



Clearing Permit Decision Report

1. Application details

1.1. Permit application details

Permit application No.: 3891/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Australian Garnet Pty Ltd

1.3. Property details

Property: Mining Lease 70/1280
Miscellaneous Licence 70/134
Local Government Area: Shire of Northampton
Colloquial name: Balline Garnet Mine

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
90		Mechanical Removal	Mineral Production

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 30 July 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 have been mapped for the whole of Western Australia and are useful to look at vegetation in a regional context. The following Beard vegetation association is located within the application area (GIS Database): 17: Shrublands; <i>Acacia rostellifera</i> thicket. A vegetation survey of the application area was conducted in September 2008. The following six vegetation communities were identified (Ecoscape, 2009): 1. TOSSAr: Tall Open Scrub <i>Acacia rostellifera</i> to 5 metres in height over mixed Open Shrubland of <i>Alyogyne hakeifolia</i> , <i>Phyllanthus calycinus</i> and <i>Diplopeltis petiolaris</i> to 1.5 metres in height; 2. CHMC: Closed Heath <i>Melaleuca cardiophylla</i> to 1.5 metres in height over scattered <i>Pimelea microcephala</i> dominated Low Open Shrubland to 0.6 metres in height; 3. TCSAr: Tall Closed Scrub <i>Acacia rostellifera</i> to 6 metres in height over scattered <i>Alyogyne hakeifolia</i> , <i>Phyllanthus calycinus</i> and <i>Pimelea microcephala</i> to 1.5 metres in height; 4. OsTbDpAr: Open Shrubland of <i>Thryptomene baeckeacea</i> , <i>Diplopeltis petiolaris</i> and <i>Acacia rostellifera</i> to 2 metres in height over <i>Avena fatua</i>	Balline Garnet Mine. Australian Garnet Pty Ltd proposes to clear up to 90 hectares of native vegetation within a total permit boundary of approximately 142.3 hectares, for the purpose of mineral production. The project is located approximately 18 kilometres north of Gregory.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery, 1994). to Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994).	The vegetation condition was assessed by a botanist from Ecoscape (2009) and the assessing officer on 1 April 2015. Parts of the application area are used for agriculture and contain no native vegetation. The application is for the construction of the Balline Garnet Mine. The project includes an open cut pit, a wet gravity separation plant and a dry processing plant (Environ Australia, 2010). Clearing will be by mechanical means. Clearing permit CPS 3891/1 was granted by the Department of Mines and Petroleum on 25 November 2010 authorised the clearing of up to 90 hectares.

dominated grassland;

5. TOTCSAR: Tall Open to Tall Closed Scrub *Acacia rostellifera* to 5 metres, over an Open Shrubland of *Pimelea microcephala* to 2 metres over *Brassica napus* and *Avena fatua* Grassland; and

6. TSAr: Tall Shrubland *Acacia rostellifera* to 4 metres in height over *Avena fatua* dominated Grassland.

3. Assessment of application against clearing principles

Comments

Australian Garnet Pty Ltd has applied to extend the duration of the permit by an additional five years to 31 December 2020. The amount of clearing authorised and permit boundary remain unchanged.

The proposed amendment is unlikely to result in any change to the environmental impacts of the proposed clearing. The assessment against the clearing principles remains consistent with the assessment contained in decision report CPS 3891/1.

Methodology

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

Comments

There is one native title claims over the area under application (Department of Aboriginal Affairs, 2015). The mining tenure has been granted in accordance with the future act regime of the *Native Title Act 1993* and the nature of the act (i.e. the proposed clearing activity) has been provided for in that process, therefore the granting of a clearing permit is not a future act under the *Native Title Act 1993*.

According to available databases, there are three registered Aboriginal Sites of Significance within the application area (Department of Aboriginal Affairs, 2015). It is the proponent's responsibility to comply with the *Aboriginal Heritage Act 1972* and ensure that no Aboriginal Sites of Significance are damaged through the clearing process.

It is the proponent's responsibility to liaise with the Department of Environment Regulation and the Department of Water, to determine whether a Works Approval, Water Licence, Bed and Banks Permit, or any other licences or approvals are required for the proposed works.

Methodology Department of Aboriginal Affairs (2015)

4. References

Department of Aboriginal Affairs (2015) Aboriginal Heritage Inquiry System. Accessed on 18 June 2015.

Ecoscape (2009) Haddinton Resources Balline - Level 1 Flora and Fauna Assessment. Unpublished report for Environ Pty Ltd dated April 2009.

Environ Australia (2010) Supporting Information for the Clearing Permit Application for the Balline Resources Garnet Mine M70/1280, L70/134. Unpublished report for Australian Garnet Pty Ltd dated August 2010.

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

5. Glossary

BoM	Bureau of Meteorology, Australian Government
DAA	Department of Aboriginal Affairs, Western Australia
DAFWA	Department of Agriculture and Food, Western Australia
DEC	Department of Environment and Conservation, Western Australia (now DPaW and DER)
DER	Department of Environment Regulation, Western Australia
DMP	Department of Mines and Petroleum, Western Australia
DRF	Declared Rare Flora
DotE	Department of the Environment, Australian Government
DoW	Department of Water, Western Australia
DPaW	Department of Parks and Wildlife, Western Australia
DSEWPaC	Department of Sustainability, Environment, Water, Population and Communities (now DotE)
EPA	Environmental Protection Authority, Western Australia
EP Act	<i>Environmental Protection Act 1986</i> , Western Australia
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i> (Federal Act)

GIS	Geographical Information System
ha	Hectare (10,000 square metres)
IBRA	Interim Biogeographic Regionalisation for Australia
IUCN	International Union for the Conservation of Nature and Natural Resources – commonly known as the World Conservation Union
PEC	Priority Ecological Community, Western Australia
RIWI Act	<i>Rights in Water and Irrigation Act 1914</i> , Western Australia
s.17	Section 17 of the <i>Environment Protection Act 1986</i> , Western Australia
TEC	Threatened Ecological Community

Definitions:

{DPaW (2013) Conservation Codes for Western Australian Flora and Fauna. Department of Parks and Wildlife, Western Australia}:-

- T Threatened species:**
Specially protected under the *Wildlife Conservation Act 1950*, listed under Schedule 1 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna or the Wildlife Conservation (Rare Flora) Notice for Threatened Flora (which may also be referred to as Declared Rare Flora).
Threatened Fauna and Flora are further recognised by DPaW according to their level of threat using IUCN Red List criteria. For example Carnaby's Cockatoo *Calyptorhynchus latirostris* is specially protected under the *Wildlife Conservation Act 1950* as a threatened species with a ranking of Endangered.
Rankings:
CR: Critically Endangered - considered to be facing an extremely high risk of extinction in the wild.
EN: Endangered - considered to be facing a very high risk of extinction in the wild.
VU: Vulnerable - considered to be facing a high risk of extinction in the wild.
- X Presumed Extinct species:**
Specially protected under the *Wildlife Conservation Act 1950*, listed under Schedule 2 of the Wildlife Conservation (Specially Protected Fauna) Notice for Presumed Extinct Fauna and Wildlife Conservation (Rare Flora) Notice for Presumed Extinct Flora (which may also be referred to as Declared Rare Flora).
- IA Migratory birds protected under an international agreement:**
Specially protected under the *Wildlife Conservation Act 1950*, listed under Schedule 3 of the Wildlife Conservation (Specially Protected Fauna) Notice.
Birds that are subject to an agreement between governments of Australia and Japan, China and The Republic of Korea relating to the protection of migratory birds and birds in danger of extinction.
- S Other specially protected fauna:**
Specially protected under the *Wildlife Conservation Act 1950*, listed under Schedule 4 of the Wildlife Conservation (Specially Protected Fauna) Notice.
- P1 Priority One - Poorly-known species:**
Species that are known from one or a few collections or sight records (generally less than five), all on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, Shire, rail reserves and Main Roads WA road, gravel and soil reserves, and active mineral leases and under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes.
- P2 Priority Two - Poorly-known species:**
Species that are known from one or a few collections or sight records, some of which are on lands not under imminent threat of habitat destruction or degradation, e.g. national parks, conservation parks, nature reserves, State forest, unallocated Crown land, water reserves, etc. Species may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes.
- P3 Priority Three - Poorly-known species:**
Species that are known from collections or sight records from several localities not under imminent threat, or from few but widespread localities with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Species may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and known threatening processes exist that could affect them.
- P4 Priority Four - Rare, Near Threatened and other species in need of monitoring:**
(a) Rare. Species that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These species are usually represented on conservation lands.
(b) Near Threatened. Species that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable.
(c) Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.
- P5 Priority Five - Conservation Dependent species:**
Species that are not threatened but are subject to a specific conservation program, the cessation of which would result in the species becoming threatened within five years.

Principles for clearing native vegetation:

- (a) Native vegetation should not be cleared if it comprises a high level of biological diversity.
- (b) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.
- (c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, rare flora.
- (d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community.
- (e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.
- (f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.
- (g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.
- (h) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.
- (i) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.
- (j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence or intensity of flooding.