



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4457/2

File Number: 2011/005807-1

Duration of Permit: From 19 September 2011 to 19 September 2013

PERMIT HOLDER

Cristal Pigment Australia Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Lot 4580 on Deposited Plan 205851 (Crooked Brook 6236).

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 34 native trees within the area hatched yellow on attached Plan 4457/2.

CONDITIONS

Nil.

A handwritten signature in cursive script, appearing to read "M Warnock", written over a horizontal line.

M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

23 May 2013

Plan 4457/2



LEGEND

- Cadastre for labelling Local Government Authorities
- Bunbury 50cm Orthomosaic - Landgate 2008
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear

Scale 1:5000
(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 23/5/13

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.

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1. Application details

1.1. Permit application details

Permit application No.: 4457/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: John Anthony and Ylario Ursino

1.3. Property details

Property: LOT 4580 ON PLAN 205851 (House No. 322 PANIZZA CROOKED BROOK 6236)
LOT 4580 ON PLAN 205851 (House No. 322 PANIZZA CROOKED BROOK 6236)

Local Government Area: Shire of Dardanup

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
	34	Mechanical Removal	Extractive Industry

1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 25 August 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
Mapped Beard vegetation association Pinjarra 1181 is described as Medium woodland, jarrah & Eucalyptus haematoxylon (Whicher Range).	The proposal is to clear 34 native trees for the purpose of sand and gravel extraction.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	Condition of Vegetation assessed using aerial imagery (Bunbury 50cm Orthomosaic - Landgate 2008).

Hedde vegetation complex: Cartis Complex described as low open forest to open forest of Eucalyptus marginata (Jarrah) - Corymbia calophylla (Marri) - Corymbia haematoxylon (Mountain Marri) with some Banksia attenuata (Slender Banksia) and Xylomelum occidentale (Woody Pear) on slopes of escarpment in the humid zone.

Mattiske vegetation complex: WC is described as Open forest of Eucalyptus marginata subsp. marginata - Corymbia calophylla on escarpment with some Corymbia haematoxylon, 4 Banksia attenuata and Xylomelum occidentale in the humid zone.

3. Assessment of application against clearing principles

The application is to clear up to 34 native trees within Lot 4580 on Plan 205851, Crooked Brook, Shire of Dardanup, for the purpose of sand and gravel extraction.

Within the local area (10km radius) there were 6 fauna species of conservation significance. The closest records are the Western Ringtail Possum (WRP) (*Pseudocheirus occidentalis*), (Vulnerable under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC) and a 'Threatened' species under the Wildlife Conservation Act (WC Act) 1950), which was recorded 3.2km west of application area and the Forest Red-tailed black cockatoo (*Calyptorhynchus banksii* subsp. *naso*) (Vulnerable under the EPBC Act 1999 and a 'Threatened' species under the WC Act 1950), which is recorded 5.1km east of the application area. Given the completely degraded condition of the application area and the close proximity of Dardanup forest blocks, less than 1km east, the proposed clearing is not likely contain significant habitat for fauna native to Western Australia.

The assessment determined that the proposed clearing is not likely to significantly impact any biodiversity, habitat or environmental values or cause any appreciable land degradation within the local or regional context. Therefore, the proposed clearing is not likely to be at variance to any of the clearing principles.

Methodology References:
- DEC (2007 -)
GIS databases:
- Bunbury 50cm Orthomosaic - Landgate 2008
- SAC Biodatasets - accessed 20 July 11

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

Comments

The proposal is to clear up to 34 native trees within Lot 4580 on Plan 205851, Crooked Brook, Shire of Dardanup, for the purpose of sand and gravel extraction.

The application area is zoned General farming under the Town Planning Scheme.

The Shire of Dardanup advised that a Planning Application for an Extractive Industry has been received for the subject property and is currently being processed (Shire of Dardanup 2011).

Methodology References
Shire of Dardanup 2011
GIS Databases:
- Cadastre
- Town Planning Scheme Zones

4. References

- DEC (2007-) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/> (Accessed 20/07/2011).
- Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment Australia.
- Shepherd, D.P. (2009) 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.
- Shire of Dardanup (2011) Application to clear native vegetation under the Environmental Protection Act 1986 (CPS 4457/1) Lot 4580 on Deposited Plan 205851, Crooked Brook. Direct Interest Response. Received 22/07/2011. DEC Ref: A415455

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)