



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	5921/2
Duration of Permit:	From 27 January 2014 to 27 January 2024
Permit Holder:	Department of Mines and Petroleum

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

PART I - CLEARING AUTHORISED

- 1. Land on which clearing may be done**
Within the area cross-hatched yellow on attached Plan 5921/2.
- 2. Purpose for which clearing may be done**
Clearing for the purpose of 3D seismic survey.
- 3. Area of Clearing**
The Permit Holder must not clear more than 40 hectares of native vegetation within the area cross-hatched yellow on attached Plan 5921/2.
- 4. Period in which clearing is authorised**
The Permit Holder shall not clear any native vegetation after 27 January 2019.
- 5. Authorised activity**
The Permit Holder shall retain *habitat trees* found within the area cross hatched yellow on attached Plan 5921/2.
- 6. 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

- 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. Weed and dieback control**
 - (a) 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* and *dieback*:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;

- (ii) shall only move soils in *dry conditions*;
 - (iii) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
 - (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- (b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

9. Environmental management plan

In relation to the area cross-hatched yellow on attached Plan 5921/2, the Permit Holder must implement and adhere to the document *3D Seismic Survey Harvey and Waroona Environmental Management Plan - Final December 2013*.

10. Flora Management

Where rare flora listed in the *Wildlife Conservation (Rare Flora) Notice* or *priority flora* have been identified and their written location(s), provided to the CEO, the Permit Holder shall ensure that:

- (a) no clearing of *critical habitat* of the identified rare or *priority flora* occurs, unless first approved by the CEO.
- (b) no clearing of the identified rare or *priority flora* occurs, unless first approved by the CEO.

11. Threatened ecological community management

Where *threatened ecological communities* or *priority ecological communities* have been identified and their written locations provided to the CEO, the Permit Holder shall ensure that:

- (a) no clearing occurs within 50 metres of identified *threatened ecological communities*, unless first approved by the CEO; and
- (b) no clearing occurs within 20 metres of identified *priority ecological communities*, unless first approved by the CEO.

12. Vegetation Management

- (a) Where practicable the Permit Holder shall avoid clearing *riparian vegetation*;
- (b) Where a *watercourse* is to be impacted by clearing, the Permit Holder shall maintain the existing surface flow;
- (c) Ensure no clearing within lakes identified within the *Environment Protection (Swan Coastal Plain Lakes) Policy 1992*; and
- (d) Ensure no clearing within conservation category wetlands.

13. Retain vegetative material and topsoil, revegetation and rehabilitation

The Permit Holder shall:

- (a) Retain the vegetative material removed by clearing authorised under this Permit and stockpile the vegetative material and topsoil;
- (b) At an *optimal time* following clearing authorised under this Permit, *revegetate* and *rehabilitate* the areas that are no longer required for the purpose for which they were cleared under this Permit by laying the vegetative material retained under condition 13(a) on the cleared areas(s).
- (c) within 18 months of undertaking *revegetation* and *rehabilitation* in accordance with condition 13(b) of this Permit, engage an *environmental specialist* to determine the species composition, structure and density of the area *revegetated* and *rehabilitated*; and
- (d) Where additional *planting* or *direct seeding* of native vegetation is undertaken in accordance with condition 13(c)(ii) of this permit, the Permit Holder shall repeat condition 13(c)(i) and 13(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 13(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 13(c)(ii), the CEO may require the Permit Holder to undertake additional planting and direct seeding in accordance with the requirements under condition 13(c)(ii).

PART III - RECORD KEEPING AND REPORTING

14. Records to be kept

- (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;
 - (iii) the size of the area cleared (in hectares); and
 - (iv) the purpose for which clearing was undertaken.
- (b) In relation to the environmental management plan in condition 9, a description of the management activities undertaken.
- (c) In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 13 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; and
 - (iv) the size of the area *revegetated* and *rehabilitated* (in hectares).

15. Reporting

- (a) The Permit Holder must provide to the CEO on or before 1 July of each year, a written report:
- (i) of records required under condition 14 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 1 July of each year.
- (c) Prior to 1 November 2023, the Permit Holder must provide to the CEO a written report of records required under condition 14 of this Permit where these records have not already been provided under condition 15(a) of this Permit.

DEFINITIONS

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

critical habitat means any part of the Permit Area comprising of the habitat of flora or fauna species and its population, that is critical for the health and long term survival of the flora or fauna species and its population;

dieback means the effect of *Phytophthora* species on native vegetation;

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;

dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

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;

habitat tree means trees that have a diameter, measured at 1.5 metres from the base of the tree, of 50 centimetres or greater, that contains or has the potential to develop hollows or roosts suitable for native fauna;

local provenance means native vegetation seeds and propagating material from natural sources within 10 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion 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 April to June for undertaking *direct seeding*, and the period from May to June for undertaking *planting*;

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

priority ecological community/ies mean those ecological communities described as priority classes 1, 2, 3, 4 or 5 in the *Department of Parks and Wildlife's Priority Ecological Communities for Western Australia* (as amended);

priority flora means those plant taxa described as priority flora classes 1, 2, 3, 4 or 5 in the *Department of Environment and Conservation's Threatened 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.

riparian vegetation has the meaning given to it in Regulation 3 of the Environmental Protection (Clearing of Native Vegetation) Regulations 2004;

threatened ecological community/ies has the meaning given to it in clause 3 of the *Environmental Protection (Environmentally Sensitive Areas) Notice 2005*;

watercourse has the meaning given to it in section 3 of the *Rights in Water and Irrigation Act 1914*;

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 the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

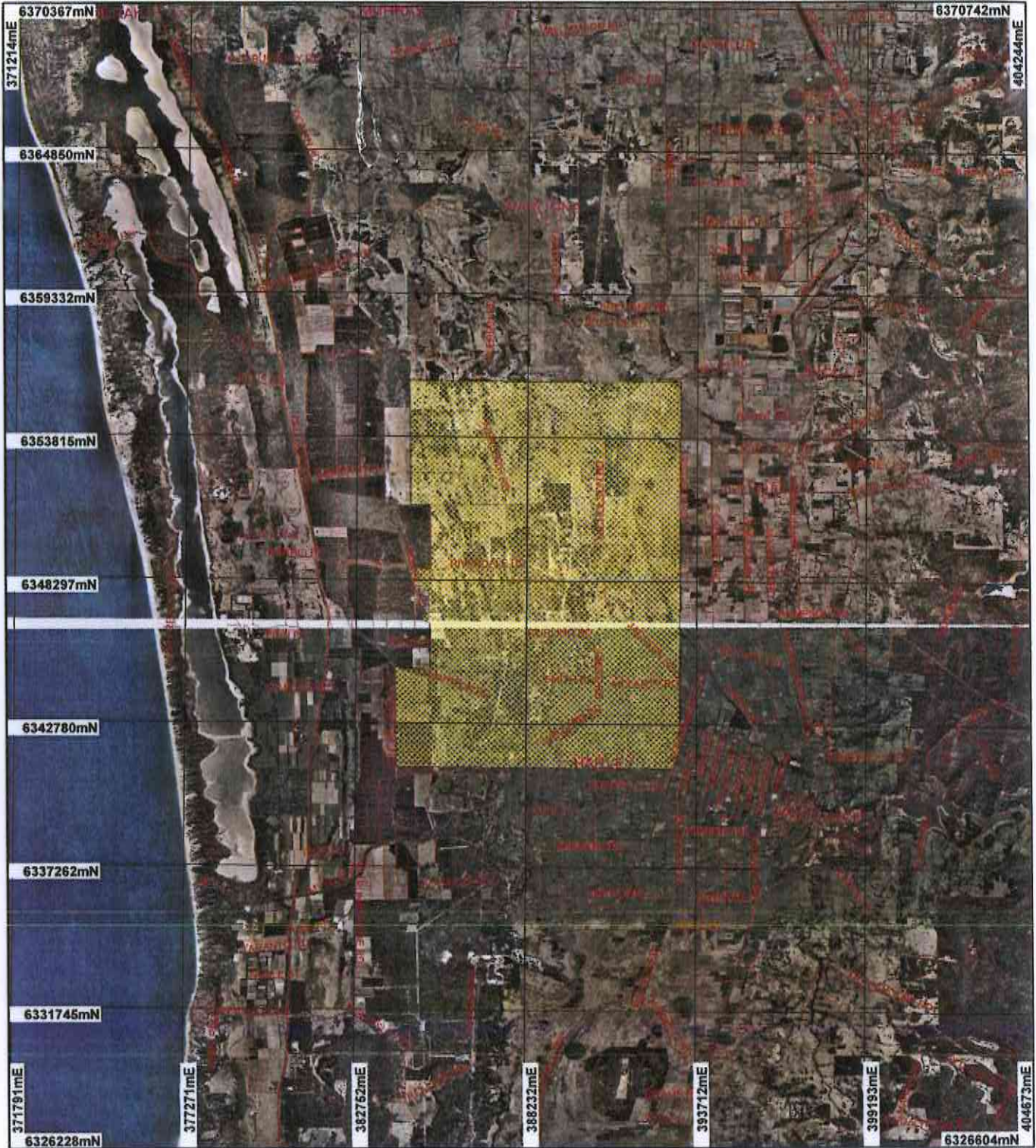


M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

14 March 2014

Plan 5921/2



LEGEND

- Road Centrelines
- Cadastral
- Local Government Authorities
- Clearing Instruments
- Areas Approved to Clear

Bunbury 50cm Orthomosaic -
Landgate 2008

Pinjarra 50cm Orthomosaic -
Landgate 2006



0 ————— 5 km

Scale 1:194479

(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.

M Warnock Date 14/3/14

M Warnock

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

Information derived from this map should be
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by the agency acronym in the legend.



Government of Western Australia
Department of Environment Regulation

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