



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	4615/7
Duration of Permit:	From 31 December 2011 to 31 December 2026
Permit Holder:	Hamersley Iron Pty Ltd

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 is to be done

Iron Ore (Mount Bruce) Agreement Act 1972, Mineral Lease 252SA (AML 70/252)

2. Purpose for which clearing may be done

Clearing for the purposes of mineral exploration, hydrogeological drilling, geotechnical investigations, construction camp and associated activities.

3. Area of Clearing

The Permit Holder must not clear more than 750 hectares of native vegetation. All clearing must be within the areas shaded yellow or shaded red on attached Plans 4615/7A and 4615/7B.

4. Period in which clearing is authorised

The Permit Holder shall not clear any native vegetation after 31 December 2021.

5. Restricted Clearing

The Permit Holder shall only clear native vegetation within the areas shaded red on attached Plans 4615/7A and 4615/7B for the purpose of access track construction and maintenance.

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. 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*:

- (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (ii) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (iii) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

8. Clearing not authorised

The Permit Holder shall not clear any native vegetation within 10 metres of *Sauropus* aff. *trachyspermus*, recorded at the following geographical coordinates expressed in Eastings and Northings using Geodetic Datum Australia 1994 (GDA 94) unless first approved by the CEO:

- (i) 714042E, 7503293N, Zone 50.

9. Flora management

Where *Synostemon hamersleyensis* and *Eremophila* sp. Hamersley Range (K. Walker KW 136) have been identified and their written locations, provided to the CEO, within reports 'Rio Tinto (2015) Desktop Flora, Vegetation and Fauna Habitat Assessment at Koodaideri. Native Vegetation Clearing Permit – Supporting Report. Prepared by Hamersley Iron Pty Ltd, December 2015' and 'Rio Tinto (2016) Flora, Vegetation and Fauna Habitat Assessment at Koodaideri. Native Vegetation Clearing Permit Application Supporting Report. Rio Tinto Iron Ore, Western Australia, August 2016', the Permit Holder shall ensure that:

- (i) No clearing of identified *Synostemon hamersleyensis* and *Eremophila* sp. Hamersley Range (K. Walker KW 136) occurs, unless first approved by the CEO; and
- (ii) no clearing occurs within 10 metres of identified *Synostemon hamersleyensis* and *Eremophila* sp. Hamersley Range (K. Walker KW 136), unless first approved by the CEO.

10. Vegetation Management

- (a) Where practicable the Permit Holder shall avoid clearing *riparian vegetation*; and
- (b) Where a *watercourse* or *drainage line* is to be impacted by clearing, the Permit Holder shall ensure that surface flow is maintained, or is reinstated downstream into existing natural drainage lines.

11. Retain vegetative material and topsoil, revegetation and rehabilitation

The Permit Holder shall:

- (a) retain the vegetative material and topsoil removed by clearing authorised under this Permit and stockpile the vegetative material and topsoil in an area that has already been cleared;
- (b) within 12 months following completion of 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:
 - (i) re-shaping the surface of the land so that it is consistent with the surrounding 5 metres of uncleared land;
 - (ii) laying the vegetative material and topsoil retained under Condition 11(a) on the cleared area; and
 - (iii) ripping the ground on the contour to remove soil compaction.
- (c) within 4 years of undertaking *revegetation* and *rehabilitation* in accordance with Condition 11(b) of this Permit:
 - (i) engage an *environmental specialist* to determine the species composition, structure and density of the area *revegetated* and *rehabilitated*; and
 - (ii) where, in the opinion of an *environmental specialist*, the composition structure and density determined under Condition 11(c)(i) of this Permit will not result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, *revegetate* the area by deliberately *planting* and/or *direct seeding* native vegetation that will result in a similar species composition, structure and density of native vegetation to pre-clearing vegetation types in that area and ensuring only *local provenance* seeds and propagating material are used.

PART III - RECORD KEEPING AND REPORTING

12. Records to be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

- (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) purpose for which clearing was undertaken.

- (b) In relation to the *revegetation* and *rehabilitation* of areas pursuant to Condition 11 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
 - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares).

13. Reporting

- (a) The Permit Holder shall provide a report to the Director Operations, Environment, Department of Mines and Petroleum by 30 June each year for the life of this permit, demonstrating adherence to all conditions of this permit, and setting out the records required under Condition 12 of this permit in relation to clearing carried out between 1 January and 31 December of the previous calendar year.

- (b) Prior to 31 December 2026, the Permit Holder must provide to the Director Operations, Environment, Department of Mines and Petroleum a written report of records required under Condition 12 of this Permit where these records have not already been provided under Condition 13(a) of this Permit.

DEFINITIONS

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

CEO means the Chief Executive Officer of the Department of Environment Regulation or an officer with delegated authority under Section 20 of the *Environmental Protection Act 1986*;

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;

drainage line means a natural depression that carries surface water runoff;

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;

local provenance means native vegetation seeds and propagating material from natural sources within 200 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;

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

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;

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 a Department of Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.



Marnie Leybourne | Director Operations
Operations, Environment
24 November 2016

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