



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4905/6
Permit Holder:	API Management Pty Ltd
Duration of Permit:	1 June 2012 – 1 June 2022

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 geotechnical and hydrogeological investigations and access tracks.

2. Land on which clearing is to be done

Section 91 licence LIC00217/2008_3_84 within:

Lot 165 on Plan 238633 (Cane)

Unnamed road reserve (PIN 11729747 Cane)

Lot 206 on Plan 220090 (Fortescue)

Lot 208 on Plan 220090 (Fortescue)

Lot 302 on Plan 63514 (Fortescue)

Lot 309 on Plan 63519 (Fortescue)

Lot 310 on Plan 63519 (Fortescue)

Unallocated Crown Land (Pin 1016546 Fortescue)

Lot 264 on Plan 220363 (Maitland)

Unallocated Crown Land (PIN 1017635 Maitland)

Lot 154 on Plan 220164 (Mardie)

Lot 263 on Plan 220164 (Mardie)

Lot 257 on Plan 30489 (Mardie)

Lot 660 on Plan 30489 (Mardie)

North West Coastal Highway road reserve (PIN 11733355, 11733289, 11733290, Mardie)

Lot 179 on Plan 238640 (Nanutarra)

Unallocated Crown Land (PIN 1016550 Hamersley Range)

3. Area of Clearing

The Permit Holder must not clear more than 100 hectares of native vegetation within the area cross hatched yellow on attached Plan 4905/6.

4. Period in which clearing is authorised

The Permit Holder shall not clear any native vegetation after 25 April 2016.

5. 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.

6. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the right to access land under the *Land Administration Act 1997* or any other written law.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

7. 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.

8. Flora management

(a) Prior to undertaking any clearing authorised under this Permit, the Permit Holder shall engage a *botanist* to inspect that area for the presence of *priority flora*.

(b) Where *priority flora* are identified in relation to condition 8(a) of this Permit, the Permit Holder shall ensure that:

- (i) no clearing occurs within 10 metres of identified *priority flora*, unless approved by the CEO; and
- (ii) no clearing of identified *priority flora* occurs unless approved by the CEO.

9. Weed control

When undertaking any clearing or other activity authorised under 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.

10. Retain vegetative material and topsoil, revegetation and rehabilitation

The Permit Holder shall:

- (a) Retain the vegetative material and topsoil removed by clearing authorised under this Permit and stockpile the vegetative material and topsoil in an area that has already been cleared.
- (b) At an optimal time within 12 months following completion of activities under this permit, *revegetate* and *rehabilitate* areas not required for future scheduled and approved development, by:
 - (i) ripping the ground on the contour to remove soil compaction; and
 - (ii) laying the vegetative material and topsoil retained under condition 10(a) on the cleared area(s).
- (c) Within 18 months of laying the vegetative material and topsoil on the cleared area in accordance with condition 10(b) of this Permit:
 - (i) engage an *environmental specialist* to determine the species composition, structure and density of the area *revegetated* and *rehabilitated*; and
 - (ii) where, in the opinion of an *environmental specialist*, the composition structure and density determined under condition 10(c)(i) of this Permit will not result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, *revegetate* the area by deliberately *planting* and/or *direct seeding* native vegetation that will result in a similar species composition, structure and density of native vegetation to pre-clearing vegetation types in that area and ensuring only *local provenance* seeds and propagating material are used.
- (d) Where additional *planting* or *direct seeding* of native vegetation is undertaken in accordance with condition 10(c)(ii) of this permit, the Permit Holder shall repeat condition 10(c)(i) and 10(c)(ii) within 24 months of undertaking the additional *planting* or *direct seeding* of native vegetation.

- (e) Where a determination by an *environmental specialist* that the composition, structure and density within areas *revegetated* and *rehabilitated* will result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, as determined in condition 10(c)(i) and (ii) of this permit, that determination shall be submitted for the CEO's consideration. If the CEO does not agree with the determination made under condition 10(c)(ii), the CEO may require the Permit Holder to undertake additional *planting* and *direct seeding* in accordance with the requirements under condition 10(c)(ii).

PART III - RECORD KEEPING AND REPORTING

11. Records must 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 species composition, structure and density of the cleared area;
 - (ii) 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;
 - (iii) the date that the area was cleared; and
 - (iv) the size of the area cleared (in hectares).
- (b) In relation to flora management pursuant to condition 8 of this Permit:
- (i) the location of each *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 *priority flora* identified; and
 - (iii) a copy of the botanists flora survey report.
- (c) In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 10 of this Permit:
- (i) the location of any areas *revegetated* and *rehabilitated*, 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) a description of the *revegetation* and *rehabilitation* activities undertaken;
 - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares);
 - (iv) the species composition, structure and density of *revegetation* and *rehabilitation*, and
 - (v) a copy of the environmental specialist's report.

12. 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 11 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 July and 30 June of the preceding year.
- (b) If no clearing authorised under this Permit was undertaken between 1 July to 30 June of the preceding financial year, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 30 June of each year.
- (c) Prior to 1 March 2022, the Permit Holder must provide to the CEO a written report of records required under condition 11 of this Permit where these records have not already been provided under condition 12(a) of this Permit.

DEFINITIONS

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

direct seeding means a method of re-establishing vegetation through the establishment of a seed bed and the introduction of seeds of the desired plant species;

environmental specialist means a person 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, or who is approved by the CEO as a suitable environmental specialist.;

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

local provenance means native vegetation seeds and propagating material from natural sources within 50 kilometres of the area cleared.

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;

planting means the re-establishment of vegetation by creating favourable soil conditions and planting seedlings of the desired species;

regenerate/ed/ion means *revegetation* that can be established from in situ seed banks contained either within the topsoil or seed-bearing *mulch*;

rehabilitate/ed/ion means actively managing an area containing native vegetation in order to improve the ecological function of that area;

revegetate/ed/ion means the re-establishment of a cover of *local provenance* native vegetation in an area using methods such as *regeneration*, *direct seeding* and/or *planting*, so that the species composition, structure and density is similar to pre-clearing vegetation types in that area.

botanist means a person with specific training and/or experience in the ecology and taxonomy of Western Australian flora;

priority flora means those plant taxa described as priority flora classes 1, 2, 3 or 4 in the *Department's Declared Rare and Priority Flora List for Western Australia* (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 Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.

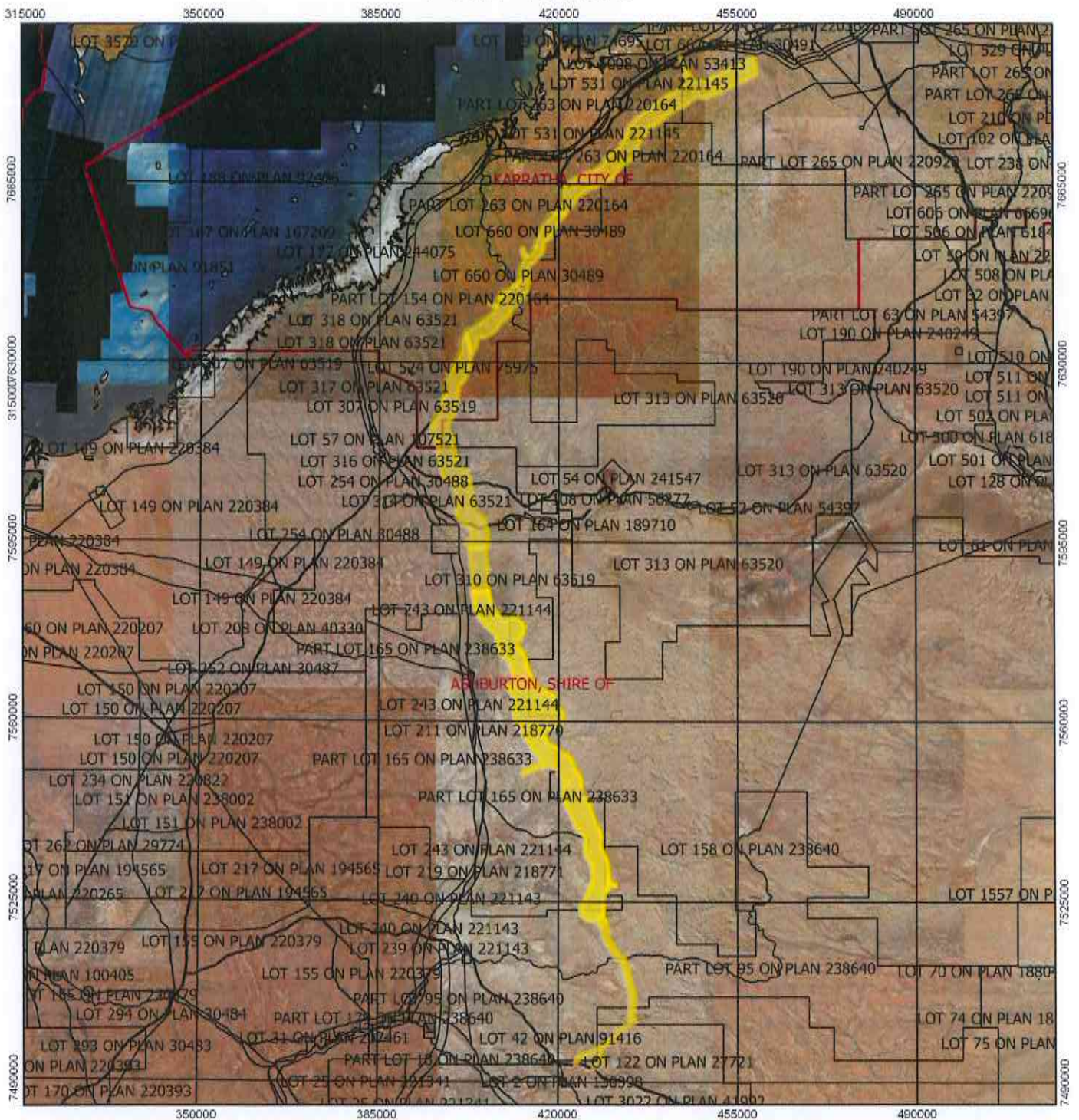


M Warnock
SENIOR MANAGER
CLEARING REGULATION

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

7 May 2015

Plan 4905/6



Legend

 Areas approved to clear

 Roads

 Cadastre

 Virtual Mosaic





1:1,179,841

MSA 94

Geocentric Datum of Australia 1994

M Warnock Date 7/5/15
M Warnock

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



GOVERNMENT OF
WESTERN AUSTRALIA



1. Application details

1.1. Permit application details

Permit application No.: 4905/6
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: API Management Pty Ltd

1.3. Property details

Property: PART LOT 264 ON PLAN 220363, MAITLAND
PART LOT 263 ON PLAN 220164, MARDIE
PART LOT 179 ON PLAN 238640, NANUTARRA
PART LOT 165 ON PLAN 238633, CANE
PART LOT 154 ON PLAN 220164, MARDIE
LOT 660 ON PLAN 30489, MARDIE
LOT 310 ON PLAN 63519, FORTESCUE
LOT 309 ON PLAN 63519, FORTESCUE
LOT 302 ON PLAN 63514, FORTESCUE
LOT 257 ON PLAN 30489, MARDIE
LOT 208 ON PLAN 220090, FORTESCUE
LOT 206 ON PLAN 220090, FORTESCUE
ROAD RESERVE - 11733290, MARDIE
ROAD RESERVE - 11729747, CANE
UNALLOCATED CROWN LAND, HAMERSLEY RANGE
ROAD RESERVE - 11733289, MARDIE
UNALLOCATED CROWN LAND, MAITLAND
ROAD RESERVE - 11733355, MARDIE
UNALLOCATED CROWN LAND, FORTESCUE

Colloquial name:
Local Government Authority: Shire of Ashburton

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
100		Mechanical Removal	Geotechnical investigations

1.5. Decision on application

Decision on Permit: Granted
Decision Date: 07 May 2015

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
Mapped Beard vegetation association 603: Hummock grasslands, sparse shrub steppe; <i>Acacia bivenosa</i> over hard spinifex (Shepherd et al, 2001).	The application is to clear 100 hectares of native vegetation located within Section 91 licence LIC00217/2008_3_84.	Completely Degraded; No longer intact, completely/almost completely without native species (Keighery, 1994).	Vegetation and flora surveys conducted within and around the area under application recorded 641 flora taxa within 52 vegetation communities. The vegetation under application is in a completely degraded to excellent (Keighery, 1994) condition (Astron, 2010), with majority being in a very good (Keighery, 1994) condition (Astron, 2010).
Mapped Beard vegetation association 587: Mosaic: Hummock grasslands, open low tree-steppe; snappy gum over <i>Triodia wiseana</i> / Hummock grasslands, shrub-steppe; kanji over <i>Triodia pungens</i> (Shepherd et al, 2001).	Clearing for the purpose of geotechnical and hydrogeological investigations and access tracks across the Shire of Ashburton and Shire of Roebourne.	To Excellent; Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery, 1994).	
Mapped Beard vegetation association 175: Short bunch grassland - savanna/grass plain (Pilbara) (Shepherd et al, 2001).			
Mapped Beard vegetation association 601: Mosaic: Sedgeland; various sedges with very sparse snakewood / Hummock grasslands, shrub-steppe; kanji over soft spinifex (Shepherd et al, 2001).			The condition of the native vegetation under application was sourced from a flora and vegetation survey report by Astron, (2010). The report was a reconciliation of the vegetation and flora data as reported by Western Botanical (2009, 2010), AECOM (2010) and Astron (2010).
Mapped Beard vegetation association 605: Hummock grasslands, shrub steppe; <i>Acacia pachycarpa</i> & waterwood over soft spinifex (Shepherd et al, 2001).			
Mapped Beard vegetation association 29: Sparse low woodland; mulga, discontinuous in scattered groups (Shepherd et al, 2001).			
Mapped Beard vegetation association 93: Hummock grasslands, shrub steppe; kanji over soft spinifex (Shepherd et al, 2001).			
Mapped Beard vegetation association 82: Hummock grasslands, low tree steppe; snappy gum over <i>Triodia wiseana</i> (Shepherd et al, 2001).			
Mapped Beard vegetation association 620: Hummock grasslands, shrub steppe; snakewood over soft spinifex (Shepherd et al, 2001).			
Mapped Beard vegetation association 157: Hummock grasslands, grass steppe; hard spinifex, <i>Triodia wiseana</i> (Shepherd et al, 2001).			
Mapped Beard vegetation association 103: Hummock grasslands, shrub steppe; snakewood over soft spinifex & <i>Triodia wiseana</i> (Shepherd et al, 2001).			
Mapped Beard vegetation association 18: Low woodland; mulga (<i>Acacia aneura</i>) (Shepherd et al, 2001).			

3. Assessment of application against clearing principles

Comments This amendment has been made to amend condition 4 to allow the clearing of native vegetation until 25 April 2016.

The assessment against the clearing principles has not changed and can be found in Decision Report CPS 4905/1.

Methodology

Planning instruments and other relevant matters.

Comments The assessment against Planning and Other Matters has not changed and can be found in Decision Report CPS 4905/1.

Methodology

4. References

- AECOM (2010) Proposed Anketell Port Transport Corridor, Associated Borrow Pits and Communication Towers - Level 2 Flora and Vegetation Assessment. Prepared for API Management Pty Ltd (DEC Ref DOC:A478194)
- Astron (2010) West Pilbara Iron Ore Project. Reconciliation of Vegetation Descriptions and Associated Vegetation Mapping. Prepared for API Management Pty Ltd (DEC Ref DOC:A478194)
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- 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.