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Published on 25 November 2009

Statement No.. 814

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

CUNDALINE AND CALLAWA MINING OPERATIONS

Proposal: BHP Billiton Iron Ore is proposing to develop the Cundaline and Callawa Iron Ore deposits located near the existing Goldsworthy operations, 200km east of Port Hedland in the Pilbara Region. New and existing Goldsworthy infrastructure would be utilised.

Proponent: BHP Billiton Iron Ore Pty Ltd

Proponent Address: St Georges Square, 225 St Georges Tce, Perth WA 6000

Assessment Number: 1812

Previous Assessment Numbers: Nil

Previous Statement Numbers: Nil

Report of the Environmental Protection Authority: 1338

Previous Reports of the Environmental Protection Authority: Nil

The proposal referred to in report 1338 of the Environmental Protection Authority may be implemented. The implementation of that proposal is subject to the following conditions and procedures:

1 Proposal Implementation

- 1-1 The proponent shall implement the proposal as assessed by the Environmental Protection Authority and described in schedule 1 of this statement subject to the conditions and procedures of this statement.

2 Proponent Nomination and Contact Details

- 2-1 The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal.
- 2-2 The proponent shall notify the Chief Executive Officer (CEO) of the Department of Environment and Conservation of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.

3 Time Limit of Authorisation

- 3-1 The authorisation to implement the proposal provided for in this statement shall lapse and be void within five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.
- 3-2 The proponent shall provide the CEO of the Department of Environment and Conservation with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.

4 Compliance Reporting

- 4-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO of the Department of Environment and Conservation.
- 4-2 The proponent shall submit to the CEO of the Department of Environment and Conservation, the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6. The compliance assessment plan shall indicate:
1. the frequency of compliance reporting;
 2. the approach and timing of compliance assessments;
 3. the retention of compliance assessments;
 4. reporting of potential non-compliances and corrective actions taken;

5. the table of contents of compliance reports; and
 6. public availability of compliance reports.
- 4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.
- 4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the CEO of the Department of Environment and Conservation.
- 4-5 The proponent shall advise the CEO of the Department of Environment and Conservation of any potential non-compliance within two business days of that non-compliance being known.
- 4-6 The proponent shall submit a compliance assessment report annually from the date of issue of this Implementation Statement addressing the previous twelve month period or other period as agreed by the CEO of the Department of Environment and Conservation. The compliance assessment report shall:
1. be endorsed by the proponent's Managing Director or a person, approved in writing by the Department of Environment and Conservation, delegated to sign on the Managing Director's behalf;
 2. include a statement as to whether the proponent has complied with the conditions;
 3. identify all potential non-compliances and describe corrective and preventative actions taken;
 4. be made publicly available in accordance with the approved compliance assessment plan; and
 5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.

5 Performance Review and Reporting

- 5-1 The proponent shall submit to the CEO of the Department of Environment and Conservation Performance Review Reports at the conclusion of the first, second, third and fifth years after the commencement of productive mining and then, at such intervals as the CEO of the Department of Environment and Conservation may regard as reasonable, which addresses:

- 1 the environmental risks and impacts; the performance objectives, standards and criteria related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to management of the major risks and impacts;
- 2 the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable; and
- 3 improvements gained in environmental management which could be applied to this and other similar projects.

6 Mine Closure and Rehabilitation

- 6-1 The proponent shall ensure that rehabilitation of waste dumps and areas disturbed through the implementation of the proposal is to be planned for and occurs progressively throughout the life of the mining operation.
- 6-2 The proponent shall ensure rehabilitation required under Condition 6-1 achieves the following outcomes within 5 years following the cessation of productive mining:
 1. The waste dumps shall not cause pollution and shall be constructed so that their final shape, size, stability, and ability to support local native vegetation are comparable to similar nearby natural landforms.
 2. Final pit voids shall be backfilled to at least five metres above the maximum measured pre-mining water table level (227m AHD at the Callawa pits).
 3. Areas to be rehabilitated under Condition 6-1 shall be rehabilitated with vegetation composed of native plant species of local provenance (as agreed by the CEO in consultation with Department of Environment and Conservation).
 4. The percentage cover of living native vegetation and species diversity in areas to be rehabilitated under Condition 6-1 shall meet targets identified by the proponent in accordance with the Decommissioning and Rehabilitation Plan referred to in condition 6-5, using the average values of suitable reference sites chosen in consultation with the Department of Environment and Conservation.
 5. The percentage of area covered by weeds (including both declared weeds and environmental weeds) shall not exceed that identified in baseline monitoring undertaken prior to commencement of operations, or exceed

that existent on comparable, nearby land which has not been disturbed during implementation of the proposal, whichever is less.

6. No new species of weeds (including both declared weeds and environmental weeds) shall be introduced into the area as a result of the implementation of the proposal.
- 6-3 The proponent shall continue rehabilitation activities for a minimum of 5 years and until such time as the requirements of condition 6-1 and 6-2 are met to the satisfaction of the CEO of the Department of Environment and Conservation on advice of the CEO of the Department of Mines and Petroleum.
- 6-4 The proponent shall review, and as necessary in accordance with current best practice, revise the Decommissioning and Rehabilitation Plan included at Appendix B of the Environmental Protection Statement at intervals not exceeding 2 years, to the satisfaction of the CEO of the Department of Environment and Conservation on advice of the CEO of the Department of Mines and Petroleum.
- 6-5 The proponent shall implement the Decommissioning and Rehabilitation Plan included at Appendix B of the BHP Billiton (2009) Cundaline and Callawa Mining Operations - Environmental Protection Statement, August 2009, Perth WA or the revision approved under Condition 6-4 to the satisfaction of the CEO of the Department of Environment and Conservation on advice of the CEO of the Department of Mines and Petroleum.

Procedures

1. Where a condition states “on advice of the Environmental Protection Authority”, the Environmental Protection Authority will provide that advice to the Department of Environment and Conservation for the preparation of written notice to the proponent.
2. The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environment and Conservation.
3. The Minister for Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment and Conservation over the fulfilment of the requirements of the conditions.
4. Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment and Conservation.
5. The proponent may be required to apply for a Works Approval and Licence for this project under the provisions of part V of the *Environmental Protection Act*

1986. The proponent should consult with the Department of Environment and Conservation in order to clarify requirements under part V of the *Environmental Protection Act 1986*.

Donna Faragher JP MLC
MINISTER FOR ENVIRONMENT; YOUTH

Schedule 1

The Proposal (Assessment No. 1812)

General Description

The proposal is to develop the Cundaline and Callawa iron ore deposits, using new infrastructure and infrastructure from the existing Goldsworthy operations.

The proposal is described in the following document – BHP Billiton Iron Ore Pty Ltd, Cundaline and Callawa Mining Operations, Environmental Protection Statement (2009).

Summary Description

A summary of the key proposal characteristics is presented in Table 1.

Table 1: Summary of key proposal characteristics

Element	Description
Mine life	Up to six years.
Production	Up to 5 million tonnes per annum.
Total overburden	Approximately 14.5Mt (Cundaline) and 15.5Mt (Callawa).
Area of disturbance	No more than 500 hectares.
Area of pits	Cundaline pits – 125 hectares. Callawa pits – 16 hectares.
Water demand	Up to 1.5 ML/day.
Water supply	Dewatering from Callawa deposit and continuing abstraction from Shay Gap well field to meet operational demands.
Off-site transport of ore	Existing rail facilities.
Overburden storage	Out of pit Overburden Storage Areas to the north of Cundaline and north and east of Callawa, in pit placement of overburden at Callawa to 5 m above the water table level.
Infrastructure	Use of existing Goldsworthy processing facilities or mobile crushing and screening, administrative facilities, workshops, storage areas and accommodation facilities. Construction of offices, toilet facilities, crib rooms and turkey's nest dams.
Final pit voids	Backfilled to 5 metres above the maximum measured pre-mining water table level (227 m AHD at the Callawa pits).

Figure attached:

Figure 1 Layout of Goldsworthy Iron Ore Operations

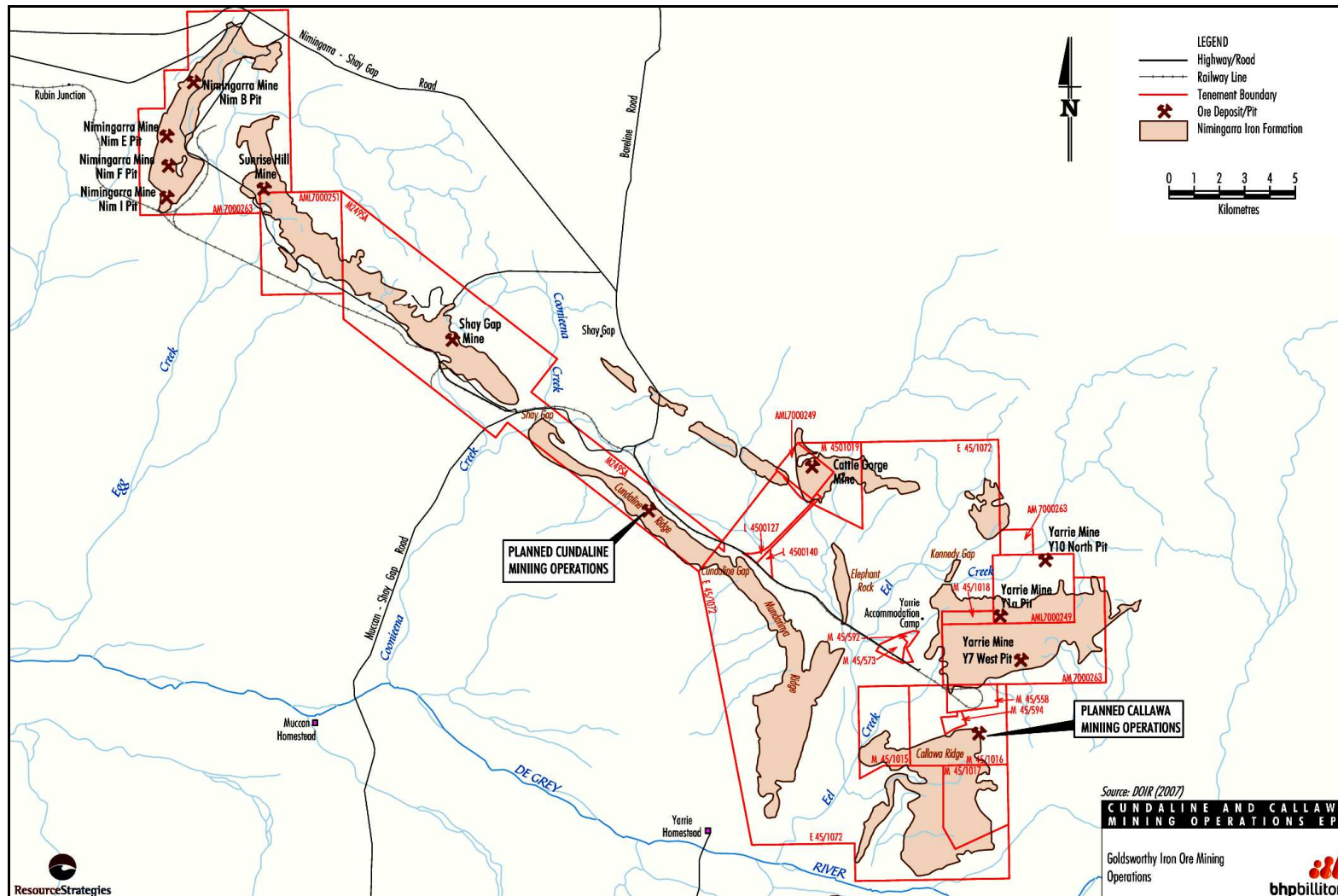


Figure 1: Layout of Goldsworthy Iron Ore Operations

Attachment 1 to Ministerial Statement 814

Change to proposal under s45C of the *Environmental Protection Act 1986*

Proposal: Cundaline and Callawa Mining Operations

Proponent: BHP Billiton Iron Ore Pty Ltd

Change: Increase in maximum disturbance and land disturbance boundaries

Key Characteristics Table: This table replaces Table 1 in Schedule 1

<u>Element</u>	<u>Description of proposal</u>	<u>Description of approved change to proposal</u>
Life of Mine	Up to six years	Up to 20 years
Production	Up to 5 Mtpa	Up to 5 Mtpa
Total Overburden	Approximately 14.5Mt (Cundaline) and 15.5Mt (Callawa)	Removed – incorporated into Overburden storage characteristic
Area of disturbance	No more than 500 ha	No more than 624 ha
Areas of pits	Cundaline pits – 125 ha Callawa pits – 16 ha	Cundaline pits – 127 ha Callawa pits – 16 ha
Water demand	Up to 1.5 ML/day	Up to 1.5 ML/day
Water supply	Dewatering from Callawa deposit and continuing abstraction from Shay Gap well field to meet operational demands	Dewatering from Callawa deposit and continuing abstraction from Shay Gap well field to meet operational demands
Off-site transport of ore	Existing rail facilities	Removed – not environmentally significant
Overburden storage	Out of pit Overburden Storage Areas to the north of Cundaline and north and east of Callawa, in pit placement of overburden at Callawa to 5 m above the water table level.	Out of pit Overburden Storage Areas to the north of Cundaline (approximately 45Mt) and north and east of Callawa, in pit placement of overburden at Callawa to 5 m above the water table level (approximately 15.5Mt).
Infrastructure	Use of existing Goldsworthy processing facilities or mobile crushing and screening, administrative facilities, workshops, storage areas and accommodation facilities. Construction of offices, toilet facilities, crib rooms and turkey's nest dams	Use of existing Goldsworthy processing facilities or mobile crushing and screening, administrative facilities, workshops, storage areas and accommodation facilities. Construction of ancillary mining infrastructure

Final pit voids	Backfilled to 5 metres above the maximum measured pre-mining water table level (227 m AHD at the Callawa pits).	Backfilled to 5 metres above the maximum measured pre-mining water table level (227 m AHD at the Callawa pits).
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Note: Text in **bold** in the Key Characteristics Table, indicates change/s to the proposal.

List Figures: Figure 2: Mine footprint approved (November, 2009) against s45C expansion footprint (January, 2013)

Figure 3: Approved maximum disturbance boundary

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 11 February 2013

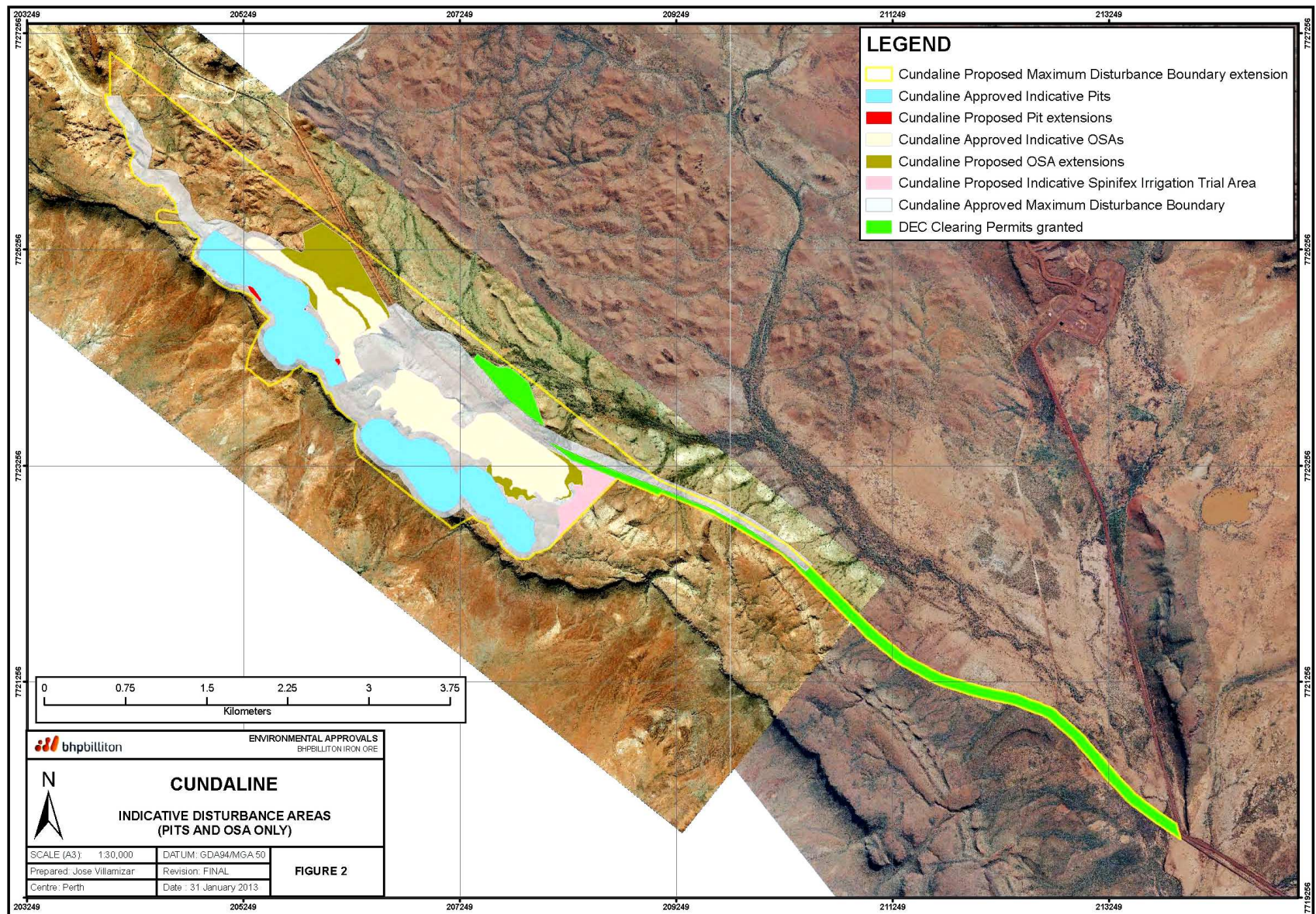


Figure 2: Approved mine footprint (November, 2009), against s45C expansion footprint (January, 2013)

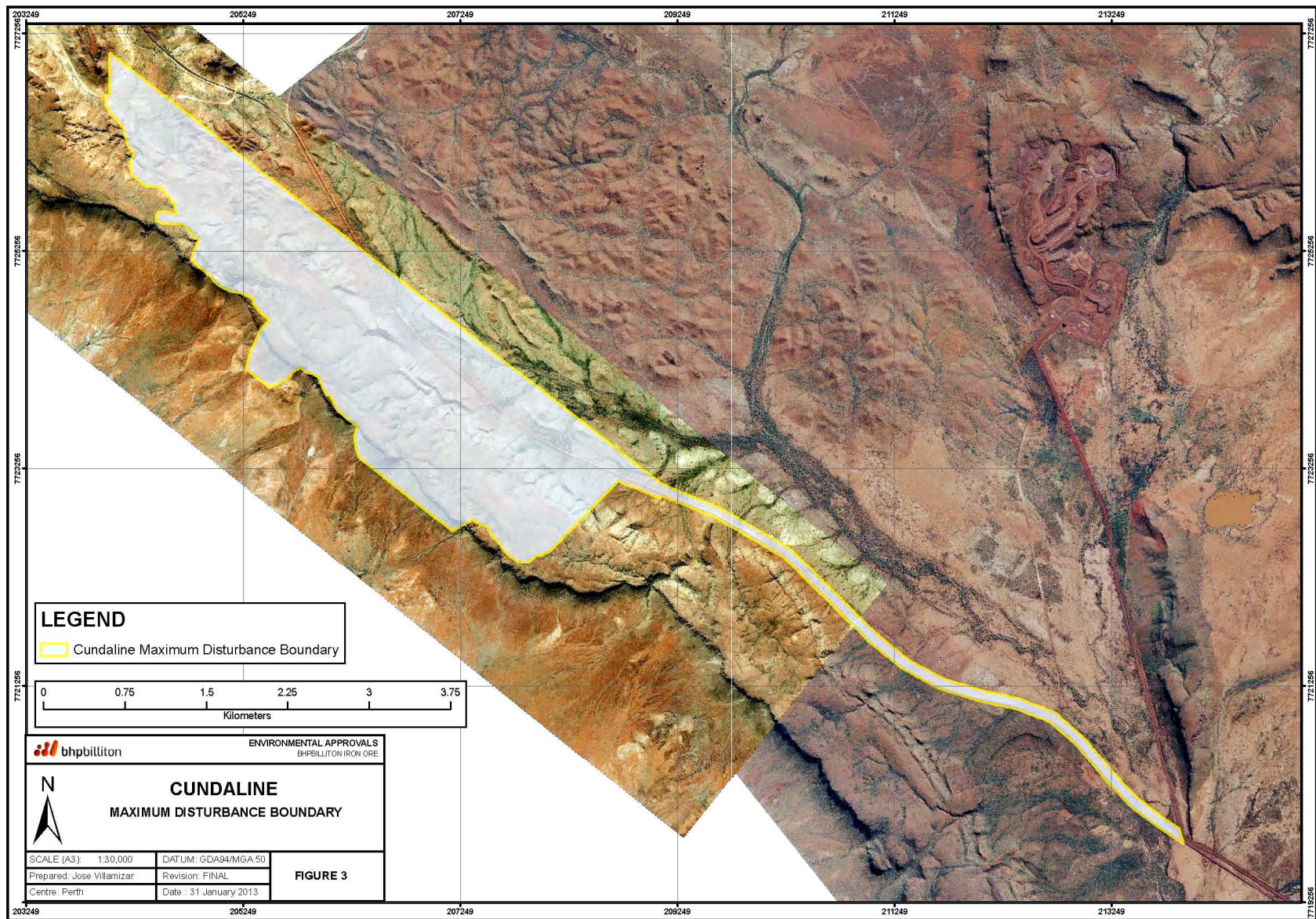


Figure 3: Approved maximum disturbance boundary