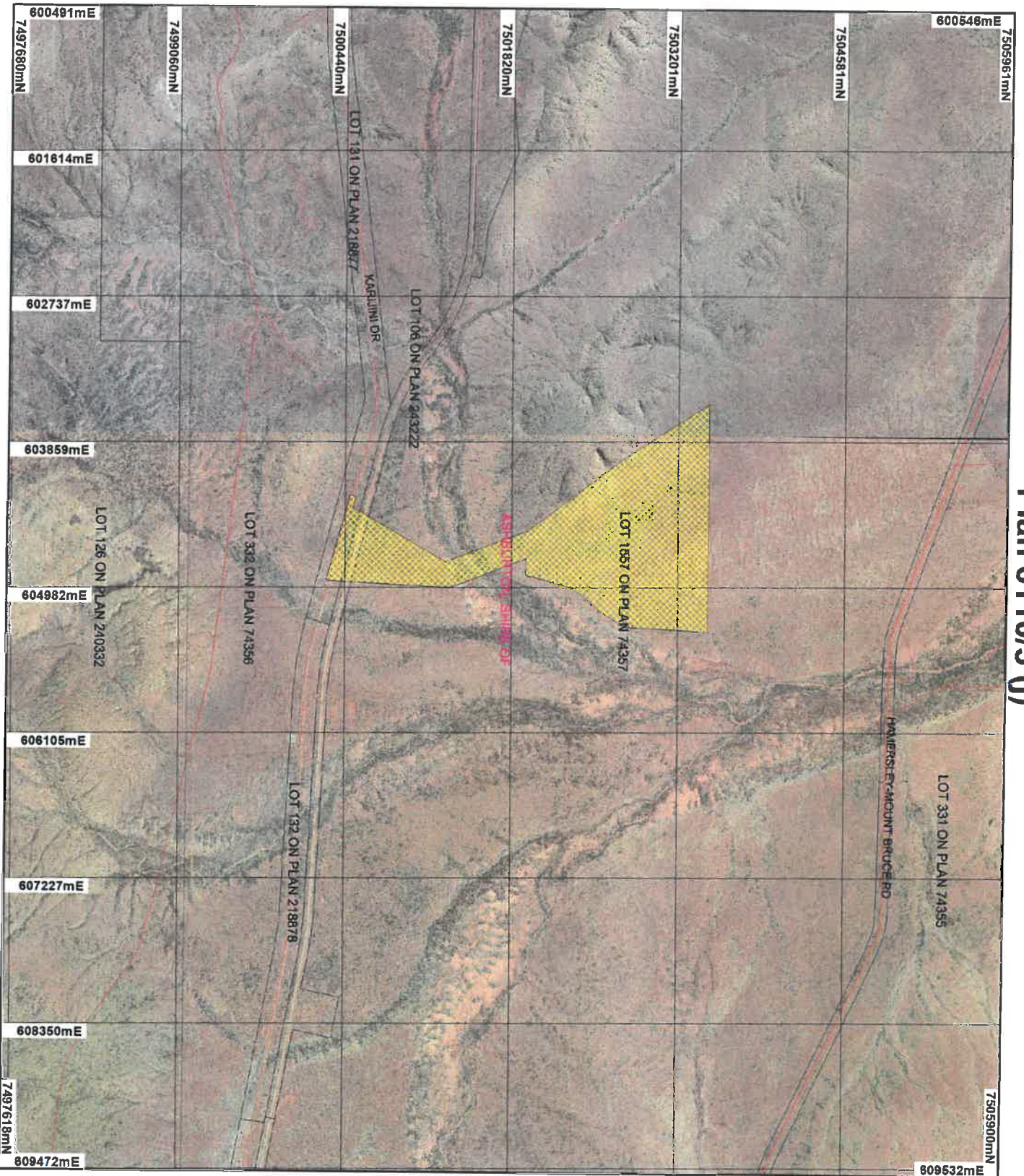
Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



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# Plan 6110/3 (j)



## LEGEND

- Local Government Authorities
- / Road Centrelines
- Cadastre
- Clearing Instruments
- Areas Approved to Clear
- Mount Bruce 50cm Orthomosaic - Landsat 2004
- Mount Bruce 50cm Orthomosaic - Landsat 2004

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 1 km

Scale 1:41635  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been  
projected. This may result in geometric  
distortion or measurement inaccuracies.

*Matthew Gernikow* Date: 29/06/2015

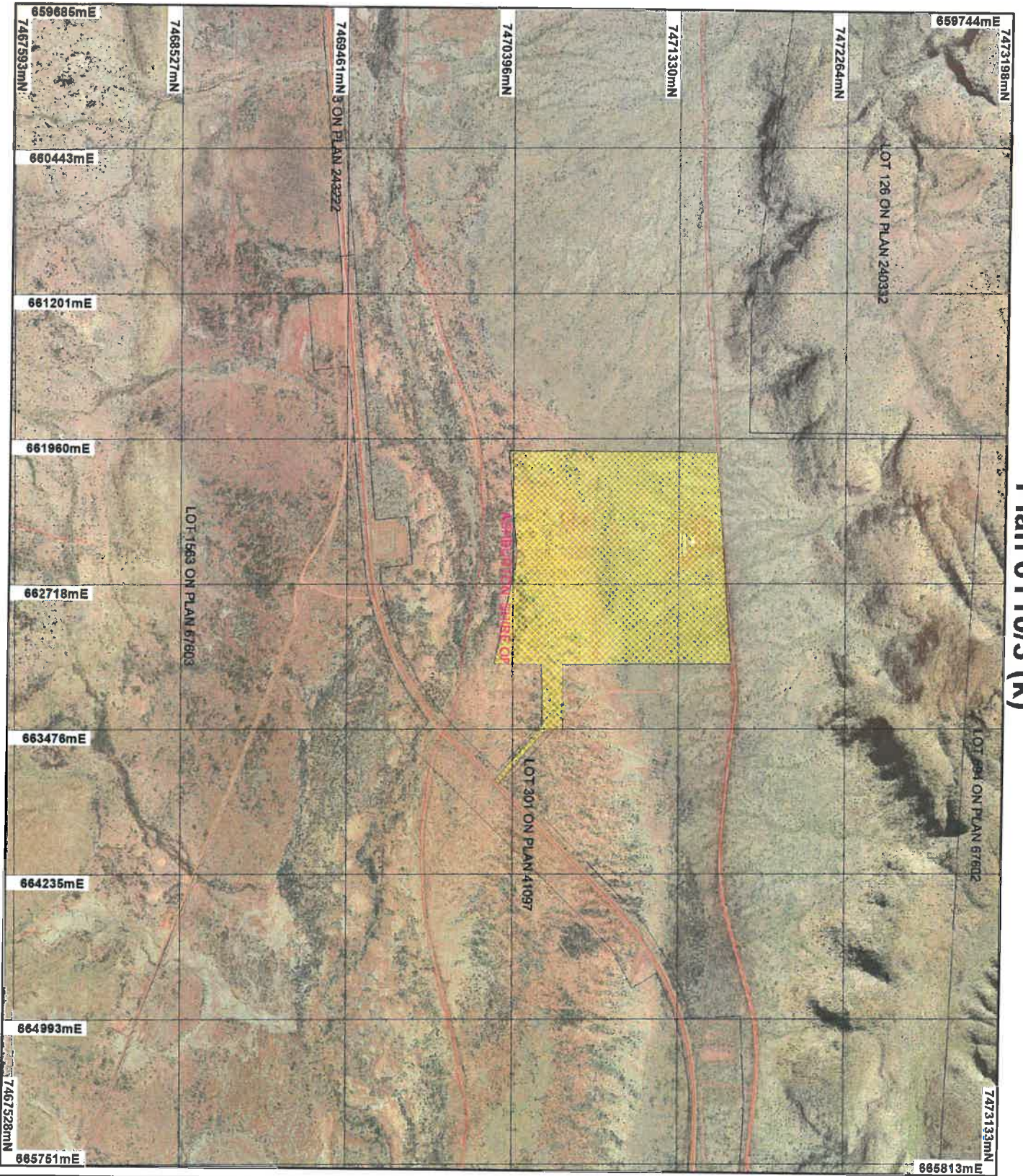
Officer with delegated authority under Section 20 of  
the Environmental Protection Act 1988  
Information derived from this map should be  
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# Plan 6110/3 (k)



## LEGEND

- Local Government Authorities
- / Road Centrelines
- Cadastral
- Clearing Instruments
- Areas Approved to Clear
- Munjinna 50cm Orthomosaic - Landgate 2004

\* Project Date is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 ————— 750 m

Scale 1:28144

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

*Matthew Gammon* Date: 29/06/2018

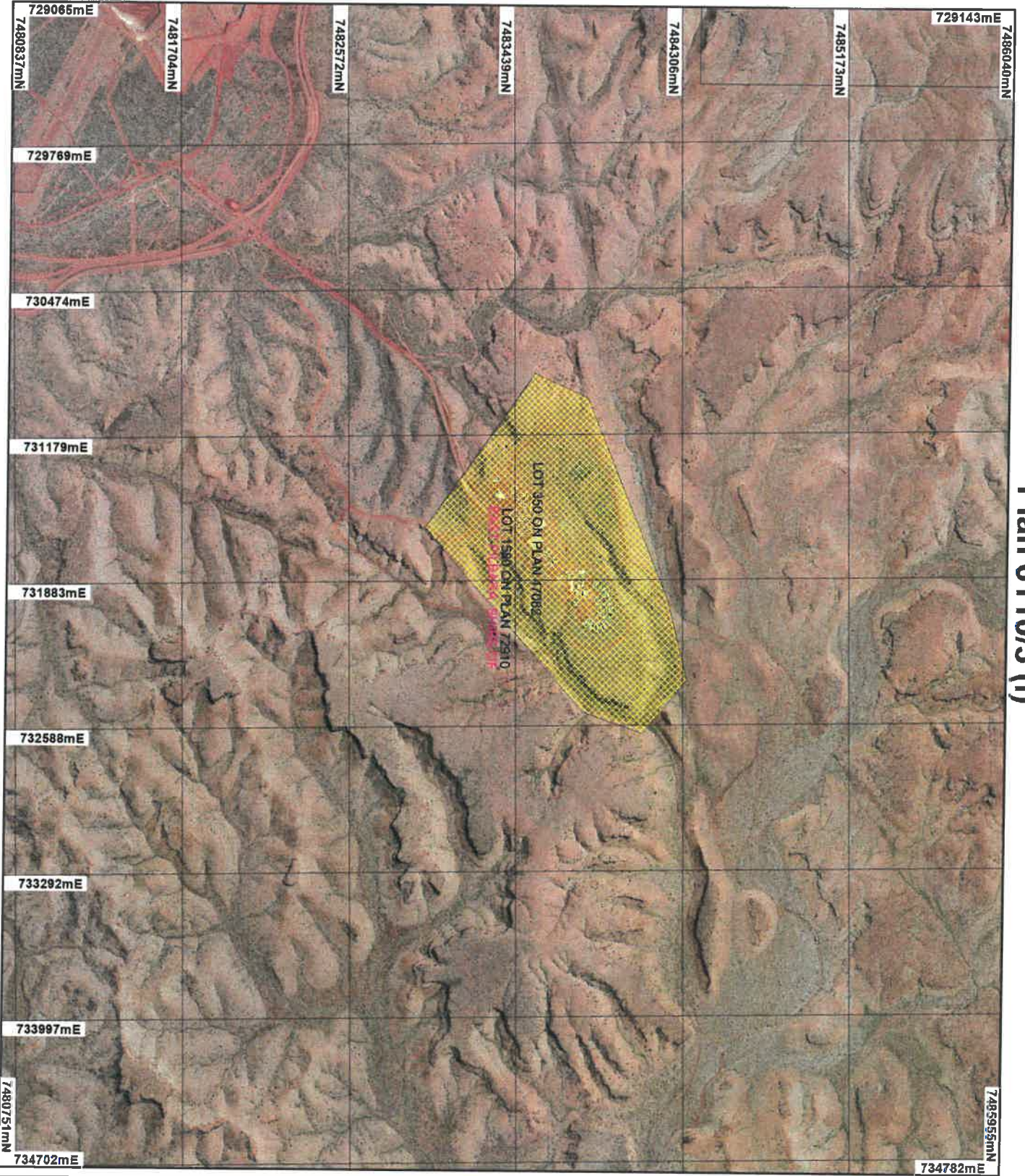
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# Plan 6110/3 (I)



## LEGEND

- ☐ Local Government Authorities
- ☒ Road Centrelines
- ☐ Cadastre
- ☐ Clearing Instruments
- ☐ Areas Approved to Clear
- ☐ Weell Woolli 50cm Orthomosaic - Landgate 2004

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 750 m

Scale 1:26132

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: The data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Matthew Gannaway Date 29/04/2016

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

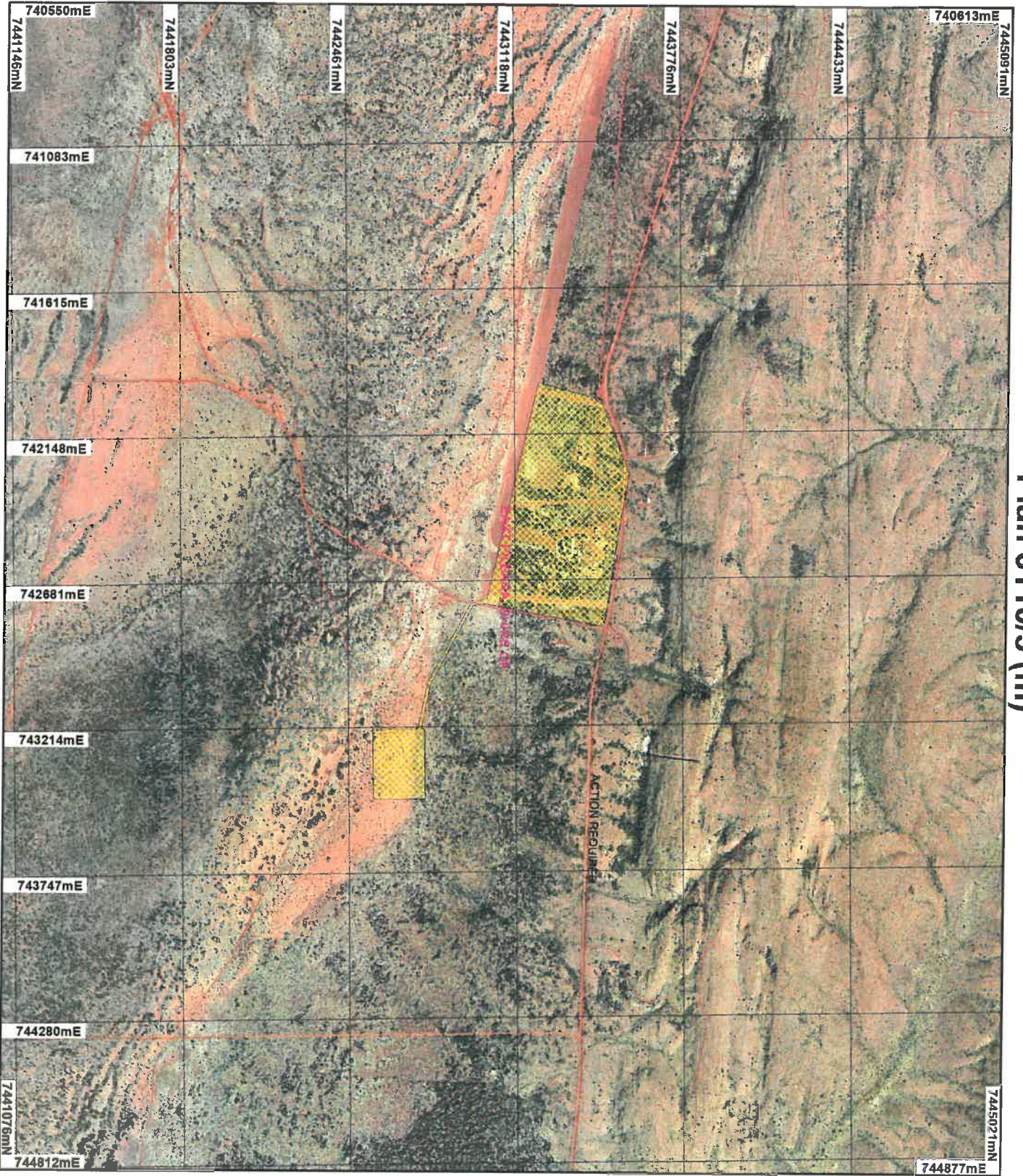
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# Plan 6110/3 (m)



## LEGEND

- ☒ Local Government Authorities
- ☒ Road Centrelines
- ☐ Cadastre
- ☐ Clearing Instruments
- ☐ Areas Approved to Clear
- ☐ Ophthelma 50cm Orthomosaic - Landgate 2004

\* Project Data is denoted by asterisk.  
This data has not been quality assured.  
Please contact map author for details.



0 500 m

Scale 1:19784  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

*Mathew Garmaw* Date: 29/06/2019

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

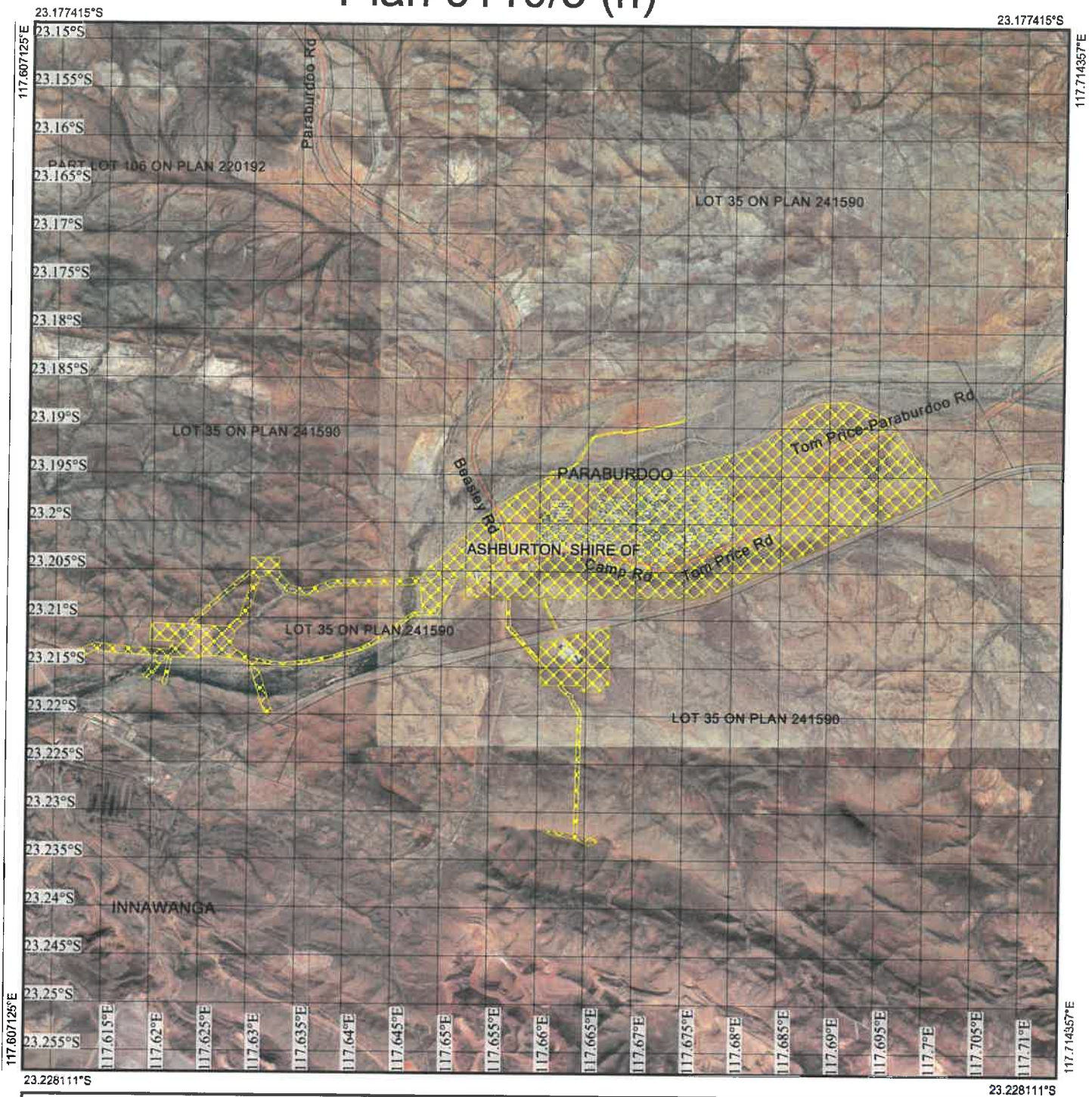
Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.







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# Plan 6110/3 (n)



## Legend

-  Imagery
-  Localities
-  Clearing Instruments Activities
-  Local Government Authority



1:58,142

(Approximate when reproduced at A4)

GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

 Date 29/01/2018

Mathew Gannaway

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986



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# Clearing Permit Decision Report

## 1. Application details

### 1.1. Permit application details

Permit application No.: 6110/3  
Permit type: Purpose Permit

### 1.2. Applicant details

Applicant's name: Pilbara Iron Company (Services) Pty Ltd  
Application received date: 30 January 2018

### 1.3. Property details

Property: Clearing authorised under this Permit is to be undertaken within land tenure or rights administered under the Mining Act 1904 (WA), Mining Act 1978 (WA), Land Act 1933 (WA), Land Administration Act 1997 (WA), Property Law Act 1969 (WA), Transfer of Land Act 1893 (WA), Strata Titles Act 1985 (WA), the Rights in Water and Irrigation Act 1914 (WA), the Water Corporation Act 1995 (WA), the Water Agencies (Powers) Act 1984 (WA) or the following State Agreement Acts –

- Iron Ore (Hamersley Range) Agreement Act 1963
- Iron Ore (Robe River) Agreement Act 1964
- Iron Ore (Hamersley Range) Agreement Act 1968 (Paraburdoo)
- Iron Ore (Mount Bruce) Agreement Act 1972
- Iron Ore (Channar Joint Venture) Agreement Act 1987
- Iron Ore (Hope Downs) Agreement Act 1992
- Iron Ore (Yandicoogina) Agreement Act 1996
- Karijini Drive Road reserve (Lot 106 on Plan 218877)

Local Government Authority: Ashburton, Shire of and East Pilbara, Shire of and Karratha, City of  
Localities: Maitland and Dampier and Juna Downs and Newman and Mount Sheila and Rocklea and Fortescue and Burrup and Chichester and Paraburdoo and Pannawonica and Hamersley Range and Cooya Pooya and Dampier Archipelago

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	Purpose category:
53		Mechanical Removal	Building or structure

### 1.5. Decision on application

Decision on Permit Application: Granted  
Decision Date: 29 June 2018  
Reasons for Decision: The clearing permit application has been assessed against the clearing principles, planning instruments and other matters in accordance with section 51O of the *Environmental Protection Act 1986*, and has concluded that the findings from the previous assessment for CPS 6110/2 are still relevant.

The Delegated Officer decided to grant clearing permit 6110/3 subject to avoid/minimise, weed control management, flora management, fauna management and vegetation management conditions.

## 2. Site Information

### Clearing Description

The amended application is for 53 hectares of native vegetation within various properties, road reserves and unallocated Crown land, within the Shires of Ashburton, City of Karratha and Shire of East Pilbara, for the purpose of constructing town and camp infrastructure and associated works.

### Vegetation Description

The application area is mapped as Beard vegetation associations:

- 117: Hummock grasslands, grass steppe; soft spinifex;
- 152: Hummock grasslands, grass steppe; soft and hard spinifex soft spinifex;
- 173: Hummock grasslands, low tree steppe; snappy gum over soft spinifex and *Triodia brizoides*;
- 607: Hummock grasslands, low tree steppe; snappy gum and bloodwood over soft spinifex and *Triodia wiseana*;
- 82: Hummock grasslands, low tree steppe; snappy gum over *Triodia wiseana*;
- 565: Hummock grasslands, low tree steppe; bloodwood over soft spinifex;
- 29: Sparse low woodland; mulga, discontinuous in scattered groups;
- 18: Low woodland; mulga (*Acacia aneura*);



- 567: Hummock grasslands, shrub steppe; mulga and kanji over soft spinifex and *Triodia basedowii*; and
- 181: Shrublands; mulga and snakewood scrub (Shepherd et al, 2001).

#### Vegetation Condition

Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)

To

Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)

The condition of the vegetation was determined via aerial imagery, previous environmental assessments undertaken by the former Department of Mines and Petroleum and the former Department of Environment Regulation, and flora survey's undertaken by Mattiske Consulting Pty Ltd (2011) and Rio Tinto (2017).

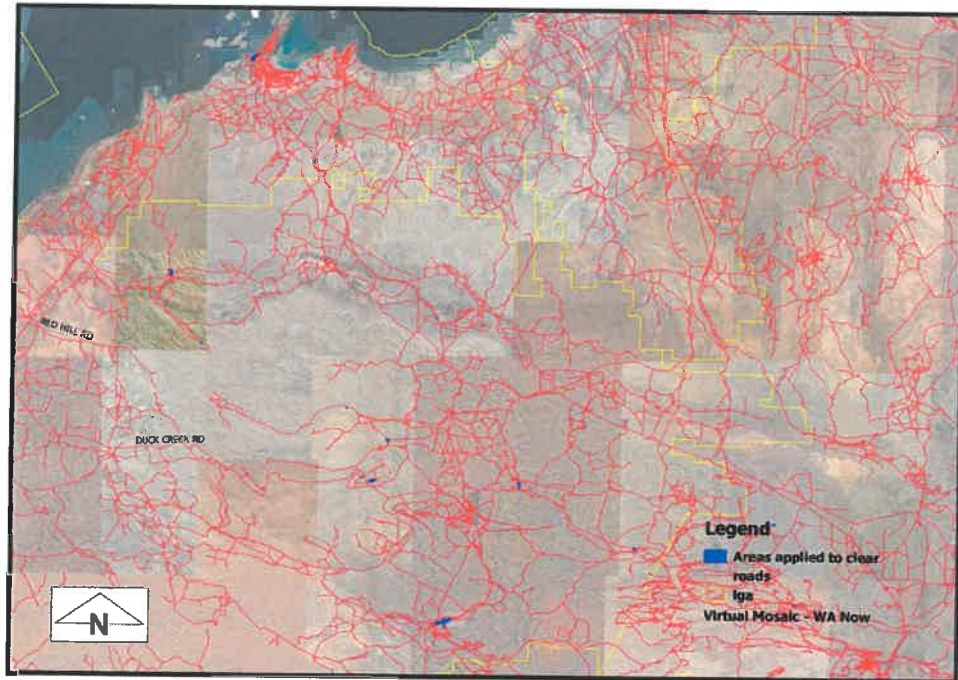


Figure 1: Application area

### 3. Assessment of application against clearing principles

The proponent has applied to amend clearing permit CPS 6110/2, requesting to extend the permit duration until 31 December 2024, amend Condition 10(c), amend the clearing footprint and increase the size of clearing by three hectares, to a total of 53 hectares. The additional three hectares proposed for clearing is required to construct an additional water pipeline between Paraburdoo town tanks and Paraburdoo Township (Rio Tinto, 2017).

A flora survey undertaken by Rio Tinto in December 2017 of the additional area of three hectares (Plan CPS 6110/3 (n)) revealed that no priority or threatened ecological communities and no rare or priority flora occur within this portion of the application area (Rio Tinto, 2017).

A review of current environmental information reveals no other additional information. Therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Reports CPS 6110/1 and CPS 6110/2.

#### Planning instruments and other relevant matters

A review of the annual reports submitted to the Department of Water and Environmental Regulation (DWER) was conducted for previous versions of CPS 6110/3. It was determined following this investigation that a total of 0.2 hectares of clearing has been undertaken to date under CPS 6110/2.

The assessment against Planning and Other Matters has not changed and can be found in Decision Report CPS 6110/1 and CPS 6110/2.

The clearing permit application was advertised on the DWER website on 23 February 2018 with a 21 day submission period. No public submissions have been received in relation to this application.



#### 4. References

- Keighery, B.J. (1994) Bushland Plant Survey: Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Mattiske Consulting Pty Ltd (2011) Flora and Vegetation Survey of Turee Syncline Area. Prepared for Rio Tinto. Perth, Western Australia (DWER Ref: A1688012).
- Rio Tinto (2017) Flora Vegetation and Fauna Habitat Assessment Paraburdoo Additional Water Pipeline. Native Vegetation Clearing Permit – Supporting Report. December 2017. Perth, Western Australia (DWER Ref: A1603548).
- Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.