



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number: CPS 2908/7
Permit Holder: Chevron Australia Pty Ltd
Duration of Permit: 5 March 2009 – 30 June 2028

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 purposes of geotechnical investigation, archaeological excavation, heritage surveys, cadastre surveys, servicing locations and environment services.

2. Land on which clearing is to be done

Lot 153 on Plan 220110, Talandji
 Lot 304 on Plan 71345, Talandji
 Lot 500 on Plan 69197, Talandji
 Lot 507 on Plan 69197, Talandji
 Lot 508 on Plan 69197, Talandji
 Lot 518 on Plan 69197, Talandji
 Lot 540 on Plan 69197, Talandji
 Lot 555 on Plan 402556 (Reserve 51074), Talandji
 Lot 569 on Plan 71345 (Reserve 51074), Talandji

3. Area of Clearing

The Permit Holder must not clear more than 25 hectares of native vegetation within the area hatched yellow on attached Plan 2908/7.

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. Type of clearing authorised

- (a) This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the power to clear native vegetation for those activities under the *Land Administration Act 1997* or any other written law.
- (b) The Permit Holder shall not clear any native vegetation after 30 June 2018.

6. 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

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 site shall be inspected by a *flora specialist* for the presence of the following *priority flora taxa*:

- (i) *Triumfetta echinata* (Priority 3);
- (ii) *Acacia ryaniana* (Priority 2);
- (iii) *Eleocharis papillosa* (Priority 3); and
- (iv) *Eremophila forrestii* subsp. *viridis* Chinnoek (Priority 3).

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

- (i) all records of *priority flora taxa* are submitted to the CEO; and
- (ii) no clearing occurs with 10 metres of identified *priority flora taxa*, 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 and spread vegetative material

The Permit Holder shall:

- (a) Retain the vegetative material and topsoil removed by clearing authorised under this Permit
- (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;
- (c) Within 12 months following completion of activities under this permit conduct surveys of each of the vegetation communities to be rehabilitated to collect adequate information to assist setting completion criteria for rehabilitation;
- (d) Prepare the methodology of the survey required in condition 10(c) to be approved by the CEO;
- (e) Within 18 months following completion of activities under this permit develop completion criteria for rehabilitation for that area to be approved by the CEO;
- (f) After 10 years of the completion of rehabilitation, ensure that the percentage cover and species diversity of living self sustaining native vegetation in rehabilitation areas shall be comparable to the completion criteria required by condition 10(c); and
- (g) Ensure that no new species of declared weeds and environmental weeds shall be introduced into the rehabilitated areas which are likely to be attributed to the activities under this permit.

PART III - RECORD KEEPING AND REPORTING

11. Records must be kept

- (a) The Permit Holder must maintain the following records for activities done pursuant to this Permit 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 *priority flora taxa* recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings; and
 - (ii) the species of *priority flora taxa* identified.
- (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) a copy of the completion criteria for rehabilitation; and
 - (v) the species composition, structure and density of *revegetation* and *rehabilitation*.

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 January and 31 December of the preceding year.
- (b) Prior to 30 March 2028 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;

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

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

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;

optimal time means the period from November to December; for undertaking *direct seeding*; and

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

priority flora taxa means those plant taxa that 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);

regenerate/ed/ion means re-establishment of vegetation from in situ seed banks and propagating material (such as lignotubers, bulbs, rhizomes) 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 *natural regeneration, direct seeding* and/or *planting*, so that the species composition, structure and density is similar to pre-clearing vegetation types in that area;

term means the duration of this Permit, including as amended or renewed; and

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.

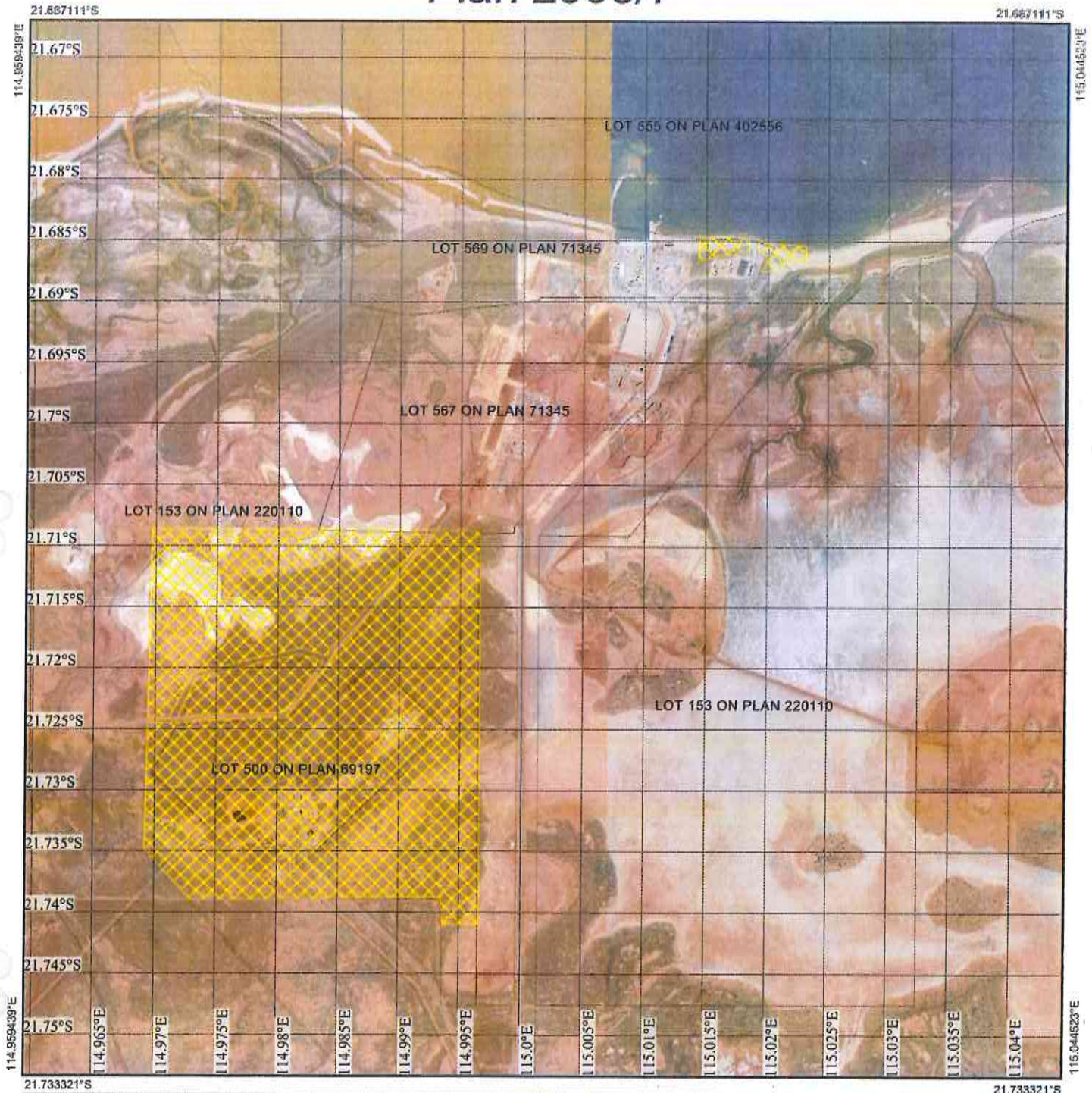


Jane Clarkson
A/SENIOR MANAGER
CLEARING REGULATION

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

10 December 2015

Plan 2908/7



Legend

 Imagery

 Clearing Instruments Activities



1:46,651

(Approximate when reproduced at A4)

GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

 Date 10/12/15

J Clarkson

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



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1. Application details

1.1. Permit application details

Permit application No.: 2908/7
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: Chevron Australia Pty Ltd

1.3. Property details

Property: LOT 569 ON PLAN 71345, TALANDJI
LOT 555 ON PLAN 402556, ASHBURTON, SHIRE OF
LOT 540 ON PLAN 69197, TALANDJI
LOT 518 ON PLAN 69197, TALANDJI
LOT 508 ON PLAN 69197, TALANDJI
LOT 507 ON PLAN 69197, TALANDJI
LOT 500 ON PLAN 69197, TALANDJI
LOT 304 ON PLAN 71345, TALANDJI
LOT 153 ON PLAN 220110, TALANDJI

Colloquial name:
Local Government Authority:
DER Region:

ASHBURTON, SHIRE OF
North West

1.4. Application

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

1.5. Decision on application

Decision on Permit: Granted
Application:
Decision Date: 10 December 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
Beard Vegetation Associations (Shepherd et al 2001): 676 - succulent steppe; samphire. 127 - bare areas; mud flats. 177 - hummock grasslands, sparse shrub steppe; Acacia bivenosa over hard spinifex, Triodia brizoides. 589 - mosaic: short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft spinifex.	The application to clear 25 hectares of native vegetation is for the purpose of geotechnical investigation, archaeological excavation, heritage surveys, cadastre surveys, servicing locations and environment services.	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994) To Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The vegetation condition was assessed through Flora and Vegetation survey (Onshore 2008a and 2008b). The vegetation under application is described as (Onshore 2008a and 2008b): Coastal Fringe * Interidal Mud Flats - Very good condition * Tidal Swamp - Excellent condition * Foredune - Good condition * Coastal Dune - Good-Degraded condition Undulating Inland Plain * Plain - Good - Degraded condition * Inland Dune - Very Good condition * Interdunal Swale - Very Good condition * Calcrete Platform - Very Good - Good condition * Drainage Foci - Good condition * Unincised Drainage Line - Good condition

Saline Plain
* Claypan - Excellent - Very Good condition
* Saline Plains - Very Good – Good condition
* Fringing Claypan Scalds - Good – Degraded condition

3. Assessment of application against clearing principles

Comments This amendment is to include the additional purposes of heritage surveys, cadastre surveys, servicing locations and environmental services. Condition 5(b) has been amended to allow for clearing until 30 June 2018, in line with the applicants current Section 91 Licence 951/2008. The permit expiry has also been extended until 30 June 2028 to allow for the implementation of Condition 10.

Since the assessment of CPS 2908/6 two additional priority flora species, *Eleocharis papillosa* (Priority 3) and *Eremophila forrestii* subsp. *viridis* Chinnock (Priority 3) have been recorded within the local area (20 kilometre radius) on similar soil and vegetation types. Suitable habitat for these species may be located within the application area. Condition 8(a) of CPS 2908/6 (Flora management) has been amended to mitigate impacts to ensure priority flora species are avoided during clearing.

A review of current environmental information reveals no further additional information. Therefore the assessment against the remaining clearing principles has not changed and can be found in Clearing Permit Decision Report CPS 2908/4.

Methodology GIS Databases:
SAC Biodata sets November 2015

Planning instruments and other relevant matters.

Comments No submissions have been received in relation to this application.

Methodology

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.
- Onshore, 2008a. Flora and vegetation survey. Ashburton North Project, Chevron Australia. Onshore Environmental Consultants Pty Ltd. August 2008
- Onshore, 2008b. Flora and vegetation survey. Ashburton North Project Area - Stage 2, Chevron Australia. Onshore Environmental Consultants Pty Ltd. November 2008
- Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.