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Published on: 22 January 2021

Statement No. 1158

STATEMENT THAT A REVISED PROPOSAL MAY BE IMPLEMENTED
(*Environmental Protection Act 1986*)

COOLJARLOO AND COOLJARLOO WEST MINERAL SANDS PROJECT

Proposal: Proposal to amend Cooljarloo Mineral Sands Project, the subject of Statement No. 037 dated 3 October 1988

Proponent: Tronox Management Pty Ltd
Australian Company Number 009 343 364

Proponent Address: 1 Brodie Hall Drive, BENTLEY WA 6152

Assessment Number: 2024

Report of the Environmental Protection Authority: 1692

Previous Assessment Number: 033, 1272, 1749, 1999

Previous Report of the Environmental Protection Authority: 330, 990, 1299, 1512

Previous Statement Numbers: 037, 557, 790, 977

Pursuant to section 45, read with section 45B of the *Environmental Protection Act 1986*, it has been agreed that:

1. the Proposal described and documented in Table 1 of Schedule 1 may be implemented;
2. Environmental Management Plans required by Ministerial Statements 037, 557, 790 and 977 will remain in place until updated plans required by this Statement have been approved;
3. this Statement supersedes Statement Nos. 037, 557, 790 and 977, and from the date of this Statement each of the implementation conditions in Statement Nos. 037, 557, 790 and 977 no longer apply in relation to the revised proposal; and

4. the implementation of the revised proposal, being the Cooljarloo Mineral Sands Project as amended by this proposal, is subject to the following revised implementation conditions:

1 Proposal Implementation

- 1-1 When implementing the revised proposal, the proponent shall not exceed the authorised extent of the revised proposal as defined in Table 2 of Schedule 1, unless amendments to the revised proposal and the authorised extent of the Revised Proposal have been approved under the *Environmental Protection Act 1986*.

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 twenty-eight (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 Compliance Reporting

- 3-1 The proponent shall prepare and maintain a Compliance Assessment Plan which is submitted to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 3-6.
- 3-2 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.
- 3-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 3-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 3-1.
- 3-4 The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 3-1 and shall make those reports available when requested by the CEO.

- 3-5 The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.
- 3-6 The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (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, or as otherwise agreed in writing by the CEO.

The Compliance Assessment Report shall:

- (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer'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 3-1.

4 Public Availability of Data

4-1 Subject to condition 4-2, 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)), management plans and reports relevant to the assessment of this proposal and implementation of this Statement.

4-2 If any data referred to in condition 4-1 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 these data publicly available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publicly available.

5 Flora and Vegetation Management Plan

5-1 The proponent shall implement the proposal to meet the following environmental objectives:

- (1) avoid where possible, otherwise minimise direct and indirect impacts to significant flora and vegetation communities within the revised proposal development envelope delineated in Figure 2 of Schedule 1 during ground disturbing activities and during all phases of mining activities;
- (2) ensure there are no proposal-related direct or adverse indirect impacts to flora within the avoidance areas as shown on Figure 3 and delineated by coordinates in Schedule 2; and
- (3) ensure there are no proposal-related direct or adverse indirect impacts to flora and vegetation within the un-named Nature Reserve (No. R 40916).

5-2 In order to meet the requirements of condition 5-1, prior to ground disturbing activities within the Cooljarloo West proposal development envelope delineated in Figure 3 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall prepare and have approved by the CEO, a Flora and Vegetation Management Plan for the revised proposal to the requirements of the CEO on advice of the Department of Biodiversity, Conservation and Attractions. The Flora and Vegetation Management Plan shall:

- (1) when implemented, substantiate and ensure that condition 5-1 is being met;
- (2) include details of the timing and methods of preclearance surveys if the ground disturbing activities within the Cooljarloo West proposal development envelope have not substantially commenced within five (5) years from the date of this Statement and demonstrate how the findings of the survey(s) would be considered, including provision of mitigation measures;
- (3) present objectives for priority flora and vegetation communities to minimise direct or indirect impacts;
- (4) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent further direct or indirect impacts to significant flora and vegetation communities;
- (5) specify threshold criteria to demonstrate compliance with condition 5-1;
- (6) specify monitoring to determine if trigger criteria and threshold criteria have been met;
- (7) specify management and/or contingency actions to be implemented if trigger criteria required by condition 5-2(4) have not been met; and

- (8) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 5-1 has been met over the reporting period in the Compliance Assessment Report required by condition 3-6.
- 5-3 The proponent shall implement the most recent version of the Flora and Vegetation Management Plan which the CEO has confirmed by notice in writing, addresses the requirements of condition 5-2.
- 5-4 In the event that monitoring, or investigations indicates exceedance of threshold criteria specified in the Flora and Vegetation Management Plan, the proponent shall:
 - (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified;
 - (2) implement the threshold contingency actions specified in the Flora and Vegetation Management Plan within twenty-four (24) hours of the exceedance being reported as required by condition 5-4(1) and continue implementation of those actions until the CEO has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being met and the implementation of the threshold contingency actions is no longer required;
 - (3) investigate to determine the cause of the threshold criteria being exceeded;
 - (4) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded;
 - (5) provide a report to the CEO within twenty-one (21) days of the exceedance being reported as required by condition 5-4(1). The report shall include:
 - (a) details of threshold contingency actions implemented;
 - (b) the effectiveness of the threshold contingency actions implemented against the threshold criteria;
 - (c) the findings of the investigations required by conditions 5-4(3) and 5-4(4);
 - (d) measures to prevent the threshold criteria being exceeded in the future;
 - (e) measures to prevent, control or abate the environmental harm which may have occurred; and

- (f) justification of the threshold remaining, or being adjusted based on better understanding, demonstrating that objectives will continue to be met.

5-5 The proponent:

- (1) may review and revise the Flora and Vegetation Management Plan, or
- (2) shall review and revise the Flora and Vegetation Management Plan as and when directed by the CEO.

5-6 The proponent shall continue to implement the Flora and Vegetation Management Plan, or any subsequent revisions as approved by the CEO in condition 5-3, until the CEO has confirmed by notice in writing that the plan meets the objective specified in condition 5-1.

6 Surface Water and Groundwater Management Plan

6-1 The proponent shall implement the proposal to meet the following environmental objectives:

- (1) avoid where possible, otherwise minimise direct and indirect impacts to surface and groundwater quality and quantity within the revised proposal development envelope delineated in Figure 2 of Schedule 1 during ground disturbing activities and during all phases of mining activities, as far as practicable; and
- (2) ensure there are no proposal-related groundwater drawdown or proposal-related direct or adverse indirect impacts to the un-named Nature Reserve (No. R 40916).

6-2 In order to meet the requirements of condition 6-1, prior to ground disturbing activities within the Cooljarloo West proposal development envelope delineated in Figure 3 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall prepare and have approved by the CEO, a Surface Water and Groundwater Management Plan for the revised proposal to the requirements of the CEO. The Surface Water and Groundwater Management Plan shall:

- (1) outline how monitoring of groundwater and surface water will be undertaken;
- (2) specify trigger criteria that must provide an early warning that the environmental objectives identified in condition 6-1 may not be met;
- (3) specify threshold criteria to demonstrate compliance with the environmental objectives specified in condition 6-1;
- (4) specify monitoring to determine if trigger criteria and threshold criteria are exceeded;

- (5) specify trigger level actions to be implemented in the event that trigger criteria have been exceeded;
 - (6) specify threshold contingency actions to be implemented in the event that threshold criteria are exceeded; and
 - (7) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 6-1 has been met over the reporting period in the Compliance Assessment Report required by condition 3-6.
- 6-3 After receiving notice in writing from the CEO that the Surface Water and Groundwater Management Plan satisfies the requirements of condition 6-2, the proponent shall:
- (1) implement the provisions of the Surface Water and Groundwater Management Plan; and
 - (2) continue to implement the Surface Water and Groundwater Management Plan until the CEO has confirmed by notice in writing that the proponent has demonstrated the objectives specified in condition 6-1 have been met.
- 6-4 In the event that monitoring, tests, surveys or investigations indicates exceedance of threshold criteria specified in the Surface Water and Groundwater Management Plan, the proponent shall:
- (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified;
 - (2) implement the threshold contingency actions specified in the Surface Water and Groundwater Management Plan within twenty-four (24) hours of the exceedance being reported as required by condition 6-4(1) and continue implementation of those actions until the CEO has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being met and the implementation of the threshold contingency actions is no longer required;
 - (3) investigate to determine the cause of the threshold criteria being exceeded;
 - (4) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded; and
 - (5) provide a report to the CEO within twenty-one (21) days of the exceedance being reported as required by condition 6-4(1). The report shall include:
 - (a) details of threshold contingency actions implemented;

- (b) the effectiveness of the threshold contingency actions implemented against the threshold criteria;
- (c) the findings of the investigations required by conditions 6-4(3) and 6-4(4);
- (d) measures to prevent the threshold criteria being exceeded in the future;
- (e) measures to prevent, control or abate the environmental harm which may have occurred; and
- (f) justification of the threshold remaining, or being adjusted based on better understanding, demonstrating that objectives will continue to be met.

6-5 The proponent:

- (1) may review and revise the Surface Water and Groundwater Management Plan; or
- (2) shall review and revise the Surface Water and Groundwater Management Plan as and when directed by the CEO.

6-6 The proponent shall implement the latest revision of the Surface Water and Groundwater Management Plan, which the CEO has confirmed by notice in writing meets the objectives specified in condition 6-1.

7 Acid Sulfate Soils Management Plan

7-1 The proponent shall implement the proposal to meet the following environmental objectives:

- (1) avoid where possible, otherwise minimise direct and indirect impacts of acid sulfate soils within and adjacent to the revised proposal development envelope delineated in Figure 2 of Schedule 1 during ground disturbing activities and during all phases of mining activities, as far as practicable;
- (2) at all times, the proponent shall ensure that the limit of groundwater drawdown in the proposal area and in the vicinity of the proposal area avoids where possible the potentially acid-forming substrate to the extent that acidic waters are generated and/or released; and
- (3) ensure there are no proposal-related direct or adverse indirect impacts to the un-named Nature Reserve (No. R 40916).

7-2 In order to meet the requirements of condition 7-1, prior to ground disturbing activities within the Cooljarloo West proposal development envelope delineated in Figure 3 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall prepare and have approved by the CEO, an Acid Sulfate Soils Management Plan

for the Revised Proposal to the requirements of the CEO. The Acid Sulfate Soils Management Plan shall:

- (1) when implemented, substantiate and ensure that the objectives in condition 7-1 are being met;
- (2) present objectives and monitoring protocols to ensure impacts from acid sulfate soils are minimised;
- (3) outline how monitoring of acid sulfate soils will be undertaken;
- (4) specify trigger criteria that must provide an early warning that the environmental objectives identified in condition 7-1 may not be met;
- (5) specify threshold criteria to demonstrate compliance with the environmental objectives specified in condition 7-1;
- (6) specify monitoring to determine if trigger criteria and threshold criteria are exceeded;
- (7) specify trigger level actions to be implemented in the event that trigger criteria have been exceeded;
- (8) specify threshold contingency actions to be implemented in the event that threshold criteria are exceeded; and
- (9) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 7-1 has been met over the reporting period in the Compliance Assessment Report required by condition 3-6.

7-3 After receiving notice in writing from the CEO that the Acid Sulfate Soils Management Plan satisfies the requirements of condition 7-2, the proponent shall:

- (1) implement the provisions of the Acid Sulfate Soils Management Plan; and
- (2) continue to implement the Acid Sulfate Soils Management Plan until the CEO has confirmed by notice in writing that the proponent has demonstrated the objectives specified in condition 7-1 have been met.

7-4 In the event that monitoring, tests, surveys or investigations indicates exceedance of threshold criteria specified in the Acid Sulfate Soils Management Plan, the proponent shall:

- (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified;
- (2) implement the threshold contingency actions specified in the Acid Sulfate Soils Management Plan within twenty-four (24) hours of the exceedance being reported as required by condition 7-4(1) and continue implementation

of those actions until the CEO has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being met and the implementation of the threshold contingency actions is no longer required;

- (3) investigate to determine the cause of the threshold criteria being exceeded;
- (4) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded; and
- (5) provide a report to the CEO within twenty-one (21) days of the exceedance being reported as required by condition 7-4(1). The report shall include:
 - (a) details of threshold contingency actions implemented;
 - (b) the effectiveness of the threshold contingency actions implemented against the threshold criteria;
 - (c) the findings of the investigations required by conditions 7-4(3) and 7-4(4);
 - (d) measures to prevent the threshold criteria being exceeded in the future;
 - (e) measures to prevent, control or abate the environmental harm which may have occurred; and
 - (f) justification of the threshold remaining, or being adjusted based on better understanding, demonstrating that objectives will continue to be met.

7-5 The proponent:

- (1) may review and revise the Acid Sulfate Soils Management Plan; or
- (2) shall review and revise the Acid Sulfate Soils Management Plan as and when directed by the CEO.

7-6 The proponent shall implement the latest revision of the Acid Sulfate Soils Management Plan, which the CEO has confirmed by notice in writing that the plan meets the objectives specified in condition 7-1.

8 Disease Hygiene Management Plan

8-1 The proponent shall implement the proposal to meet the following environmental objectives:

- (1) minimise impacts from the implementation of the proposal to flora and vegetation from Dieback (*Phytophthora spp*); and

- (2) ensure there is no proposal-related direct or adverse indirect impacts to the un-named Nature Reserve (No. R 40916).

8-2 In order to meet the requirements of condition 8-1, prior to ground disturbing activities within the Cooljarloo West proposal development envelope delineated in Figure 3 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall update and have approved by the CEO, the Disease Hygiene Management Plan for the revised proposal to the requirements of the CEO on advice of the Department of Biodiversity, Conservation and Attractions. The Disease Hygiene Management Plan shall:

- (1) when implemented, substantiate and ensure that the objectives in condition 8-1 are being met;
- (2) present objectives and monitoring protocols to ensure impacts from *Phytophthora spp* are minimised;
- (3) specify trigger criteria that must provide an early warning that the environmental objectives identified in condition 8-1 may not be met;
- (4) specify threshold criteria to demonstrate compliance with the environmental objectives specified in condition 8-1;
- (5) specify monitoring to determine if trigger criteria and threshold criteria are exceeded;
- (6) specify trigger level actions to be implemented in the event that trigger criteria have been exceeded;
- (7) specify threshold contingency actions to be implemented in the event that threshold criteria are exceeded; and
- (8) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 8-1 has been met over the reporting period in the Compliance Assessment Report required by condition 3-6.

8-3 In the event that monitoring, tests, surveys or investigations indicates exceedance of threshold criteria specified in the Disease Hygiene Management Plan, the proponent shall:

- (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified;
- (2) implement the threshold contingency actions specified in the Disease Hygiene Management Plan within twenty-four (24) hours of the exceedance being reported as required by condition 8-3(1) and continue implementation of those actions until the CEO has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being

met and the implementation of the threshold contingency actions is no longer required;

- (3) investigate to determine the cause of the threshold criteria being exceeded;
- (4) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded; and
- (5) provide a report to the CEO within twenty-one (21) days of the exceedance being reported as required by condition 8-3(1). The report shall include:
 - (a) details of threshold contingency actions implemented;
 - (b) the effectiveness of the threshold contingency actions implemented against the threshold criteria;
 - (c) the findings of the investigations required by conditions 8-3(3) and 8-3(4);
 - (d) measures to prevent the threshold criteria being exceeded in the future;
 - (e) measures to prevent, control or abate the environmental harm which may have occurred; and
 - (f) justification of the threshold remaining, or being adjusted based on better understanding, demonstrating that objectives will continue to be met.

8-4 The proponent:

- (1) may review and revise the Disease Hygiene Management Plan; or
- (2) shall review and revise the Disease Hygiene Management Plan as and when directed by the CEO.

8-5 The proponent shall implement the most recent version of the Disease Hygiene Management Plan which the CEO has confirmed by notice in writing, addresses the requirements of condition 8-1.

8-6 The proponent shall continue to implement the Disease Hygiene Management Plan, or any subsequent revisions as approved by the CEO in condition 8-5, until the CEO has confirmed by notice in writing that the plan meets the objective specified in condition 8-1.

9 Research and Restoration Plan

9-1 The proponent shall ensure that the proposal is implemented to meet the following environmental objective:

- (1) restoration of native vegetation communities that adequately represent the vegetation types that have been cleared.
- 9-2 To verify that the objective of condition 9-1(1) will be met, prior to ground disturbing activities within the Cooljarloo West proposal development envelope delineated in Figure 3 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall prepare and have approved by the CEO, a Research and Restoration Plan for the revised proposal to the requirements of the CEO. The Research and Restoration Plan shall include the following requirements as a minimum:
- (1) a programme of regional surveys to be completed by the proponent to improve the knowledge of regional distribution and abundance of conservation significant flora taxa;
 - (2) definition of the restoration target by referring to historic data;
 - (3) identification of restoration trials to be conducted to improve understanding and performance of restoration requirements;
 - (4) a programme for tracking restoration performance and provide feedback into future research; and
 - (5) a research programme to improve restoration of perched aquifer wetlands.
- 9-3 In order to meet the requirements of condition 9-1, the proponent shall:
- (1) specify trigger criteria that must provide an early warning that the requirements identified in condition 9-2(4) may not be met;
 - (2) specify threshold criteria to demonstrate compliance with the requirements specified in condition 9-2;
 - (3) specify monitoring to determine if the trigger criteria required by condition 9-3(1) and the threshold criteria required by condition 9-3(2) are exceeded;
 - (4) specify trigger level actions to be implemented in the event that trigger criteria required by condition 9-3(1) have been exceeded;
 - (5) specify threshold contingency actions to be implemented in the event that threshold criteria required by condition 9-3(2) are exceeded; and
 - (6) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 9-1 has been met over the reporting period in the Compliance Assessment Report required by condition 3-6.
- 9-4 In the event that monitoring, tests, surveys or investigations indicates exceedance of threshold criteria specified in the Research and Restoration Plan, the proponent shall:

- (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified;
- (2) implement the threshold contingency actions specified in the Research and Restoration Plan within twenty-four (24) hours of the exceedance being reported as required by condition 9-4(1) and continue implementation of those actions until the CEO has confirmed by notice in writing that it has been demonstrated that the threshold criteria are being met and the implementation of the threshold contingency actions is no longer required;
- (3) investigate to determine the cause of the threshold criteria being exceeded;
- (4) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded; and
- (5) provide a report to the CEO within twenty-one (21) days of the exceedance being reported as required by condition 9-4(1). The report shall include:
 - (a) details of threshold contingency actions implemented;
 - (b) the effectiveness of the threshold contingency actions implemented against the threshold criteria;
 - (c) the findings of the investigations required by conditions 9-4(3) and 9-4(4);
 - (d) measures to prevent the threshold criteria being exceeded in the future;
 - (e) measures to prevent, control or abate the environmental harm which may have occurred; and
 - (f) justification of the threshold remaining, or being adjusted based on better understanding, demonstrating that objectives will continue to be met.

9-5 The proponent:

- (1) may review and revise the Research and Restoration Plan; or
- (2) shall review and revise the Research and Restoration Plan as and when directed by the CEO.

9-6 The proponent shall implement the most recent version of the Research and Restoration Plan which the CEO has confirmed by notice in writing, addresses the requirements of condition 9-2.

9-7 The proponent shall continue to implement the Research and Restoration Plan, or any subsequent revisions as approved by the CEO in condition 9-6, until the

CEO has confirmed by notice in writing that the plan meets the objective specified in condition 9-1.

10 Offset Strategy

10-1 The proponent shall undertake offsets with the objective of counterbalancing the significant residual impact on the following environmental values:

- (1) 1,884 ha of conservation significant fauna, Carnaby's cockatoo (*Calyptorhynchus latirostris*), foraging habitat; and
- (2) direct impacts to conservation significant flora and vegetation including;
 - (a) 1,532 ha of Banksia woodlands of the Swan Coastal Plain of Western Australia;
 - (b) 167 individuals of the threatened flora species *Andersonia gracilis* or 296 ha of preferred habitat for the species;
 - (c) 165 individuals of the threatened flora species *Anigozanthos viridis* subsp. *terraspectans* or 201 ha of preferred habitat for the species; and
 - (d) 1,511 ha of habitat for the threatened flora species *Macarthuria keigheryi*,

as a result of the implementation of the proposal, as defined in Table 2 of Schedule 1 and delineated by coordinates in Schedule 2.

10-2 Within twelve (12) months of the publication of this Statement and prior to the commencement of ground disturbance activities in the Cooljarloo West proposal development envelope as delineated by Figure 3 of Schedule 1, the proponent shall prepare and submit an Offset Strategy to the requirements of the CEO.

10-3 The Offset Strategy, as required by condition 10-2, shall:

- (1) demonstrate that the objectives in condition 10-1 will be met;
- (2) be prepared on advice of Department of Biodiversity, Conservation and Attractions;
- (3) identify an area, or areas, to be acquired or restored (Offset Conservation Area) which contains the environmental values identified in conditions 10-1(1) and 10-1(2) or similar values of equivalent conservation significance as agreed by the CEO;
- (4) demonstrate how the environmental values within the Proposed Offset Conservation Area counterbalances the significant residual impact to the environmental values identified in conditions 10-1(1) and 10-1(2) through application of the principles of the *WA Environmental Offsets Policy* and

completion of the WA Offsets Template, as described in the *WA Environmental Offsets Guidelines*, and the *Environment Protection and Biodiversity Conservation Act 1999 Environmental Offsets Policy Assessment Guide*, or any subsequent revisions of these documents;

- (5) demonstrate that the proposed Offset Conservation Area contains at least 1,532 ha of Banksia woodlands of the Swan Coastal Plain of Western Australia;
- (6) demonstrate how the proposed Offset Conservation Area aligns with the National Recovery Plans for Carnaby's cockatoo (*Calyptorhynchus latirostris*), or any subsequent revisions of these plans;
- (7) demonstrate how the proposed Offset Conservation Area aligns with the National Recovery Plans for Slender Andersonia (*Andersonia gracilis*), or any subsequent revisions of these plans;
- (8) demonstrate how the proposed Offset Conservation Area aligns with the National Recovery Plans for Keighery's Macarthuria (*Macarthuria keigheryi*), or any subsequent revisions of these plans;
- (9) identify how the proposed Offset Conservation Area will be acquired and specify:
 - (a) a timeframe and quantum of works associated with establishing the proposed Offset Conservation Area prior to ground disturbing activities at Cooljarloo West, including a contribution for maintaining the offset for at least twenty (20) years after completion of purchase, and details pertaining to monitoring, evaluating and reporting;
 - (b) the mechanism for ensuring the proposed Conservation Offset Area is able to be afforded a higher level of protection; and
 - (c) the relevant management body for the ongoing management of the proposed Offset Conservation Area, including its role, and the role of the proponent, and confirmation in writing that the relevant management body accepts responsibility for its role; and
- (10) where an on-ground management or restoration is proposed:
 - (a) state the objective/s and target/s to be achieved, including completion criteria, which result in a tangible improvement to the environmental value/s being offset;
 - (b) the consistency of the objective/s and target/s with the objectives of any relevant guidance (e.g. Recovery Plans or Area Management Plans);

- (c) detail the on-ground management or restoration actions with associated timeframes for implementation, including contingency actions, to achieve the objective/s and target/s identified in condition 10-3(9)(a); and
- (d) detail the monitoring, reporting and evaluation mechanisms for the objective/s, target/s and actions identified under conditions 10-3(9)(a) and 10-3(9)(c).

10-4 The proponent:

- (1) may review and revise the Offset Strategy; or
- (2) shall review and revise the Offset Strategy as and when directed by the CEO.

10-5 The proponent shall implement the latest version of the Offset Strategy, which the CEO has confirmed by notice in writing meets the objectives specified in condition 10-1.

11 Aboriginal Heritage

11-1 Prior to the commencement of ground-disturbing activities, the proponent shall consult with the Yued People and ensure that it is aware of its obligations under the *Aboriginal Heritage Act 1972*.

[signed on 22 January 2021]

Hon Stephen Dawson MLC
MINISTER FOR ENVIRONMENT

Table 1: Summary of the proposal

Proposal title	Cooljarloo and Cooljarloo West Mineral Sands Project
Short description	<p>The revised proposal is to mine the orebodies within the revised proposal disturbance area shown in Figure 2.</p> <p>The revised proposal is to expand a mineral sands mine located 175 kilometres north of Perth and includes:</p> <ul style="list-style-type: none"> • construction of a transportation channel; • construction of topsoil and overburden stockpiles; • dredge mining of Kestral, Harrier, Woolka North and Woolka South orebodies; • construction of tailings storage facility; and • movement of the dredge and concentrator from Cooljarloo West back to the Cooljarloo Mine through the transportation channel.

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

Element	Location	Existing operations (Ministerial Statements)	Proposed change (Cooljarloo West proposal)	Proposed extent (revised proposal)
Disturbance	Figures 2 and 3	<p>Disturbance footprint up to 5,807 ha.</p> <p>The disturbance footprint includes:</p> <ul style="list-style-type: none"> • 5,012 ha of native vegetation • 795 ha of pasture. 	<p>Disturbance footprint up to 2,033 ha within a development envelope of 3,812 ha.</p> <p>The disturbance footprint includes:</p> <ul style="list-style-type: none"> • 1,884 ha of additional native vegetation • 53 ha of already cleared native vegetation (of which 43 ha is within the existing operations) 	<p>Disturbance footprint up to 7,700 ha within a development envelope of 12,375 ha.</p> <p>The disturbance footprint includes:</p> <ul style="list-style-type: none"> • 6,905 ha of native vegetation • 795 ha of pasture.

Element	Location	Existing operations (Ministerial Statements)	Proposed change (Cooljarloo West proposal)	Proposed extent (revised proposal)
			<ul style="list-style-type: none"> 96 ha of pasture within the existing operations. 	

Table 3: Abbreviations and Definitions

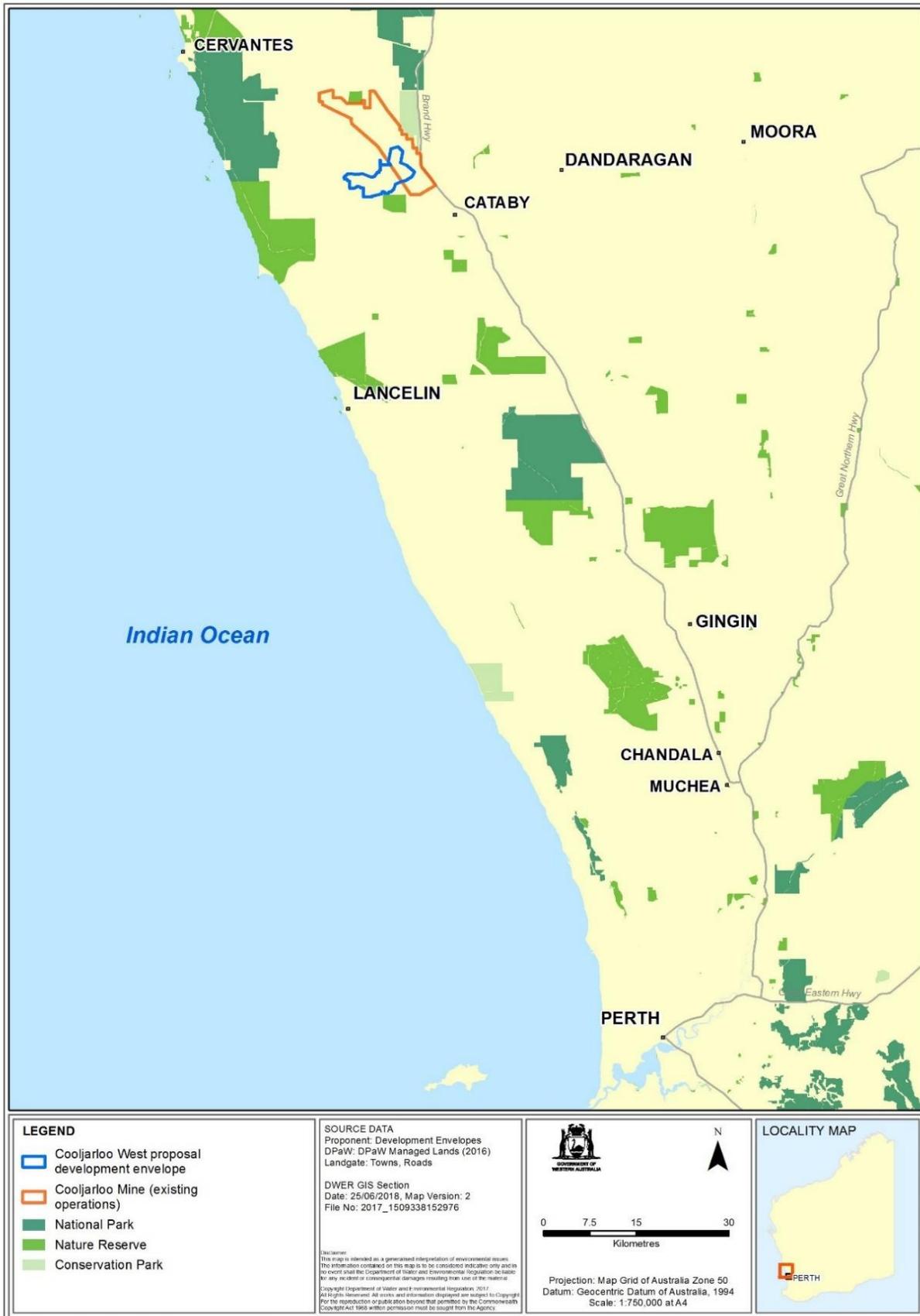
Acronym or Abbreviation	Definition or Term
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or his delegate.
ha	Hectare

Figures (attached)

Figure 1: Regional location

Figure 2: Revised proposal development envelope

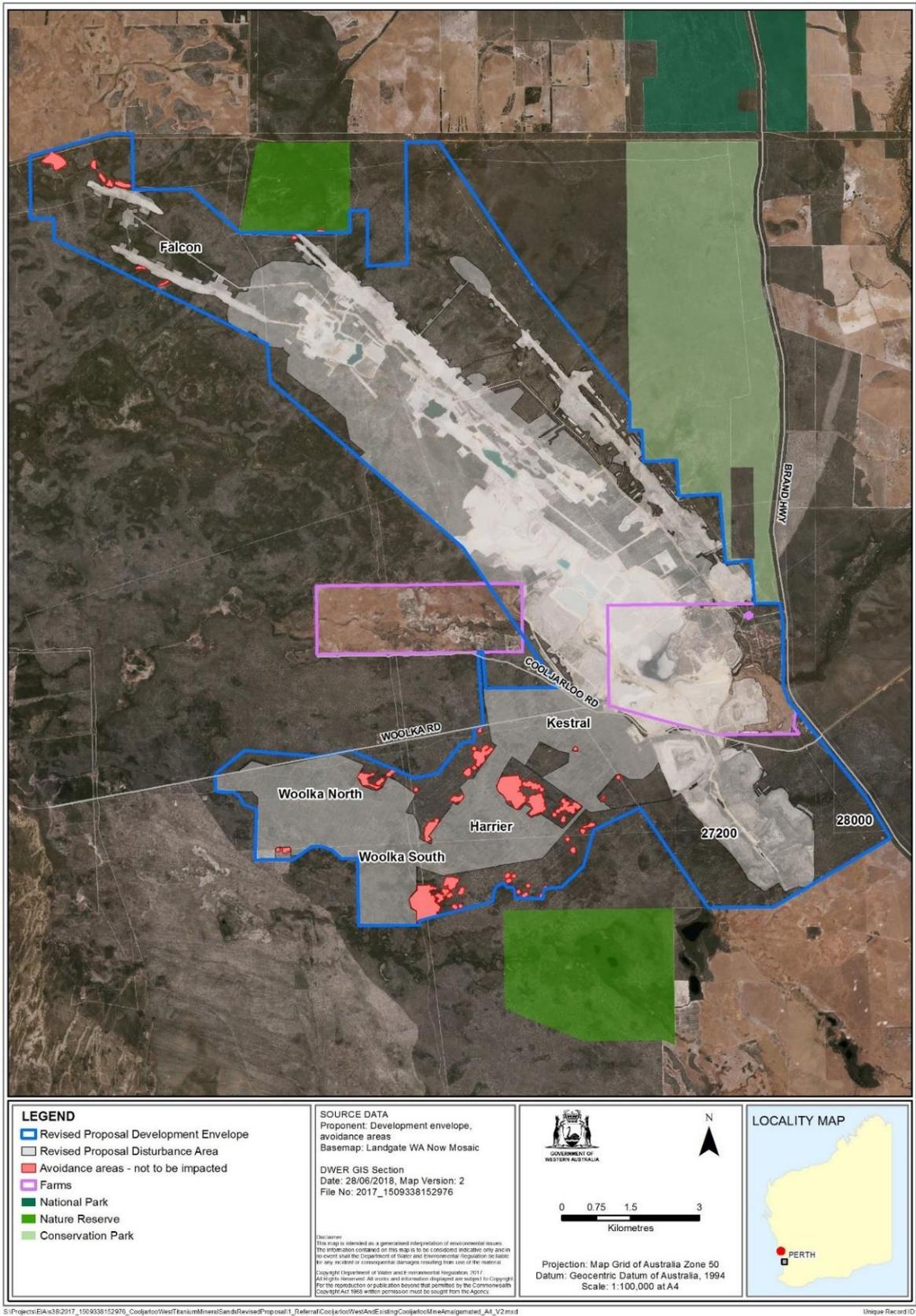
Figure 3: Cooljarloo and Cooljarloo West proposals



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Unique Record ID

Figure 1: Regional location



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Unique Record ID

Figure 2: Revised proposal development envelope

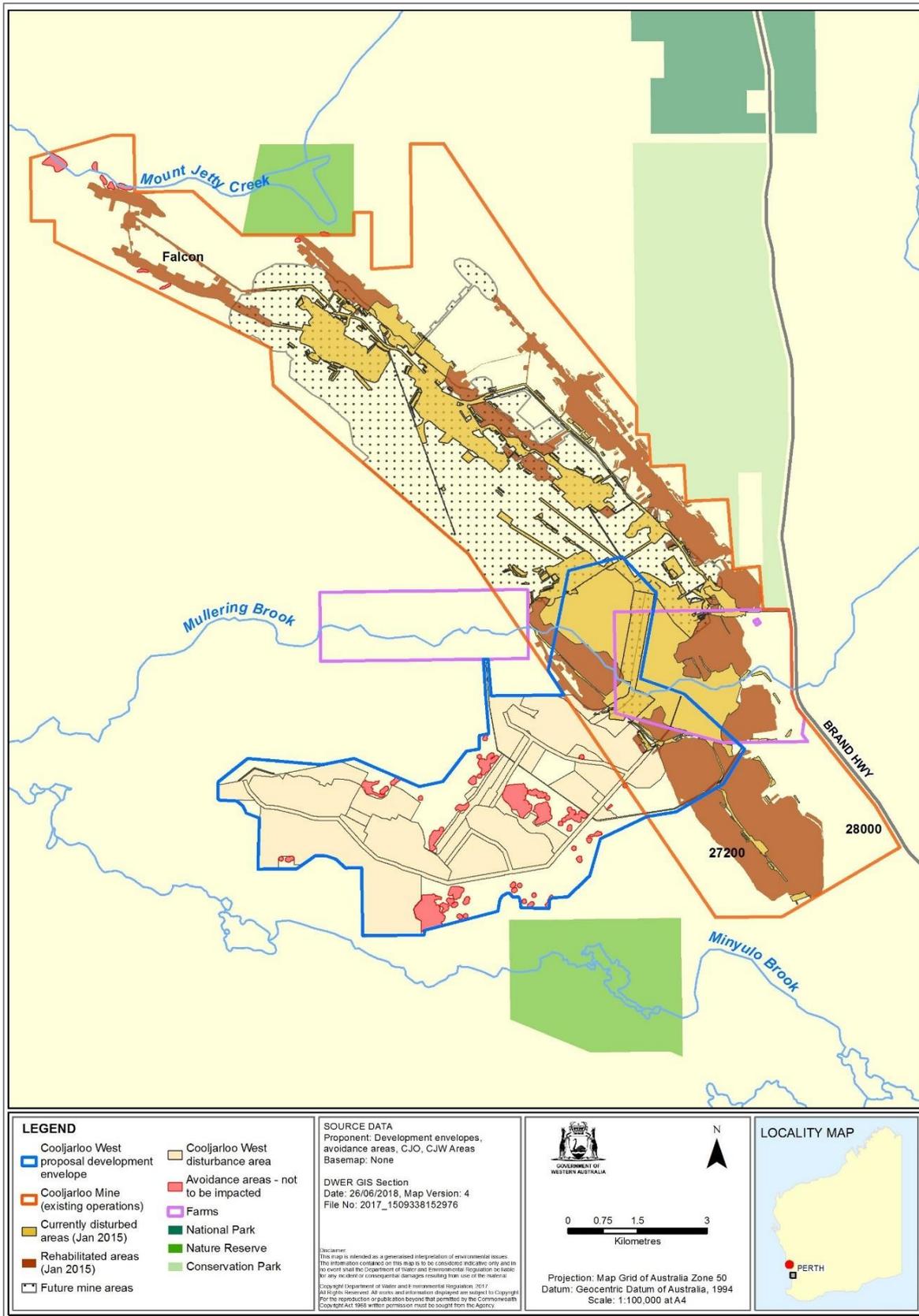


Figure 3: Cooljarloo and Cooljarloo West proposals

Schedule 2

All coordinates are in metres, listed in Map Grid of Australia Zone 51 (MGA Zone 51), datum of Geocentric Datum of Australia 1994 (GDA94).

Coordinates defining the development envelope are held by the Department of Water and Environmental Regulation, Document Reference Number 2020 – DWERDT34988.

Coordinates defining the flora avoidance areas are held by the Department of Water and Environmental Regulation, Document Reference Number 2020 – DWERDT349932.

Notes

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

- The EPA notes that many of the potential emissions and discharges associated with the proposal will be regulated under Part V of the *Environmental Protection Act 1986* via the implementation of a licence. The Department of Water and Environmental Regulation will assess the emissions and discharges in detail, and mitigation and monitoring conditions are expected to be applied to the proposal.
- No conditions have been included as part of the implementation conditions to manage impacts associated with mine closure and rehabilitation. The Department of Mines, Industry Regulation and Safety (DMIRS) is the key regulator and decision-making authority for mining projects under the *Mining Act 1978*. DMIRS has the role of regulating the industry to ensure that closure conditions applied and commitments made are implemented during the life of the mining project. The *Mining Act 1978* requires a Mine Closure Plan to be submitted to the DMIRS for assessment and approval as part of the Mining Proposal assessment and approval process.
- The EPA notes that the management of radiation associated with the mining of mineral sands will be subject to a Radiation Safety Management Plan required under the *Radiation Safety Act 1975* to be approved by the Radiological Council of Western Australia.