



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3294/2
Permit Holder:	Alinta DEWAP Pty Ltd (ACN: 058 070 689)
Duration of Permit:	12 December 2009 – 12 December 2014

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 hazard reduction, fire control for powerlines and installation of underground cables.

2. Land on which clearing is to be done

Lot 5904 on Plan 219101
Lot 265 on Plan 193736
Lot 366 on Plan 42164
Lot 399 on Plan 28588
Lot 255 on Plan 192056
Lot 5906 on Plan 219101
Lot 500 on Plan 61034
Lot 269 on Plan 93545
Lot 310 on Plan 220276
Lot 5905 on Plan 219101
Lot 409 on Plan 28588
Lot 376 on Plan 220768
Road Reserve, Boodarie 6722 (PIN 11250200)
Road Reserve, Boodarie 6722 (PIN 11437402)
Road Reserve, South Hedland (PIN 11430728)
Road Reserve, South Hedland (PIN 11430769)
Road Reserve, South Hedland (PIN 11432445)
Lot 274 on Plan 219540
Lot 2514 on Plan 213177
Lot 203 on Plan 220594
Lot 2941 on Plan 213348
Lot 309 on Plan 220276
Lot 6118 on Plan 195281
Lot 5549 on Plan 216397

3. Area of Clearing

The Permit Holder must not clear more than 45 hectares of native vegetation within the area shaded yellow on attached Plan 3294/2a, Plan 3294/2b, Plan 3294/2c, Plan 3294/2d and Plan 3294/2e.

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. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

6. 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.

PART III - RECORD KEEPING AND REPORTING

7. Records must be kept

The Permit Holder must maintain the following records for activities done in relation to the clearing of native vegetation authorised under this Permit:

- (a) the species composition, structure and density of the cleared area;
- (b) 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;
- (c) the date that the area was cleared; and
- (d) the size of the area cleared (in hectares).

8. Reporting

- (a) The Permit Holder must provide to the CEO, on or before 30 June of each year, a written report of records required under condition 7 of this Permit and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 12 September 2014, the Permit Holder must provide to the CEO a written report of records required under condition 7 of this Permit where these records have not already been provided under condition 8(a) of this Permit.

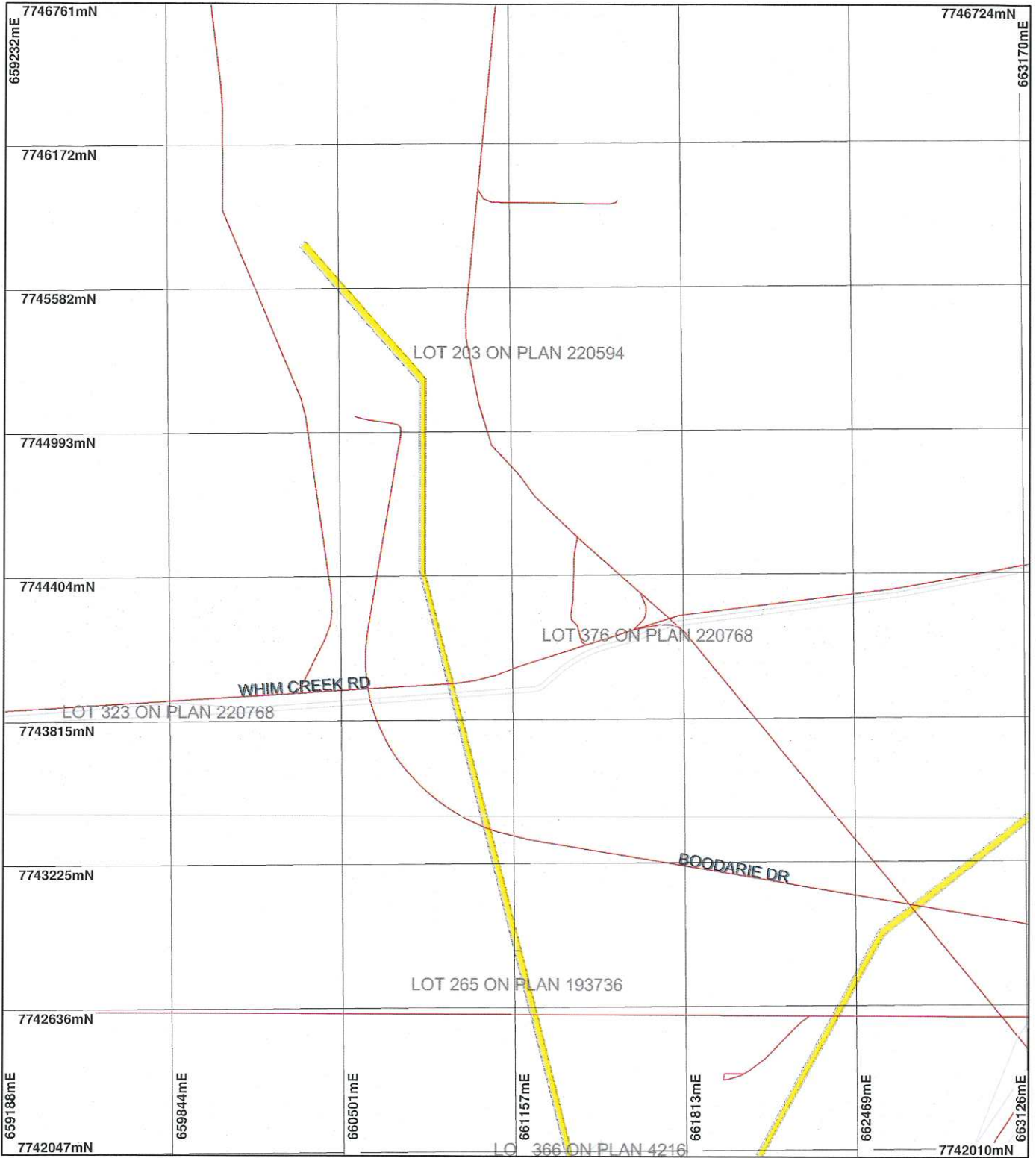


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

10 March 2011

Plan 3294/2a



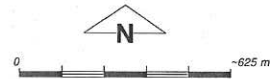
LEGEND

Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Cadastre
- Local Government Authorities

Cadastral for labelling

Bunbury 50cm Orthomosaic - Landgate 2006



Scale 1:21680
(Approximate when reproduced at A4)

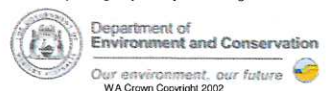
Geocentric Datum Australia 1994

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

[Signature] Date 10/3/11

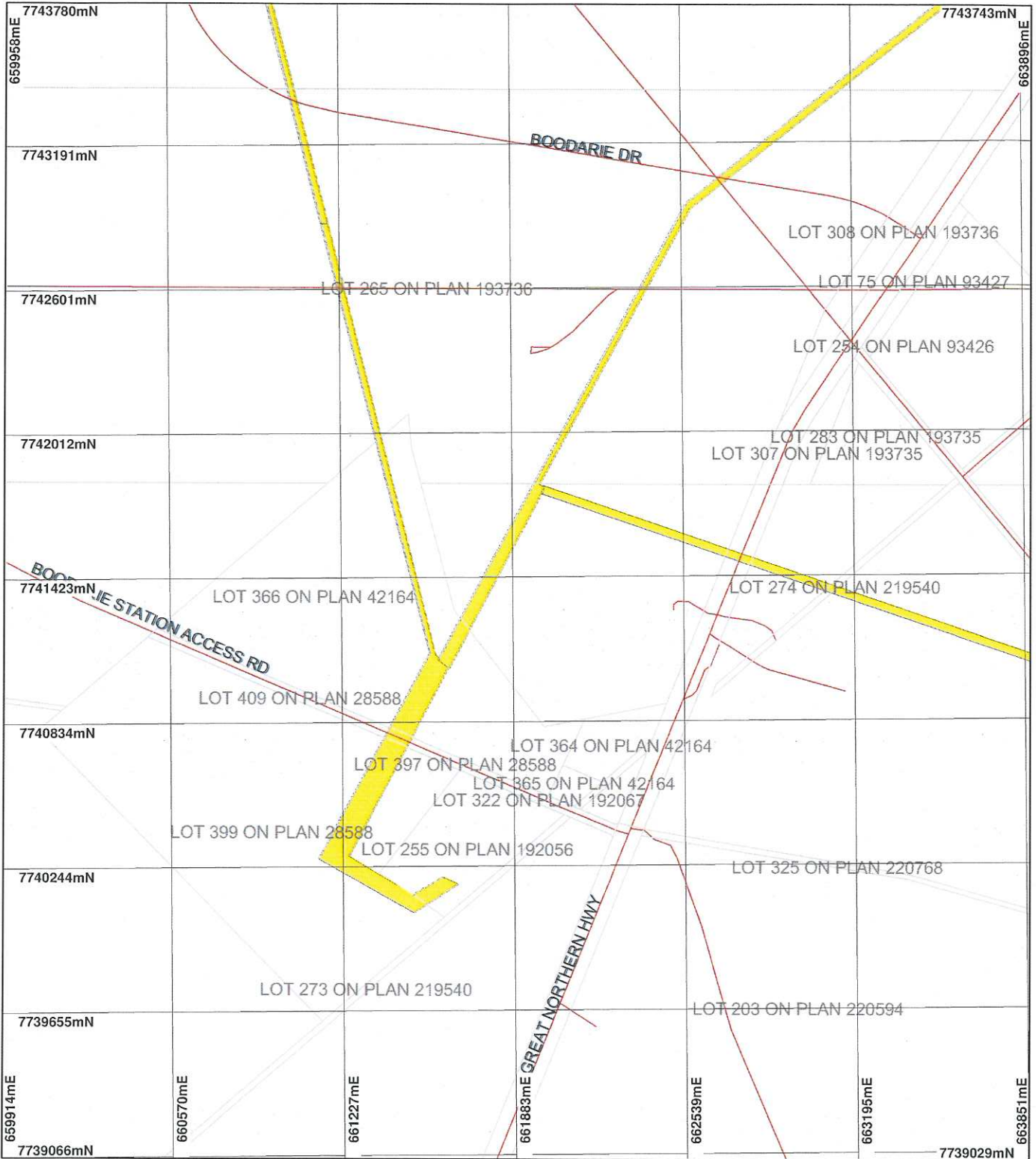
K. Faulkner
Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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



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

Plan 3294/2b



LEGEND

- | | |
|------------------------------|--|
| Clearing Instruments | Cadastral for labelling |
| Areas Approved to Clear | Bunbury 50cm Orthomosaic - Landgate 2006 |
| Road Centrelines | |
| Cadastre | |
| Local Government Authorities | |



Scale 1:21678
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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Date 10/3/11
K. Faulkner

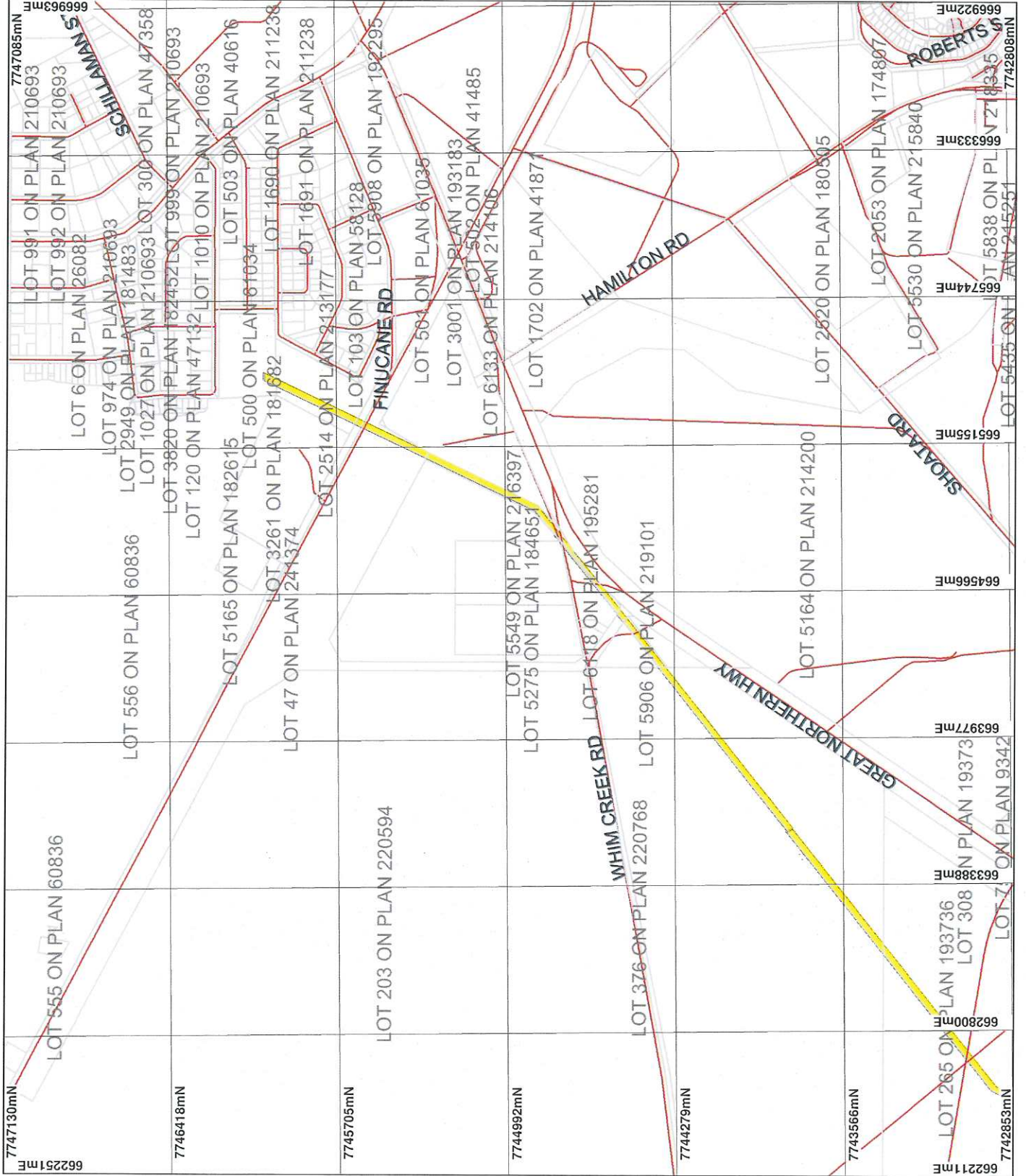
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* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.

Plan 3294/2c



LEGEND

- Clearing Instruments
- Areas Approved to Clear
- Road Centrelines
- Cadastral
- Local Government Authorities
- Cadastral for labelling
- Bunbury 50ern Orthomesals - Landgate 2006

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



0 625 m

Scale 1:21681
(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.

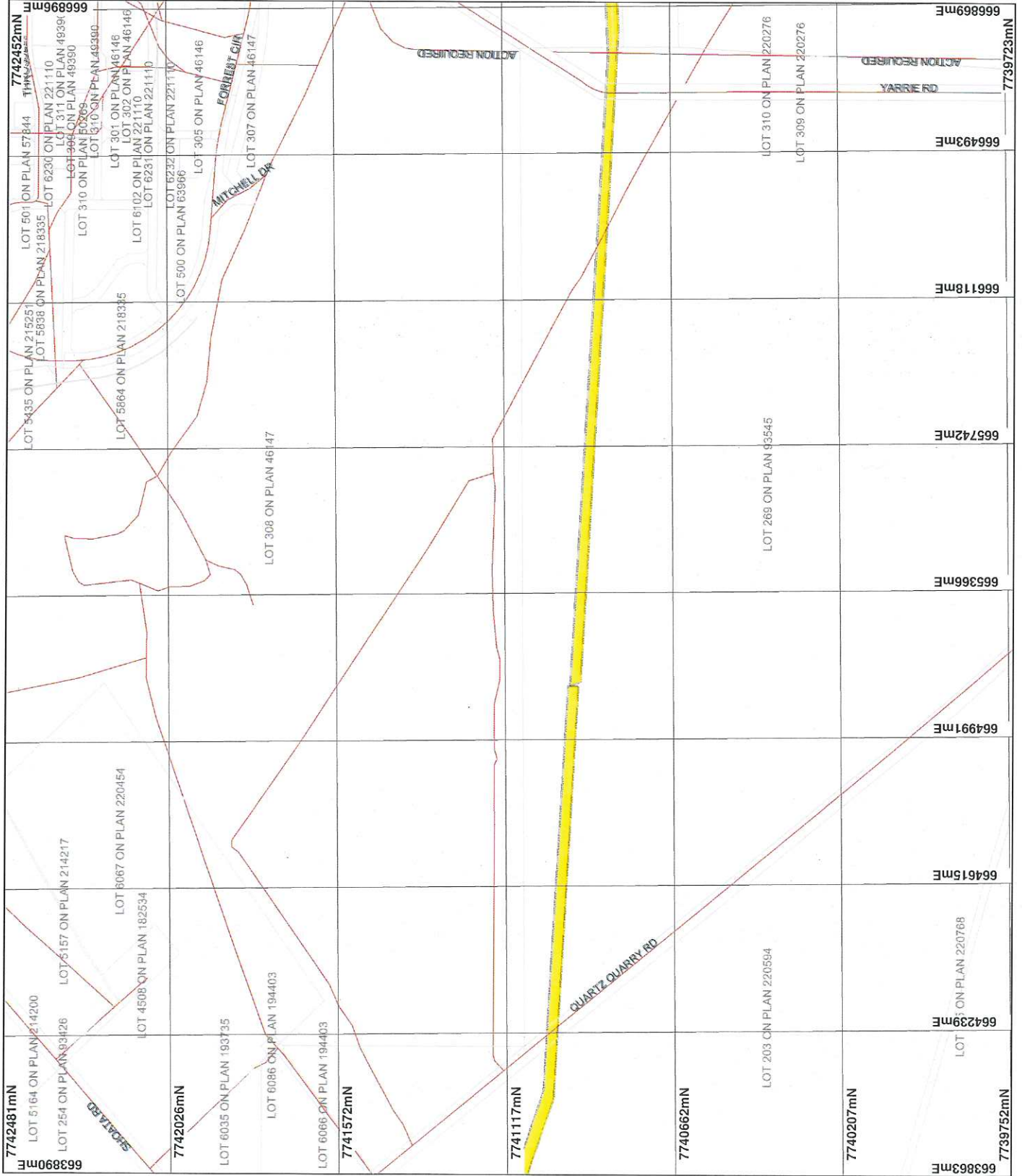
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Plan 3294/2d



LEGEND

- Clearing Instruments
- Areas Approved to Clear
- Road Centrelines
- Cadastre
- Local Government Authorities
- Cadastre for labelling
- Bunbury 50cm Orthomosaic - Landgate 2006

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



0 375 m

Scale 1:13831

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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K. Faulkner Date 10/3/11

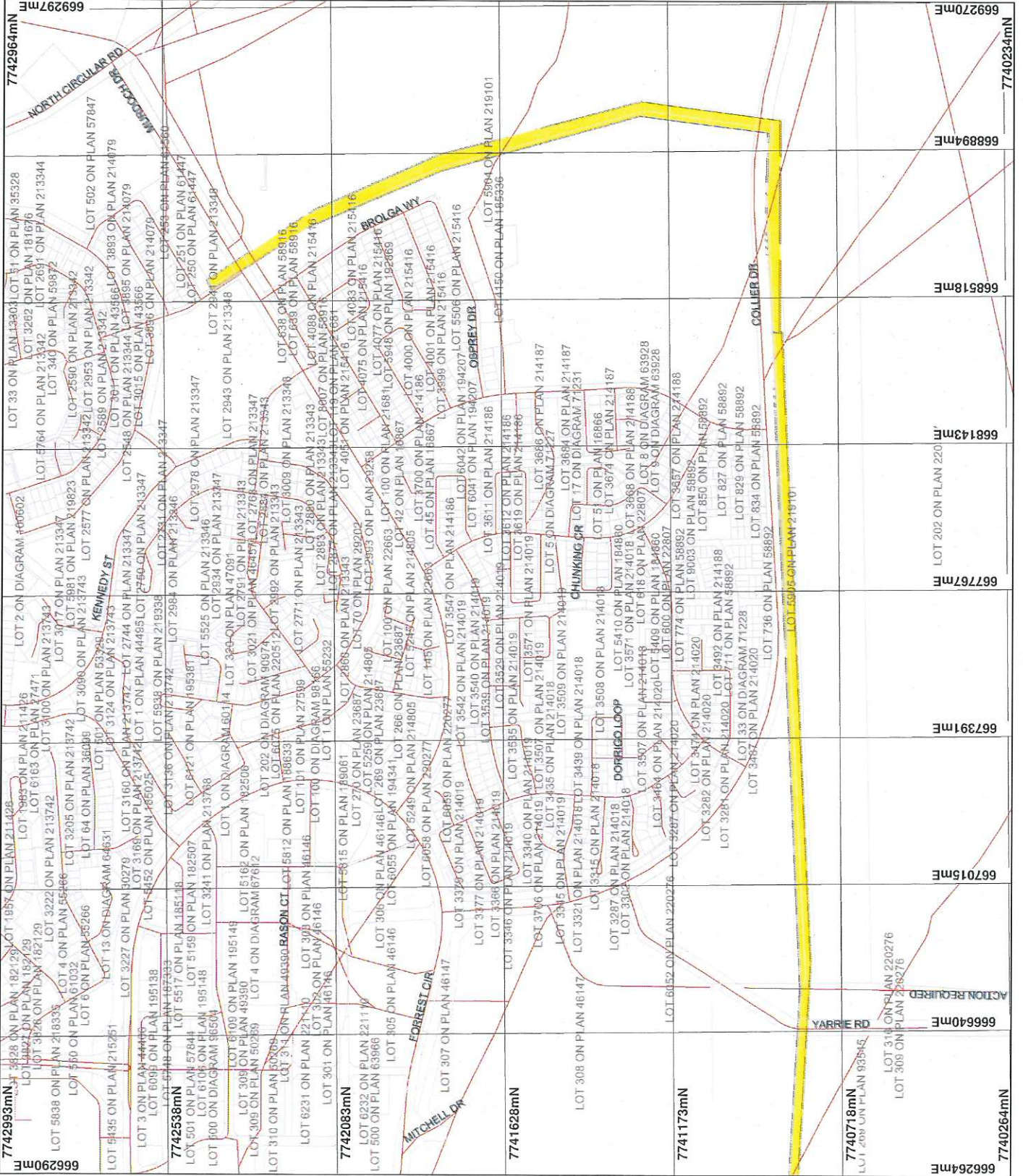
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Plan 3294/2e



LEGEND

Clearing Instruments

Areas Approved to Clear

Road Centrelines

Cadastre

Local Government Authorities

Cadastre for labelling

Bunbury 50ern Orthomosaic - Landgate 2006

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



Scale 1:13832
(Approximate when reproduced at A4)

Geocentric Datum Australia 1984

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[Signature] Date 10/3/11

K. Faulkner

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1. Application details

1.1. Permit application details

Permit application No.: 3294/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: MR Geoffrey Massey HSSE Manager Alinta DEWAP Pty Ltd

1.3. Property details

Property:

- LOT 203 ON PLAN 220594 (BOODARIE 6722)
- LOT 203 ON PLAN 220594 (BOODARIE 6722)
- LOT 376 ON PLAN 220768 (BOODARIE 6722)
- LOT 265 ON PLAN 193736 (BOODARIE 6722)
- LOT 366 ON PLAN 42164 (BOODARIE 6722)
- LOT 399 ON PLAN 28588 (Lot No. 399 BOODARIE STATION ACCESS BOODARIE 6722)
- LOT 255 ON PLAN 192056 (Lot No. 255 BOODARIE STATION ACCESS BOODARIE 6722)
- LOT 409 ON PLAN 28588 (BOODARIE 6722)
- LOT 203 ON PLAN 220594 (BOODARIE 6722)
- LOT 203 ON PLAN 220594 (BOODARIE 6722)
- ROAD RESERVE (BOODARIE 6722)
- LOT 269 ON PLAN 93545 (BOODARIE 6722)
- ROAD RESERVE (BOODARIE 6722)
- LOT 5906 ON PLAN 219101 (BOODARIE 6722)
- LOT 6118 ON PLAN 195281 (BOODARIE 6722)
- LOT 6118 ON PLAN 195281 (BOODARIE 6722)
- LOT 5906 ON PLAN 219101 (BOODARIE 6722)
- LOT 6118 ON PLAN 195281 (BOODARIE 6722)
- LOT 6118 ON PLAN 195281 (BOODARIE 6722)
- ROAD RESERVE (SOUTH HEDLAND 6722)
- ROAD RESERVE (BOODARIE 6722)
- LOT 47 ON PLAN 241374 (BOODARIE 6722)
- UNALLOCATED CROWN LAND (BOODARIE 6722)
- LOT 2514 ON PLAN 213177 (Lot No. 2514 HARWELL WEDGEFIELD 6721)
- ROAD RESERVE (WEDGEFIELD 6721)
- LOT 2941 ON PLAN 213348 (Lot No. 2941 DEMARCHI SOUTH HEDLAND 6722)
- LOT 2943 ON PLAN 213348 (Lot No. 2943 DEMARCHI SOUTH HEDLAND 6722)
- LOT 5904 ON PLAN 219101 (House No. 55 MURDOCH SOUTH HEDLAND 6722)
- UNALLOCATED CROWN LAND (SOUTH HEDLAND 6722)
- ROAD RESERVE (SOUTH HEDLAND 6722)
- ROAD RESERVE (SOUTH HEDLAND 6722)
- UNALLOCATED CROWN LAND (SOUTH HEDLAND 6722)
- LOT 5905 ON PLAN 219101 (SOUTH HEDLAND 6722)
- UNALLOCATED CROWN LAND (SOUTH HEDLAND 6722)
- ROAD RESERVE (SOUTH HEDLAND 6722)
- LOT 310 ON PLAN 220276 (PIPPINGARRA 6722)
- LOT 309 ON PLAN 220276 (BOODARIE 6722)

Local Government Area:

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
45		Cutting	Hazard reduction or fire control Water/gas/cable pipeline installation

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 10 March 2011

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 types: 647 - Hummock grasslands, dwarf-shrub steppe; <i>Acacia translucens</i> over soft spinifex.	The proposal is to clear 45ha for the purpose of fire hazard reduction around existing powerlines. It is proposed for 10m to be cleared from either side of the existing powerlines.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation clearing description based aerial photography and information provided by proponent (Alinta DEWAP 2009, Port Hedland 50cm Orthomosaic - Landgate 2004).
589: Short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft spinifex (SAC Bio Datasets 21/10/2009)	The area has been previously cleared and is in a degraded condition. ~6.8 ha of the application area is adjacent to vegetation in very good to excellent (Keighery, 1994) condition.		

3. Assessment of application against clearing principles

Comments

The proposal is to clear 45ha of native vegetation for the purpose of fire hazard reduction around existing powerlines. It is proposed for 10m to be cleared from either side of the existing powerlines. The area has been previously cleared and is in a degraded (Keighery 1994) condition. Aerial photography demonstrates that approximately 6.8ha of the application area is adjacent to vegetation in very good (Keighery 1994) condition.

A priority flora species, *Abutilon pritzelianum* (P1) was recoded in the local area (50 km radius) occurring on sandy red soils (Western Australian Herbarium 1998-), of which occur within the area under application (Northcote et al 1960-68). A flora management condition will be placed on the permit to ensure no clearing of vegetation occurs within 10m of *A. pritzelianum*.

The assessment considered that the proposed clearing is not likely to cause land degradation, impact on Threatened Ecological Communities or comprise significant fauna habitat within the local or regional context. In addition, the area under application is not considered significant as a remnant due to its linear shape and high vegetation complex representation in the Pilbara bioregion (approximately 100%) (Shepherd 2007).

There are no terrestrial conservation areas within the local area (50km radius). Therefore it is not considered likely for the proposed clearing to impact on conservation areas in the local area.

Three minor non-perennial watercourses traverse the area under application, however impact on these watercourses will be minor.

It is not considered likely for the proposed clearing to result in deterioration in surface or groundwater quality or cause an increase in flooding due to the low mean annual rainfall (400mm), sandy red soil (Northcote et al, 1960-68) and the long linear shape of the application area.

Regional advice (DEC 2009) advises that there are no significant environmental impacts expected from the proposed clearing.

Methodology

References
-DEC (2009)
- Keighery (1994)
-Shepherd (2007)
-Northcote et al (1960-68)
-Western Australian Herbarium (1998-)
GIS Databases
-DEC Managed Lands and Waters
-Groundwater Salinity
-Hydrography, linear
-Interim Biogeographic Regionalisation of Australia
-Port Hedland Townsite 20cm Orthomosaic-Landgate 2002
-Register of National Estate
-SAC Bio Databases (21/10/2009)
-Soils, Statewide

Planning instrument, Native Title, Previous EPA decision or other matter.

Comments

There is a Native Title Claim over the area under application. Letters have been sent to the claimants (Kariyarra People) on the 29 September 2009. No response has been received.

Permission to access and clear within the area under application from numerous land owners have been obtained (DEC TRIM Ref: DOC105396 and DOC105398).

The areas under application are zoned Public Purpose, Service Corridor, Rural and Residential under Port Hedland's Town Planning Scheme.

The area under application occurs within a RIWA groundwater area - Pilbara River and Tributary.

Methodology

GIS Databases
-Native Title Claim
-Town Planning Scheme Zones
-RIWA areas

4. References

Alinta DEWAP Pty Ltd (2009) Clearing Permit Application and Additional Information. TRIM Ref DOC95443

DEC (2009) Department of Environment and Conservation, Regional advice for CPS 3294/1. (Trim Ref DOC100923)

Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.

Shepherd, D.P. (2007) Adapted from: 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.

Western Australian Herbarium (1998?). FloraBase - The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> (Accessed 21/10/09).

5. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	Department of Industry and Resources
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)

