



# Clearing Permit Decision Report

## 1. Application details

### 1.1. Permit application details

Permit application No.: 4600/2  
Permit type: Purpose

### 1.2. Proponent details

Proponent's name: Sinosteel Midwest Corporation Limited

### 1.3. Property details

Property: Exploration Licence 70/2433  
Local Government Area: Shires of Morawa and Perenjori  
Colloquial name: Koolanooka Project

### 1.4. Application

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

### 1.5. Decision on application

Decision on Permit Application: Granted  
Decision Date: 6 April 2017

## 2. Site Information

### 2.1. Existing environment and information

#### 2.1.1. Description of the native vegetation under application

**Vegetation Description** 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 has been mapped within the application area (GIS Database):

693: Mosaic: Low woodland: *Allocasuarina huegeliana* over mallee and *Acacia* scrub / *Allocasuarina campestris* thicket.

A flora and vegetation survey of the application area was conducted by Maia Environmental Consultancy (Maia) between 17 and 26 June 2011. The following 16 vegetation associations were recorded within the permit area (Maia, 2011):

1. Open Low Forest of *Eucalyptus ebbanoensis* subsp. *ebbanoensis*;
2. Open Low Shrubland of *Philotheca brucei* subsp. *brucei*, *Eremophila clarkei* and *Acacia andrewsi* with an Open Low Woodland of *Eucalyptus ebbanoensis* subsp. *ebbanoensis*;
3. Open Tall Shrubland of *Acacia ramulosa* var. *ramulosa* with Open Mid Shrubland of *Aluta aspera* subsp. *hesperia*;
4. Tall Shrubland of *Melaleuca nematophylla* with an Open Mid Shrubland of *Acacia ramulosa* var. *ramulosa* and +/- Scattered Low Mallee Trees of *Eucalyptus leptopoda* subsp. *arctata*;
5. Mid Shrubland of *Aluta aspera* subsp. *hesperia* with an Open Tall Shrubland of *Melaleuca nematophylla*, *Allocasuarina acutivalvis* subsp. *prinsepiana* and *Acacia coolgardiensis* and Scattered Low Trees of *Eucalyptus ebbanoensis* subsp. *ebbanoensis*;
6. Mid Shrubland of *Melaleuca radula* with an Open Tall Shrubland to Low Woodland of *Allocasuarina acutivalvis* subsp. *prinsepiana* and *Acacia acuminata*;
7. Open Tall Shrubland *Allocasuarina acutivalvis* subsp. *prinsepiana* with +/- Open Mid Shrubland of *Grevillea paradoxa* and *Calycopeplus paucifolius* and Open Low Shrubland of *Xanthosia bungei* +/- *Daviesia hakeoides* subsp. *hakeoides*;
8. Open Tall Shrubland of *Acacia acuminata* with an Open Low Shrubland of *Mirbelia depressa* and Scattered Low Trees of *Eucalyptus leptopoda* subsp. *arctata*;
9. Mallee Woodland of *Eucalyptus ebbanoensis* subsp. *ebbanoensis* with a Low Woodland of *Allocasuarina acutivalvis* subsp. *prinsepiana*;
10. Open Low Forest of *Allocasuarina acutivalvis* subsp. *prinsepiana* with a Sparse Mid Shrubland of *Acacia andrewsi*;

11. Low Woodland of *Acacia ramulosa* var. *ramulosa* and *Acacia assimilis* subsp. *assimilis* with a Sparse Low Shrubland of *Acacia andrewsi*;
12. Mid Woodland of *Eucalyptus loxophleba* subsp. *supralaevis* with an Open Low Shrubland of *Rhagodia drummondii* and *Ptilotus obovatus* subsp. *obovatus*;
13. Mid Woodland of *Eucalyptus loxophleba* subsp. *supralaevis* with an Open Mid Shrubland of *Eremophila clarkei* and *Dodonaea adenophora*;
14. Open Tall Shrubland of *Acacia ramulosa* var. *ramulosa* with an Open Mid Woodland of *Eucalyptus loxophleba* subsp. *supralaevis*;
15. Sparse Tall Shrubland of *Acacia acuminata* and *Allocasuarina acutivalvis* subsp. *prinsepiana* with a Sparse Mid Shrubland of *Acacia andrewsi* and *Dodonaea adenophora* and Sparse Low Shrubland of *Grevillea paradoxa* and *Acacia acanthoclada* subsp. *glaucescens*; and
16. Open tall Shrubland of *Acacia acuminata* and *Acacia ramulosa* var. *ramulosa*.

<b>Clearing Description</b>	Koolanooka Project Sinosteel Midwest Corporation has applied to clear up to 2.9 hectares of native vegetation within a total boundary of 36.6 hectares for the purpose of mineral exploration. The project area is comprised of two areas located within separate remnants of vegetation located 10 kilometres apart, approximately 17 to 20 kilometres north of Perenjori respectively.
<b>Vegetation Condition</b>	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).
<b>Comment</b>	The vegetation condition was assessed by botanists from Maia (2011).

### 3. Assessment of application against clearing principles

#### Comments

Sinosteel Midwest Corporation has applied to extend the duration of the permit by an additional five years to the 5 May 2022. The amount of clearing authorised and the permit boundary remain unchanged.

The proposed amendment is unlikely to result in any significant change to the environmental impacts of the proposed clearing. The assessment of the clearing principles remains consistent with the assessment contained in decision report CPS 4600/1.

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

#### Comments

There is one Native Title claim (WC2004/002) over the permit area (Department of Aboriginal Affairs, 2017). However, 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*.

There is one registered Aboriginal Site of Significance located within the permit area (Department of Aboriginal Affairs, 2017). 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, the Department of Parks and Wildlife 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 (2017)

### 4. References

- Department of Aboriginal Affairs (2017) Aboriginal Heritage Enquiry System. Department of Aboriginal Affairs. <http://maps.dia.wa.gov.au/AHIS2/> (Accessed 28 February 2017).
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Maia (2011) Koolanooka Tenements M70/1012, M70/1013 and E70/2433 - Targeted Flora Survey. Report prepared for Sinosteel Midwest Corporation, by Maia Environmental Consultancy, 26 August 2011.

## 5. Glossary

### Acronyms:

<b>BoM</b>	Bureau of Meteorology, Australian Government
<b>DAA</b>	Department of Aboriginal Affairs, Western Australia
<b>DAFWA</b>	Department of Agriculture and Food, Western Australia
<b>DEC</b>	Department of Environment and Conservation, Western Australia (now DPaW and DER)
<b>DEE</b>	Department of the Environment and Energy, Australian Government
<b>DER</b>	Department of Environment Regulation, Western Australia
<b>DMP</b>	Department of Mines and Petroleum, Western Australia
<b>DRF</b>	Declared Rare Flora
<b>DoE</b>	Department of the Environment, Australian Government (now DEE)
<b>DoW</b>	Department of Water, Western Australia
<b>DPaW</b>	Department of Parks and Wildlife, Western Australia
<b>DSEWPaC</b>	Department of Sustainability, Environment, Water, Population and Communities (now DEE)
<b>EPA</b>	Environmental Protection Authority, Western Australia
<b>EP Act</b>	<i>Environmental Protection Act 1986</i> , Western Australia
<b>EPBC Act</b>	<i>Environment Protection and Biodiversity Conservation Act 1999</i> (Federal Act)
<b>GIS</b>	Geographical Information System
<b>ha</b>	Hectare (10,000 square metres)
<b>IBRA</b>	Interim Biogeographic Regionalisation for Australia
<b>IUCN</b>	International Union for the Conservation of Nature and Natural Resources – commonly known as the World Conservation Union
<b>PEC</b>	Priority Ecological Community, Western Australia
<b>RIWI Act</b>	<i>Rights in Water and Irrigation Act 1914</i> , Western Australia
<b>TEC</b>	Threatened Ecological Community

### Definitions:

{DPaW (2015) Conservation Codes for Western Australian Flora and Fauna. Department of Parks and Wildlife, Western Australia):-

#### **T**

##### **Threatened species:**

Published as Specially Protected under the *Wildlife Conservation Act 1950*, listed under Schedules 1 to 4 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora (which may also be referred to as Declared Rare Flora).

**Threatened fauna** is that subset of 'Specially Protected Fauna' declared to be 'likely to become extinct' pursuant to section 14(4) of the Wildlife Conservation Act.

**Threatened flora** is flora that has been declared to be 'likely to become extinct or is rare, or otherwise in need of special protection', pursuant to section 23F(2) of the Wildlife Conservation Act.

The assessment of the conservation status of these species is based on their national extent and ranked according to their level of threat using IUCN Red List categories and criteria as detailed below.

#### **CR**

##### **Critically endangered species**

Threatened species considered to be facing an extremely high risk of extinction in the wild. Published as Specially Protected under the *Wildlife Conservation Act 1950*, in Schedule 1 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora.

#### **EN**

##### **Endangered species**

Threatened species considered to be facing a very high risk of extinction in the wild. Published as Specially Protected under the *Wildlife Conservation Act 1950*, in Schedule 2 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora.

#### **VU**

##### **Vulnerable species**

Threatened species considered to be facing a high risk of extinction in the wild. Published as Specially Protected under the *Wildlife Conservation Act 1950*, in Schedule 3 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora.

#### **EX**

##### **Presumed extinct species**

Species which have been adequately searched for and there is no reasonable doubt that the last individual has died. Published as Specially Protected under the *Wildlife Conservation Act 1950*, in

Schedule 4 of the Wildlife Conservation (Specially Protected Fauna) Notice for Presumed Extinct Fauna and Wildlife Conservation (Rare Flora) Notice for Presumed Extinct Flora.

- IA Migratory birds protected under an international agreement**  
Birds that are subject to an agreement between the government of Australia and the governments of Japan (JAMBA), China (CAMBA) and The Republic of Korea (ROKAMBA), and the Bonn Convention, relating to the protection of migratory birds. Published as Specially Protected under the *Wildlife Conservation Act 1950*, in Schedule 5 of the Wildlife Conservation (Specially Protected Fauna) Notice.
- CD Conservation dependent fauna**  
Fauna of special conservation need being species dependent on ongoing conservation intervention to prevent it becoming eligible for listing as threatened. Published as Specially Protected under the *Wildlife Conservation Act 1950*, in Schedule 6 of the Wildlife Conservation (Specially Protected Fauna) Notice.
- OS Other specially protected fauna**  
Fauna otherwise in need of special protection to ensure their conservation. Published as Specially Protected under the *Wildlife Conservation Act 1950*, in Schedule 7 of the Wildlife Conservation (Specially Protected Fauna) Notice.
- P Priority species**  
Species which are poorly known; or  
Species that are adequately known, are rare but not threatened, and require regular monitoring. Assessment of Priority codes is based on the Western Australian distribution of the species, unless the distribution in WA is part of a contiguous population extending into adjacent States, as defined by the known spread of locations.
- P1 Priority One - Poorly-known species:**  
Species that are known from one or a few locations (generally five or less) which are potentially at risk. All occurrences are either: very small; or on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, road and rail reserves, gravel reserves and active mineral leases; or otherwise under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes. Such species are in urgent need of further survey.
- P2 Priority Two - Poorly-known species:**  
Species that are known from one or a few locations (generally five or less), some of which are on lands managed primarily for nature conservation, e.g. national parks, conservation parks, nature reserves and other lands with secure tenure being managed for conservation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes. Such species are in urgent need of further survey.
- P3 Priority Three - Poorly-known species:**  
Species that are known from several locations, and the species does not appear to be under imminent threat, or from few but widespread locations 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 locations but do not meet adequacy of survey requirements and known threatening processes exist that could affect them. Such species are in need of further survey.
- 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 are close to qualifying for Vulnerable, but are not listed as Conservation Dependent.  
(c) Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.

#### **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.