



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number: CPS 5111/3
Permit Holder: Reward Minerals Limited
Duration of Permit: 14 September 2012 – 14 September 2017

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

1. Purpose for which clearing may be done

Clearing for the purpose of access tracks, helipad, laydown, camp site and three borrow pits.

2. Land on which clearing is to be done

Unallocated Crown land, TELFER 6762 (PIN 1011653)
Lot 333 on Deposited Plan 55302, GIBSON DESERT NORTH 0872
Unallocated Crown land, GIBSON DESERT SOUTH 0872 (PIN 1011672)

3. Area of Clearing

The Permit Holder must not clear more than 32.5 hectares of native vegetation within the area shaded yellow on attached Plan 5111/3a and Plan 5111/3b and Plan 5111/3c and Plan 5111/3d and Plan 5111/3e and Plan 5111/3f and Plan 5111/3g.

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.

5. Avoid, minimise etc 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.

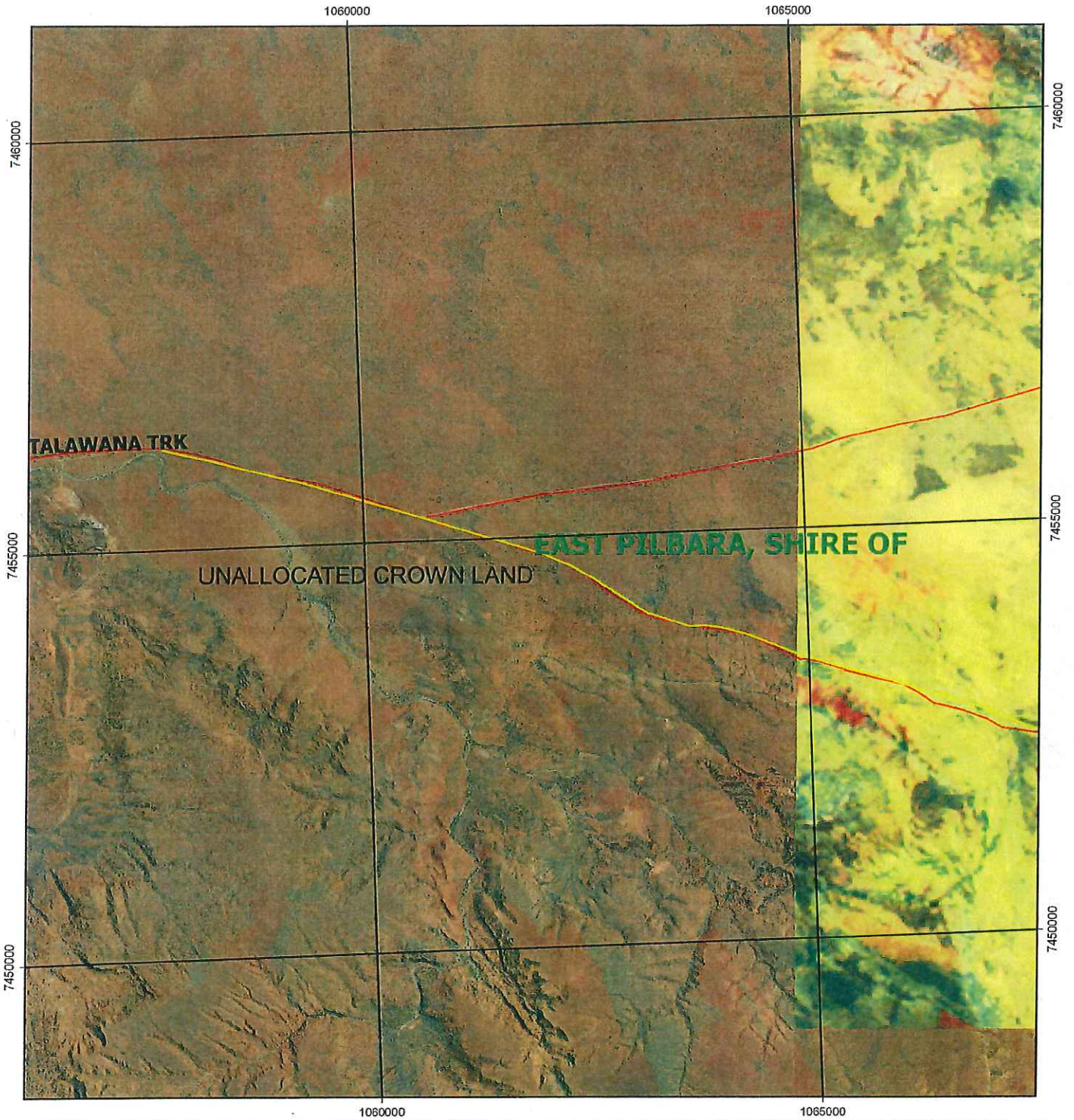
A handwritten signature in black ink, appearing to read "J Widenbar".

J Widenbar
A/SENIOR MANAGER
CLEARING REGULATION




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

16 May 2016

Plan 5111/3a



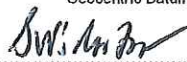
Legend

-  LGA
 -  Cadastre
 -  Areas approved to clear
 -  Roads
- Virtual Mosaic (LGATE-V001)



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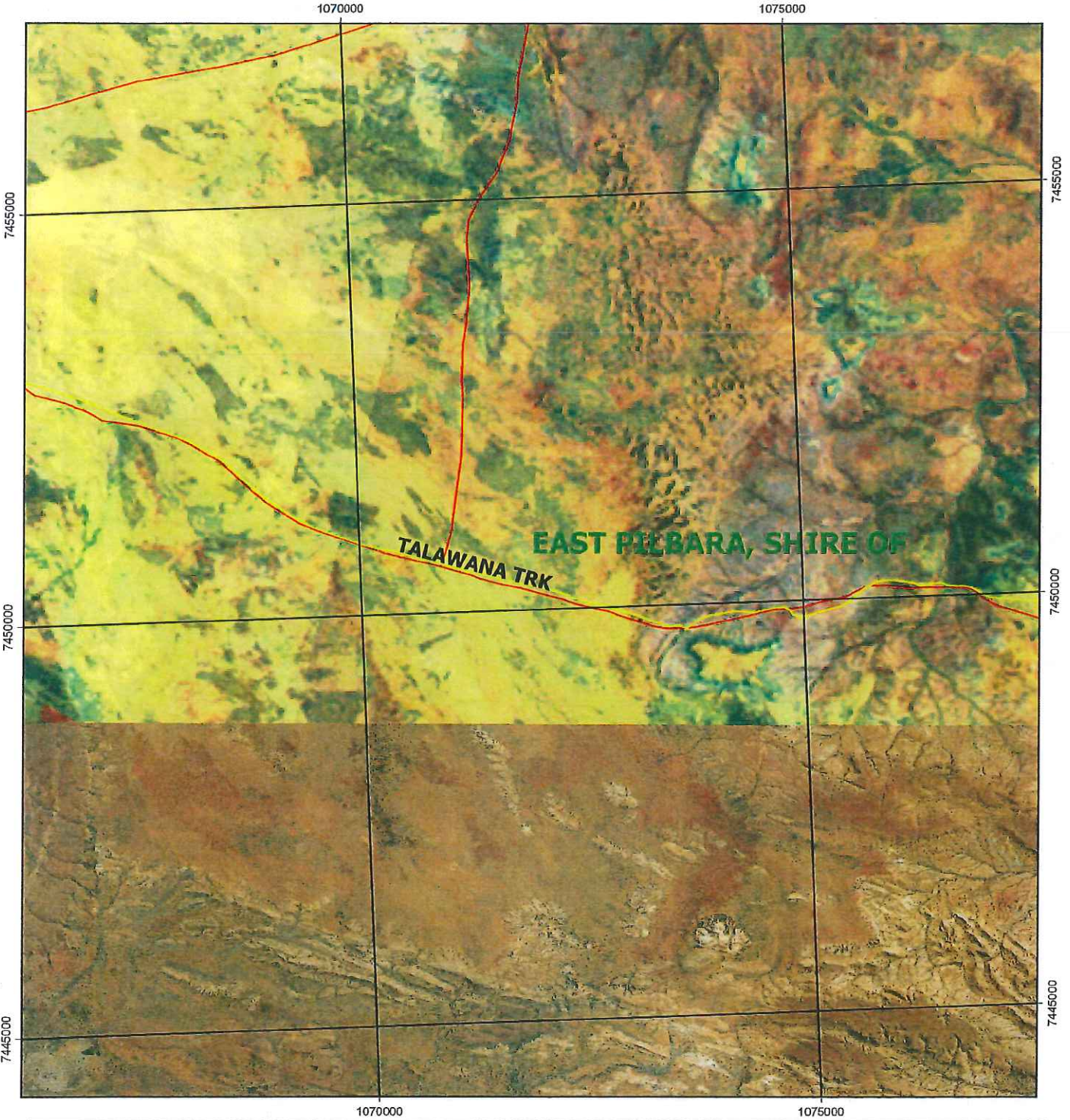
MGA94
Geocentric Datum of Australia 1994

 Date 16/5/2016
James Widenbar

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



Plan 5111/3b



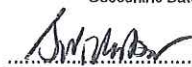
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-  LGA
 -  Cadastre
 -  Areas approved to clear
 -  Roads
- Virtual Mosaic (LGATE-V001)



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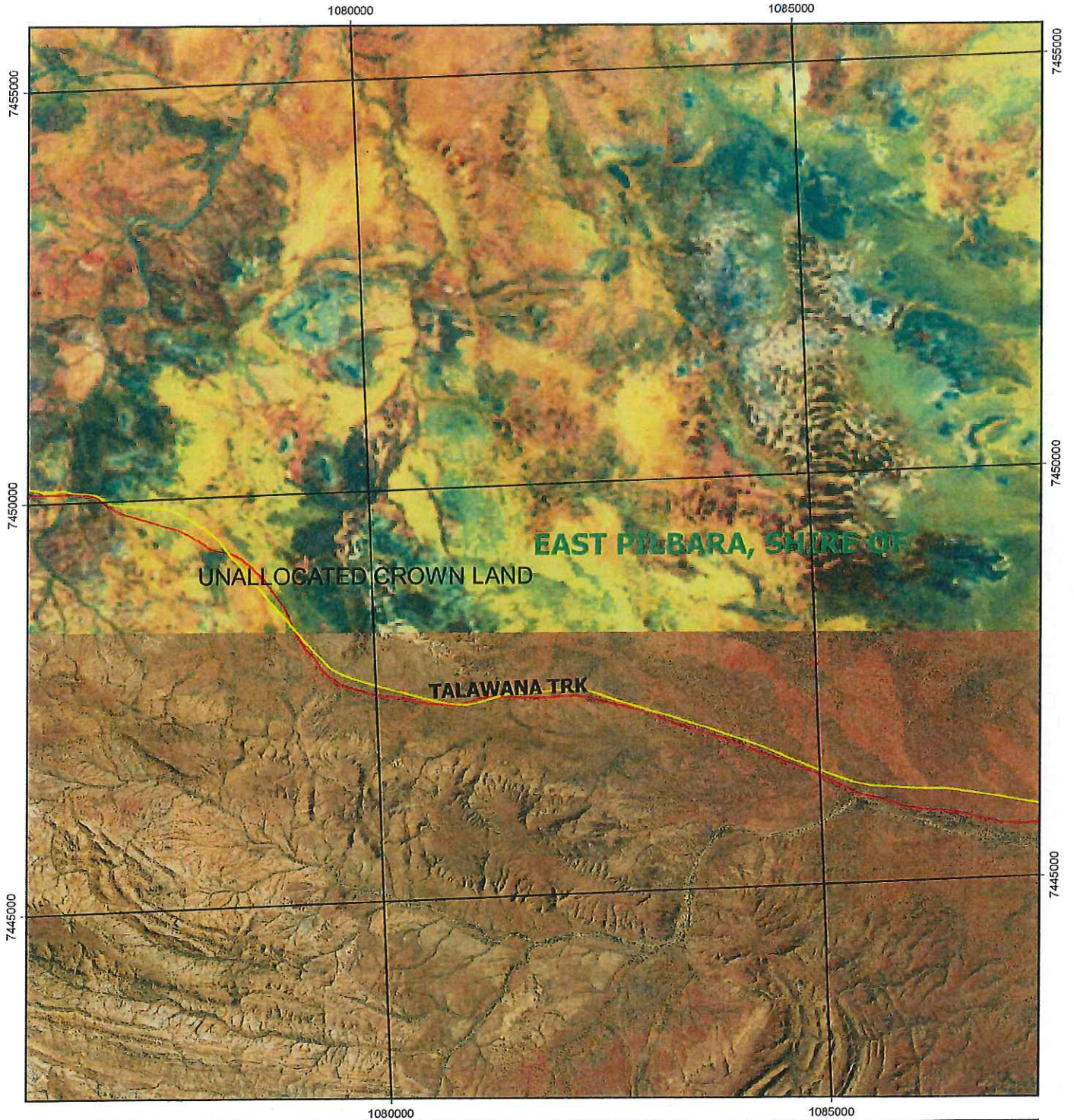
MGA 94
Geocentric Datum of Australia 1994

 Date 16/5/2016
James Widenbar





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



Plan 5111/3c



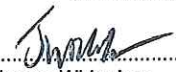
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-  LGA
 -  Cadastre
 -  Areas approved to clear
 -  Roads
- Virtual Mosaic (LGATE-V001)



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MGA 94
Geocentric Datum of Australia 1994

 Date: 16/5/2014
James Widenbar

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



Plan 5111/3d

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EAST PILBARA, SHIRE OF

UNALLOCATED CROWN LAND

TALAWANA TRK

Legend

 LGA

 Cadastre

 Areas approved to clear

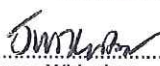
 Roads

Virtual Mosaic (LGATE-V001)



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MGA 94
Geocentric Datum of Australia 1994

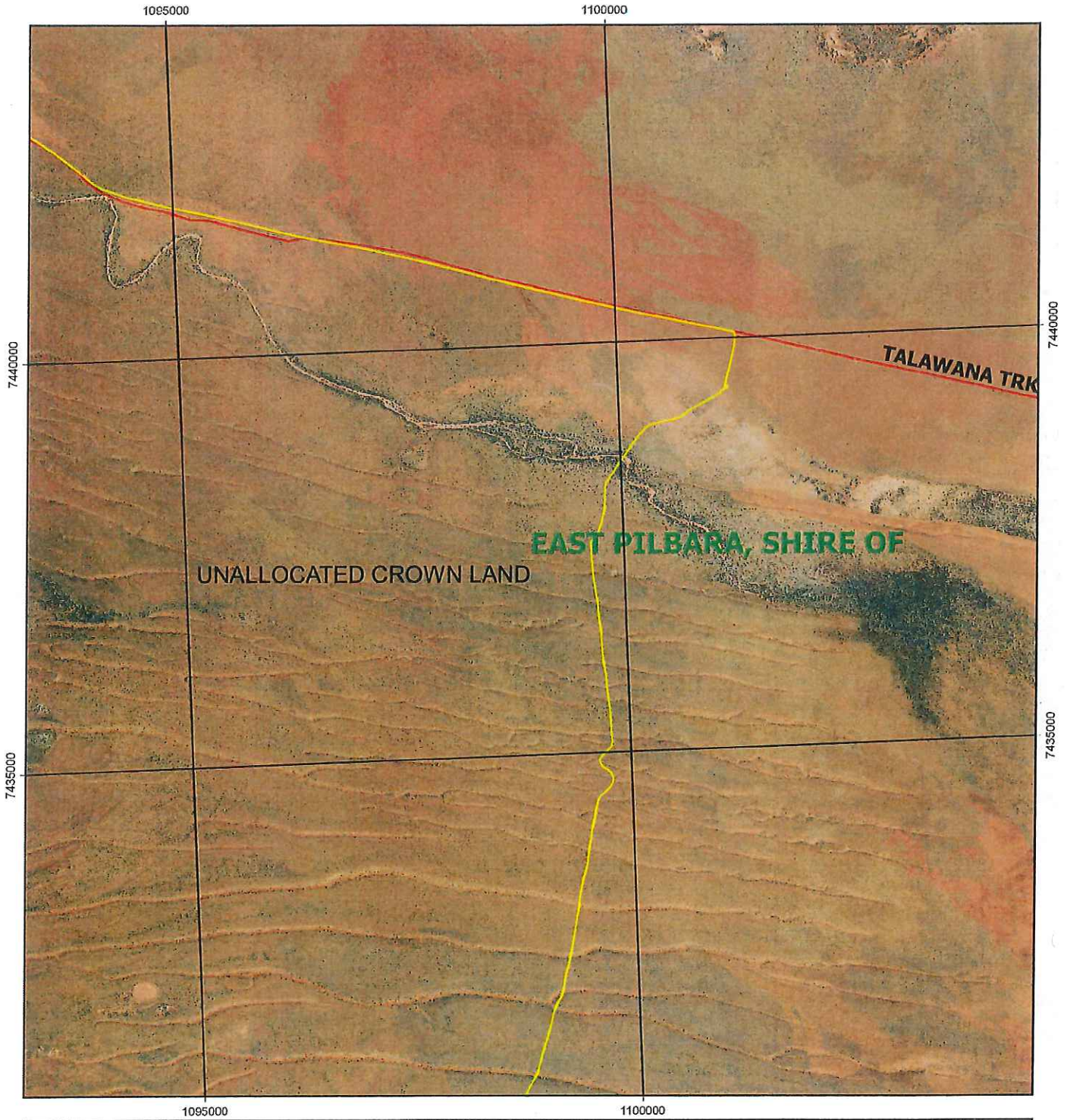
 Date 16/5/2016
James Widenbar

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



GOVERNMENT OF
WESTERN AUSTRALIA

Plan 5111/3e



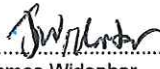
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-  LGA
 -  Cadastre
 -  Areas approved to clear
 -  Roads
- Virtual Mosaic (LGATE-V001)



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MGA 94
Geocentric Datum of Australia 1994

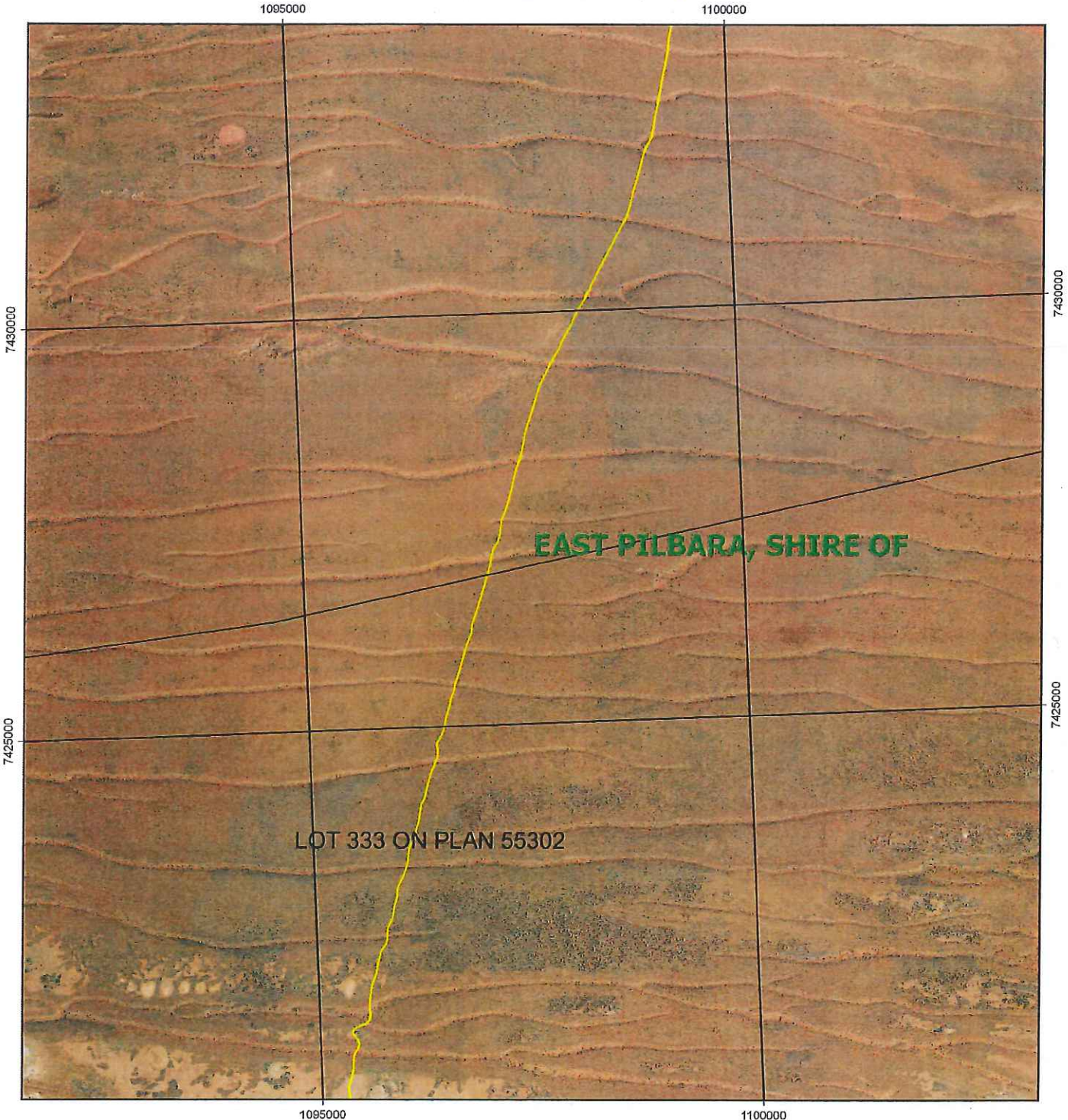
 Date: 26/5/2016
James Widenbar

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



GOVERNMENT OF
WESTERN AUSTRALIA


Plan 5111/3f



Legend

 LGA


 Cadastre

 Areas approved to clear
Virtual Mosaic (LGATE-V001)



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MGA 94
Geocentric Datum of Australia 1994

Date... 16/5/2016
James Widenbar

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

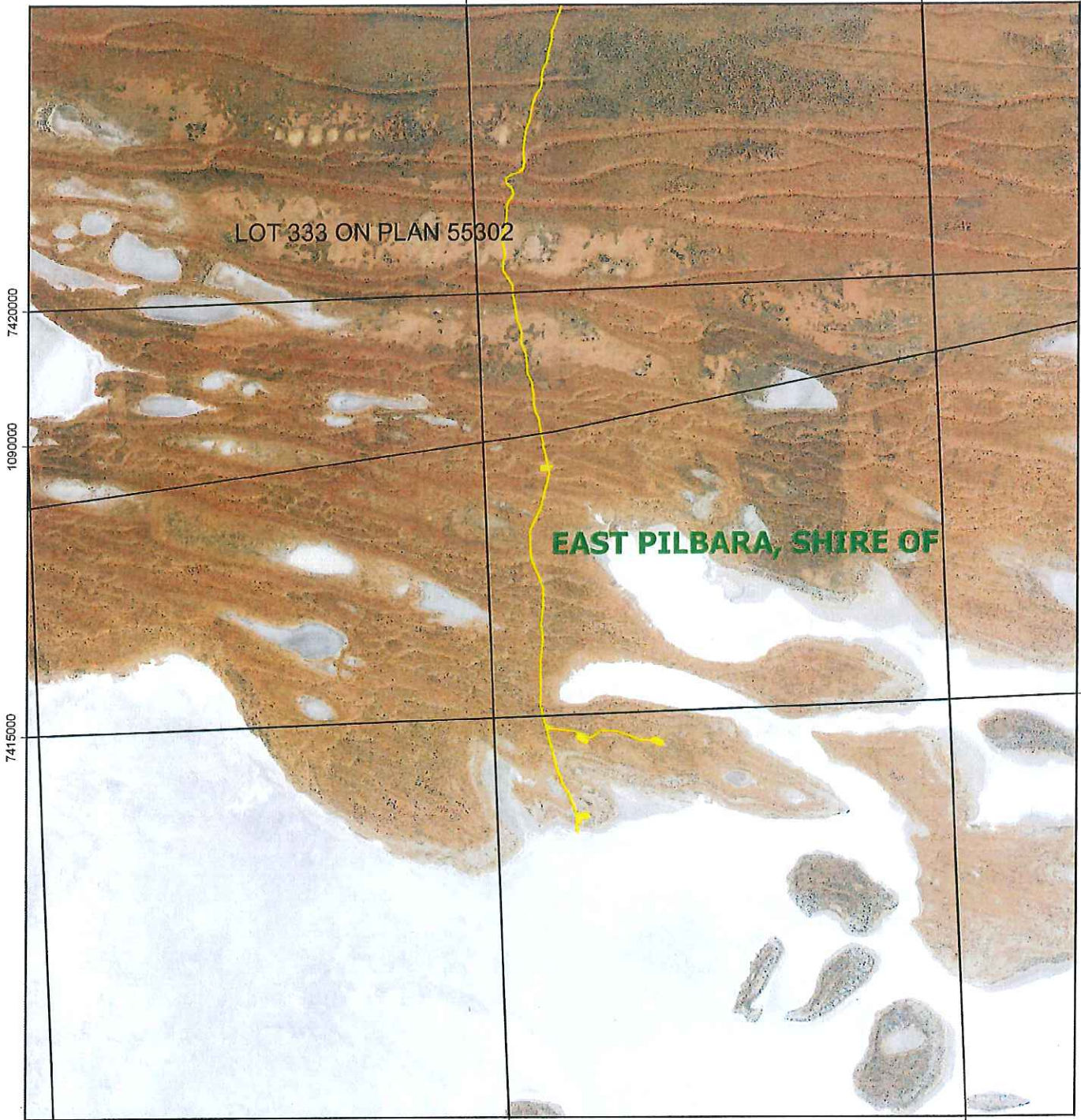


GOVERNMENT OF
WESTERN AUSTRALIA

Plan 5111/3g

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

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Legend

-  LGA
-  Cadastre
-  Areas approved to clear
Virtual Mosaic (LGATE-V001)



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MGA 94
Geocentric Datum of Australia 1994

James Widenbar Date: *16/5/2016*
James Widenbar

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





1. Application details

1.1. Permit application details

Permit application No.: 5111/3
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: Reward Minerals Ltd

1.3. Property details

Property: UNALLOCATED CROWN LAND (TELFER 6762)
LOT 333 ON DEPOSITED PLAN 55302 (GIBSON DESERT NORTH 0872)
UNALLOCATED CROWN LAND (GIBSON DESERT SOUTH 0872)
Local Government Area: Shire of East Pilbara
Colloquial name: Lake Disappointment Potash Project

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
32.5		Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Granted

Decision Date:

16 May 2016

Reasons for Decision:

The clearing application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the *Environmental Protection Act 1986*, and has concluded that the proposed clearing is at variance to Principle (f), is not at variance to principles (e) and (h) and is not likely to be at variance to any of the remaining clearing principles.

CPS 5111/2 was granted 14 January 2016, following a re-assessment of the environmental impacts and consideration of the management of the impacts to riparian vegetation associated with Lake Disappointment. A review of current environmental information reveals no new additional information.

2. Site Information

2.1. Existing environment and information

2.1.1. Description of the native vegetation under application

Vegetation Description	Clearing Description	Vegetation Condition	Comment
Beard vegetation association 125: Bare areas; salt lakes;	The application is to amend Clearing Permit CPS 5111/2 to extend the clearing footprint within Mining Lease M45/1227 by 0.7 hectares to include an additional laydown area (0.14 hectares), borrow pit extension (0.41 hectares) and intersection realignment (0.15 hectares), to facilitate the Lake Disappointment Potash Project.	Very Good; Vegetation structure altered; obvious signs of disturbance (Keighery, 1994). To	The description and condition of the vegetation under application was determined through aerial imagery and information provided in annual reports for CPS 5111/1. In October 2012 and April to October 2013 Botanica Consulting undertook a Level 1 and Level 2 flora and vegetation survey of the Lake Disappointment Potash Project area. The following eleven vegetation communities were identified within the application area: 1. Low scrub of <i>Acacia ligulata</i> / <i>Grevillea juncifolia</i> subsp. <i>juncifolia</i> over mid-dense hummock grass of <i>Triodia basedowii</i> 2. Open low woodland of <i>Corymbia opaca</i> over low scrub of <i>Acacia ligulata</i> / <i>Grevillea juncifolia</i> subsp. <i>juncifolia</i> and mid-dense hummock grass of <i>Triodia basedowii</i> on sand dunes.
Beard vegetation association 158: Hummock grasslands, shrub steppe; kanji over <i>Triodia basedowii</i> ;			
Beard vegetation association 134: Mosaic: Hummock grasslands, open low tree steppe; desert bloodwood and feathertop spinifex on sandhills / Hummock grasslands, shrub steppe; mixed shrubs over spinifex between sandhills;		Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994).	
Beard vegetation association 99: Hummock grasslands, shrub steppe; <i>Acacia coriacea</i> & hakea over hard spinifex, <i>Triodia basedowii</i> (Shepherd et al. 2001)			

3. Scrub of *Acacia cuthbertsonii* subsp. *cuthbertsonii* over low scrub of *Eremophila latrobei* subsp. *filiformis* and mid-dense hummock grass of *Triodia basedowii*
 4. Open low woodland of *Eucalyptus camaldulensis* over low scrub of *Acacia melleodora*
 5. Open low woodland of *Corymbia aspera*/*Corymbia opaca* over low scrub of *Acacia melleodora* and mid-dense hummock grass of *Triodia basedowii*/*Triodia pungens*
 6. Open herbs of *Glossostigma diandrum*, *Lepidium pholidogynum* and *Stylidium desertorum*
 7. Heath of *Tecticomia* aff. *calpytrata*/*Tecticomia halocnemoides*/*Tecticomia* ?sp. *Sunshine Lake* (K.A. Shepherd et al KS 867) (P3) on salt lake edge
 8. Open low woodland of *Acacia aptaneura* over low scrub of *Acacia pachyacra* and mid-dense hummock grass of *Triodia basedowii*
 9. Open low woodland of *Corymbia aspera* over low scrub of *Acacia bivenosa*/*Grevillea wickhamii* subsp. *aprica* and mid-dense hummock grass of *Triodia basedowii*
 10. Open shrub mallee of *Eucalyptus kingsmillii* subsp. *kingsmillii* over low scrub of *Acacia bivenosa*/*Acacia maitlandii* and mid-dense hummock grass of *Triodia basedowii*
 11. Scrub of *Acacia coriacea* over open low scrub of *Acacia melleodora* and dense hummock grass of *Triodia basedowii*
- (Botanica Consulting 2013)

3. Assessment of application against clearing principles

Comments The permit holder has applied to extend the clearing footprint within Mining Lease M45/1227 by 0.7 hectares to include an additional laydown area (0.14 hectares), borrow pit extension (0.41 hectares) and intersection realignment (0.15 hectares).

The total amount of clearing required has not altered from the 32.5 hectares approved under CPS 5111/2.

A review of current environmental information reveals no new additional information. Therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 5111/2.

Methodology GIS Databases:
- SAC Bio Datasets April 2016

Planning instruments and other relevant matters.

Comments The permit holder has applied to extend the clearing footprint within Mining Lease M45/1227 by 0.7 hectares to include an additional laydown area (0.14 hectares), borrow pit extension (0.41 hectares) and intersection realignment (0.15 hectares).

Annual reports provided by the permit holder indicate that 19.76 hectares of clearing has been conducted to 30 June 2015. A further 1.34 hectares has been allocated for clearing by amendments granted on 14 January 2016 (CPS 5111/2). Therefore the additional 0.7 hectares of clearing proposed does not require any change to the total amount of clearing and the area under application remains at 32.5 hectares.

The clearing area is within the Martu People's native title determination area. Tenure over the area subject to the proposed amendments, Mining Lease M45/1227, has been granted in accordance with the future act regime of the *Native Title Act 1993* and the nature of the act (i.e. the proposed clearing activity) has been provided for in that process. Therefore the granting of a clearing permit is not a future act under the *Native Title Act 1993*.

The Martu Native Title Holders' prescribed body corporate, Western Desert Lands and Aboriginal Corporation (WDLAC), previously advised it has entered into an Indigenous Land Use Agreement (ILUA) with Reward Minerals Ltd for the Lake Disappointment Project (WDLAC 2015). The ILUA was registered with the National Native Title Tribunal in 2012 (WDLAC 2015).

The application area falls within the Canning-Kimberley Groundwater Area covered by the *Rights in Water and Irrigation Act 1914*. The permit holder holds current licences to take water from the Department of Water.

No submissions from the public have been received.

Methodology **References:**
- WDLAC (2015)

GIS Databases:
- Native Title Claims
- RIWI Act, Groundwater areas

4. References

- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Botanica Consulting (2013) Annual report submitted for CPS 5111/1, Lake Disappointment Potash Project. November 2013. Botanica Consulting. DER Ref: A1000848
- WDLAC (2015) Native title notification response for Clearing Permit Application CPS 5111/2. Email received 17 December 2015. Western Desert Lands and Aboriginal Corporation. DER Ref: A1023177
- 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.

