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Published on: 2 December 2013

Statement No: 953

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

Dongara Titanium Minerals Project, Shire of Irwin

Proposal: The proposal is to develop and operate a mineral sands mine approximately 25 kilometres (km) south-east of the township of Dongara in the Midwest Region of Western Australia.

Proponent: Tronox Management Pty Ltd
ABN 59 009 343 364

Proponent Address: Tronox Management Pty Ltd
1 Brodie Hall Drive
BENTLEY WA 6102

Assessment Number: 1698

Report of the Environmental Protection Authority Number: 1478

This Statement authorises the implementation of the proposal described and documented in Columns 1 and 2 of Table 2 of Schedule 1. The implementation of the proposal is subject to the following implementation conditions and procedures and Schedule 2 details definitions of terms and phrases used in the implementation conditions and procedures.

1 Proposal Implementation

1-1 When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Column 3 of Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal has been approved under the EP Act.

2 Contact Details

- 2-1 The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within 28 days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

3 Time Limit for Proposal Implementation

- 3-1 The proponent shall not commence implementation of the proposal after the expiration of 5 years from the date of this Statement, and any commencement, within this 5 year period, must be substantial.
- 3-2 Any commencement of implementation of the proposal, within 5 years from the date of this Statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of 5 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.
- 4-2 The proponent shall submit to the CEO the compliance assessment plan required by condition 4-1 at least six months prior to the first compliance assessment report required by condition 4-6, or prior to implementation, whichever is sooner.

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) the method of reporting of potential non-compliances and corrective actions taken;
 - (5) the table of contents of compliance assessment reports; and
 - (6) public availability of compliance assessment 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.
- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first compliance assessment report 15 months from the date of issue of this Statement, or as agreed by the CEO, addressing the 12 month period from the date of issue of this Statement and then annually from the date of submission of the first compliance assessment report.

The compliance assessment report shall:

- (1) be endorsed by the proponent's General Manager or a person delegated to sign on the General Manager'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 Public Availability of Data

5-1 Subject to condition 5-2, within a reasonable time period approved by the CEO of the issue of this Statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps)) relevant to the assessment of this proposal and implementation of this Statement.

5-2 If any data referred to in condition 5-1 contains particulars of:

- (1) a secret formula or process; or
- (2) confidential commercially sensitive information;

the proponent may submit a request for approval from the CEO to not make this data publically available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publically available.

6 Vegetation

6-1 The proponent shall ensure that groundwater dewatering and abstraction does not cause any loss of groundwater dependent vegetation beyond the boundary of Zone 1 as shown in Figure 2 and delineated by the coordinates specified in Schedule 2, and impact to groundwater dependent vegetation inside Zone 1 is limited to that specified in Schedule 1, Table 2.

6-2 To verify that condition 6-1 is being met, the proponent shall develop a Groundwater Dependent Vegetation Monitoring and Management Plan to the satisfaction of the CEO.

The Groundwater Dependent Vegetation Monitoring and Management Plan shall include:

- (1) identification of potential impact monitoring and control sites;
- (2) the design of a survey to acquire baseline data from the boundary of Zone 1 and control sites, and include health and abundance parameters;
- (3) definition of health and abundance parameters;

- (4) definition of environmental parameters to be monitored, including groundwater drawdown;
 - (5) definition of monitoring frequency and timing;
 - (6) identification of criteria to measure decline in health; and
 - (7) details of management actions and strategies to be implemented should the criteria defined pursuant to condition 6-2 (6) indicate a decline in health of the groundwater dependent ecosystem outside the boundary of Zone 1, or beyond the limit specified in Table 2, referred to in condition 6-1.
- 6-3 The proponent shall implement the approved Groundwater Dependent Vegetation Monitoring and Management Plan required by condition 6-2 prior to the start of dewatering until advised otherwise by the CEO.
- 6-4 Prior to the commencement of dewatering, the proponent shall implement the baseline monitoring survey required by condition 6-2 (2) for all sites identified in condition 6-2 (1) and submit the results to the CEO within 1 month of completion.
- 6-5 In the event that monitoring required by condition 6-3 indicates a decline in health compared with the control sites identified in condition 6-2, the proponent shall provide a report to the CEO within 21 days of the decline being identified which:
- (1) describes the decline or change;
 - (2) provides information which allows determination of the likely root cause of the decline or change; and
 - (3) if considered likely to be the result of activities undertaken in implementing the proposal, proposes the actions and associated timelines to remediate the decline or change.
- 6-6 The proponent shall implement the actions identified in condition 6-5 (3) until the CEO determines that the remedial actions may cease.

7 Residual Impacts and Risk Management Measures

- 7-1 To offset the significant residual impact to *Calyptorhynchus latirostris* (Carnaby's Cockatoo) habitat and wetlands, the proponent shall undertake an offset program consisting of not less than 2,000 hectares of land acquisition of suitable habitat for Carnaby's Cockatoo and/or wetlands, and not less than 600 hectares of habitat improvement.
- 7-2. Prior to the commencement of ground disturbing activities, the proponent shall develop and submit a land purchase offset strategy to ensure the long-term protection of Carnaby's Cockatoo habitat and/or wetlands to the CEO for approval, on advice of the Department of Parks and Wildlife.
- 7-3. The strategy identified in condition 7-2 will comprise a land acquisition component of not less than 2,000 hectares and a contribution of funding to the management of the land acquired.

- 7-4. Once the strategy identified in condition 7-2 is approved, the proponent shall implement the strategy.
- 7-5. Within twelve months of the first property being acquired to satisfy condition 7-2, the proponent shall prepare and submit a Habitat Improvement Plan for the approval of the CEO.
- 7-6. The Habitat Improvement Plan identified in condition 7-5 shall identify:
- a. the properties where activities will be undertaken;
 - b. the conservation activities that will be undertaken, with associated completion criteria;
 - c. funding arrangements and timing of funding;
 - d. timing arrangements including an agreed end point;
 - e. monitoring requirements; and
 - f. the role of the Department of Parks and Wildlife, Tronox and any third parties.
- 7-7. Once approved, the Habitat Improvement Plan identified in condition 7-5 must be implemented.
- 7-8. Should the proponent be required to provide an offset under condition of the approval of the Australian Government under the *Environment Protection and Biodiversity Conservation Act 1999*, the proponent may write to the CEO seeking a reduction in any duplication of offset required under conditions 7-1 to 7-7.

[Signed 28 November 2013]

Albert Jacob MLA
MINISTER FOR ENVIRONMENT; HERITAGE

Table 1: Summary of the Proposal

Proposal Title	Dongara Titanium Minerals Project
Short Description	<p>The proposal is to mine and concentrate titanium bearing (and other valuable) mineral sands.</p> <p>The mine is to be located approximately 25 km south-east of the township of Dongara in the Midwest Region of Western Australia, on mining leases M70/1195, M70/1196, M70/1197, M70/1198, M70/1199 and M70/1200.</p> <p>Key components of the mine include:</p> <ul style="list-style-type: none"> • access roads • power station • solar drying dams • pipeline corridors • stockpiles and dumps • mine pits • ore processing plant • construction and operations support infrastructure • water bores

Table 2: Location and authorised extent of physical and operational elements

Column 1	Column 2	Column 3
Element	Location	Authorised Extent
Project development envelope	Figure 1	Up to 1420 ha within a 5304 ha development envelope
Vegetation clearing area	Figure 1	Clearing of up to 1315 ha being: <ul style="list-style-type: none"> • 1200 ha of native vegetation; and • 115 ha of pasture
Groundwater drawdown impact area (Zone 1)	Figure 2	Up to 105 ha within a 180 ha dewatering impact area, outside of clearing area within Zone 1

Figures (attached)

Figure 1: Project disturbance footprint and disturbance boundary

Figure 2: Groundwater drawdown maximum impact area

Table 3: Abbreviations

Abbreviation	Term or Phrase
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or delegate.
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
ha	hectare
km	kilometre

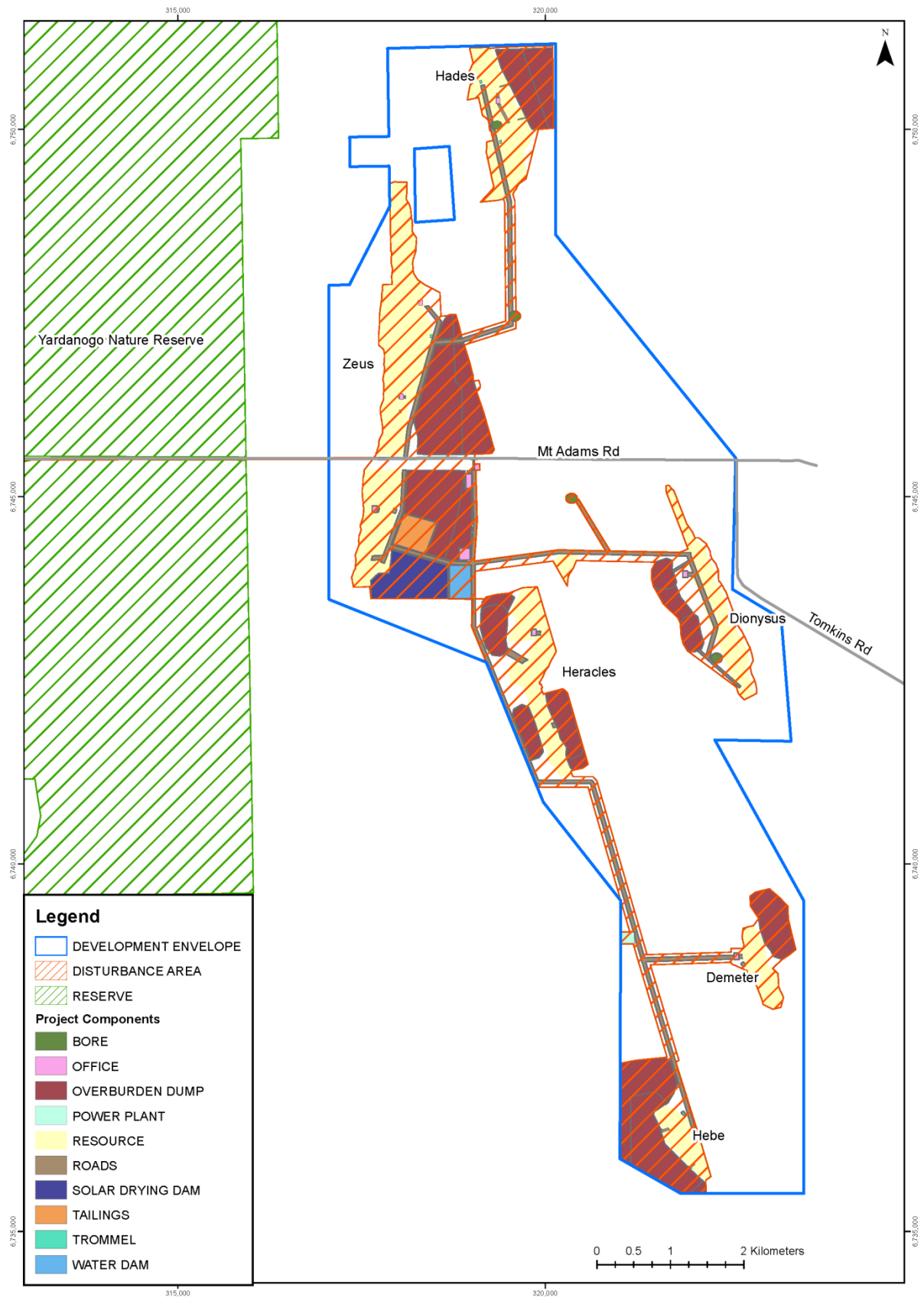


Figure 1: Project disturbance footprint and disturbance boundary

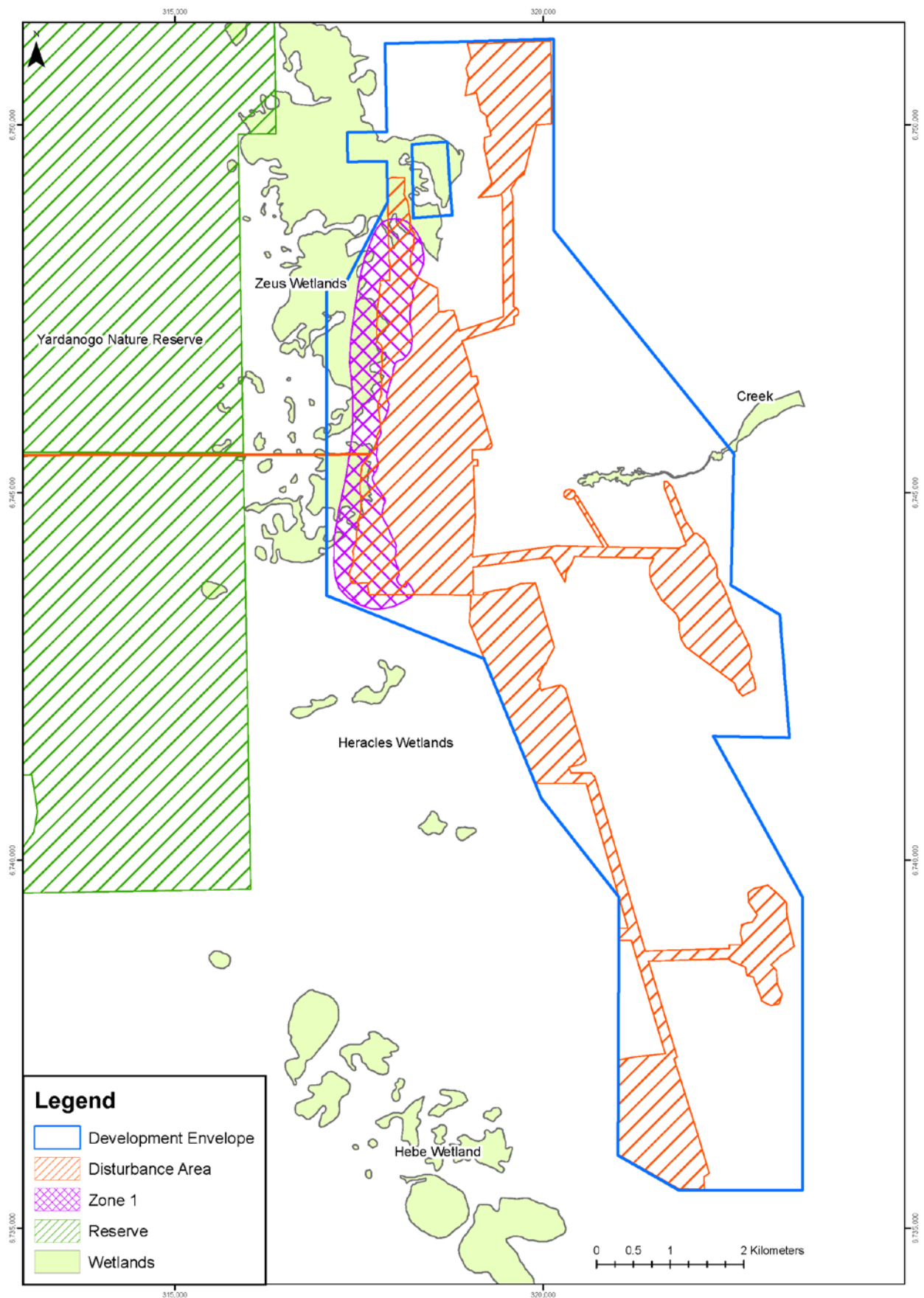


Figure 2: Groundwater drawdown maximum impact area

DONGARA TITANIUM MINERALS PROJECT, SHIRE OF IRWIN

Coordinates for Development Envelope and Zone 1

Co-ordinates defining the Development Envelope and Zone 1 are held by the Office of the EPA.

Notes

The following notes are provided for information and do not form a part of the implementation conditions of the Statement:

- The proponent for the time being nominated by the Minister for Environment under section 38(6) of the EP Act is responsible for the implementation of the proposal unless and until that nomination has been revoked and another person is nominated.
- If the person nominated by the Minister, ceases to have responsibility for the proposal, that person is required to provide written notice to the Environmental Protection Authority of its intention to relinquish responsibility for the proposal and the name of the person to whom responsibility for the proposal will pass or has passed. The Minister for Environment may revoke a nomination made under section 38(6) of the EP Act and nominate another person.
- To initiate a change of proponent, the nominated proponent and proposed proponent are required to complete and submit *Post Assessment Form 1 – Application to Change Nominated Proponent*.
- The General Manager of the Office of the Environmental Protection Authority was the Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the EP Act at the time the Statement was signed by the Minister for Environment.