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Published on: 17 May 2021

Statement No. 1168

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

YALYALUP MINERAL SANDS PROJECT

Proposal: The proposal is to construct and operate the Yalyalup mineral sands mine located 11 kilometres southeast of Busselton. The proposal includes the development of mine pits and associated infrastructure, a wet concentration processing plant, solar evaporation ponds, groundwater abstraction and water management infrastructure and a process water dam. The life of mine is expected to be up to five years.

Proponent: Doral Mineral Sands Pty Ltd
Australian Company Number 096 342 451

Proponent Address: 25 Harris Rd, Picton WA 6229

Assessment Number: 2141

Report of the Environmental Protection Authority: 1695

Pursuant to section 45 of the *Environmental Protection Act 1986*, it has been agreed that the proposal described and documented in Table 2 of Schedule 1 may be implemented and that the implementation of the proposal is subject to the following 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 Table 2 of Schedule 1, unless amendments to the proposal and the authorised extent of the proposal have 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 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 Time Limit for Proposal Implementation

- 3-1 The proponent shall not commence implementation of the proposal after five (5) years from the date of this Statement, and any commencement, prior to this date, must be substantial.
- 3-2 Any commencement of implementation of the proposal, on or before five (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 five (5) years from the date of this Statement.

4 Compliance Reporting

- 4-1 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 4-6, or prior to implementation of the proposal, whichever is sooner.
- 4-2 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.
- 4-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 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 (7) days of that non-compliance being known.
- 4-6 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 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)), management plans and reports 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 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.

6 Flora and Vegetation (Outcome Based)

- 6-1 The proponent shall ensure there are no project attributable direct impacts to **Threatened Ecological Communities** within the development envelope delineated in Figure 2 of Schedule 1.
- 6-2 The proponent shall ensure that no more than 2.72 ha of native vegetation will be cleared within a 924.84 ha development envelope.

7 Flora and Vegetation (Management Based)

- 7-1 The proponent shall implement the proposal to meet the following environmental objective:
- (1) avoid where possible, otherwise minimise indirect impacts to conservation significant flora and **Threatened Ecological Communities** within the development envelope delineated in Figure 2 of Schedule 1.
- 7-2 In order to meet the requirements of condition 7-1, prior to **ground disturbing activities** within the development envelope delineated in Figure 2 of Schedule 1, unless otherwise agreed by the CEO, the proponent shall implement the *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)*. This plan shall:
- (1) when implemented, substantiate and ensure that condition 7-1 is being met;
 - (2) include details of the timing and methods of preclearance surveys and demonstrate how the findings of the survey(s) would be considered, including provision of mitigation measures;
 - (3) present objectives for conservation significant flora and **Threatened Ecological Communities** to minimise indirect impacts;
 - (4) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent further indirect impacts to flora and vegetation;
 - (5) specify threshold criteria to demonstrate compliance with condition 7-1;
 - (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 7-2(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 7-1 has been met over the reporting period in the Compliance Assessment Report required by condition 4-6.

- 7-3 The proponent shall implement the most recent version of the *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)* which the CEO has confirmed by notice in writing, addresses the requirements of condition 7-1.
- 7-4 In the event that monitoring, or investigations indicates exceedance of threshold criteria specified in the *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)*, 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 *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)* 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;
 - (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 of *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)* will continue to be met.

7-5 The proponent:

- (1) may review and revise the *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)*; or
- (2) shall review and revise the *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)* as and when directed by the CEO.

7-6 The proponent shall continue to implement the *Yalyalup Mineral Sands Project: Flora and Vegetation Environmental Management Plan (November 2020)*, or any subsequent revisions as approved by the CEO in condition 7-3, until the CEO has confirmed by notice in writing that the proponent has met the objective specified in condition 7-1.

8 Terrestrial Fauna

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

- (1) avoid where possible, otherwise minimise, direct and indirect impacts to conservation significant fauna and fauna habitat within the development envelope delineated in Figure 2 of Schedule 1.

8-2 To achieve the objective of condition 8-1, prior to **ground disturbing activities** within the development envelope delineated in Figure 2 of Schedule 1, unless otherwise agreed in writing by the CEO, the proponent shall implement the *Yalyalup Mineral Sands Project: Fauna Environmental Management Plan (November 2020)*. This plan shall:

- (1) outline how the pre-clearance surveys will be undertaken;
- (2) outline protocols for the relocation of threatened fauna prior to habitat clearing;
- (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 4-6.
- 8-3 The proponent shall implement the most recent version of the *Yalyalup Mineral Sands Project: Fauna Environmental Management Plan (November 2020)* which the CEO has confirmed by notice in writing addresses the requirements of conditions 8-1.
- 8-4 In the event that monitoring, or investigations indicate any exceedance of threshold criteria specified in the *Yalyalup Mineral Sands Project: Fauna Environmental Management Plan (November 2020)*, the proponent shall:
 - (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified; and
 - (2) implement the contingency actions required by condition 8-2(7) within seven (7) days of the exceedance being reported, as required by condition 8-4(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 implementation of threshold contingency actions are no longer required.
- 8-5 The proponent:
 - (1) may review and revise the *Yalyalup Mineral Sands Project: Fauna Environmental Management Plan (November 2020)*; or
 - (2) shall review and revise the *Yalyalup Mineral Sands Project: Fauna Environmental Management Plan (November 2020)* as and when directed by the CEO.
- 8-6 The proponent shall continue to implement the *Yalyalup Mineral Sands Project: Fauna Environmental Management Plan (November 2020)*, or any subsequent revisions as approved by the CEO in condition 8-3, until the CEO has confirmed by notice in writing that the proponent has demonstrated the environmental objective detailed in condition 8-1 has been met.

9 Acid Sulfate Soils

- 9-1 The proponent shall implement the proposal to achieve the following environmental objective:
 - (1) avoid where possible, otherwise minimise impacts associated with potential acid sulfate soils to conservation significant flora, fauna and inland waters within the development envelope delineated in Figure 2 of Schedule 1.

- 9-2 To achieve the objective of condition 9-1, prior to groundwater abstraction within the development envelope delineated in Figure 2 of Schedule 1, unless otherwise agreed in writing by the CEO, the proponent shall prepare and submit an Acid Sulfate Soils Management Plan. This plan shall:
- (1) when implemented, substantiate and ensure that condition 9-1 is being met;
 - (2) be prepared on the advice of the **Department**;
 - (3) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent further direct or indirect impacts as a result of potential acid sulfate soils;
 - (4) specify threshold criteria to demonstrate compliance with condition 9-1;
 - (5) specify monitoring methodology to determine if trigger criteria and threshold criteria have been met;
 - (6) specify management and/or contingency actions to be implemented if the trigger criteria required by condition 9-2(3) and/or the threshold criteria required by condition 9-2(4) have not been met; and
 - (7) provide a 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 4-6.
- 9-3 The proponent shall implement the most recent version of the Acid Sulfate Soils Management Plan which the CEO has confirmed by notice in writing addresses the requirements of conditions 9-1 and 9-2.
- 9-4 In the event that monitoring, or investigations indicate an 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; and
 - (2) implement the contingency actions required by condition 9-2(6) within seven (7) days 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 implementation of threshold contingency actions are no longer required.
- 9-5 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.
- 9-6 The proponent shall implement the Acid Sulfate Soils Management Plan, or any subsequent revisions as approved by the CEO in condition 9-3, until the CEO has confirmed by notice in writing that the proponent has demonstrated the environmental objective detailed in condition 9-1 has been met.

10 Groundwater Dependent Ecosystems

- 10-1 The proponent shall implement the proposal to achieve the following environmental objectives:
 - (1) avoid where possible, otherwise minimise, indirect impacts to groundwater dependent ecosystems within the development envelope delineated in Figure 2 of Schedule 1; and
 - (2) avoid causing deleterious changes to the health of western ringtail possum (*Pseudocheirus occidentalis*) habitat.
- 10-2 To achieve the objectives of condition 10-1, prior to groundwater abstraction within the development envelope delineated in Figure 2 of Schedule 1, unless otherwise agreed in writing by the CEO, the proponent shall implement the *Yalyalup Mineral Sands Project: DMS-YAL-EMP-2.4 GDE Management Plan (October 2020)*. This plan shall:
 - (1) when implemented, substantiate and ensure that condition 10-1 is being met;
 - (2) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent further direct or indirect impacts to groundwater dependent ecosystems;
 - (3) specify threshold criteria to demonstrate compliance with condition 10-1;
 - (4) specify monitoring methodology to determine if trigger criteria and threshold criteria have been met;
 - (5) specify management and/or contingency actions to be implemented if the trigger criteria required by condition 10-2(2) and/or the threshold criteria required by condition 10-2(3) have not been met; and
 - (6) provide a format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 10-1 has been met over the reporting period in the Compliance Assessment Report required by condition 4-6.
- 10-3 The proponent shall implement the most recent version of the *Yalyalup Mineral Sands Project: DMS-YAL-EMP-2.4 GDE Management Plan (October 2020)* which

the CEO has confirmed by notice in writing addresses the requirements of conditions 10-1 and 10-2.

10-4 From the commencement of groundwater abstraction, the proponent shall prepare and submit a Groundwater Dependent Ecosystems Performance Report to be provided with the Compliance Assessment Report required by condition 4-6. The Groundwater Dependent Ecosystems Performance Report shall include:

- (1) monitoring results against trigger criteria and threshold criteria to demonstrate that condition 10-1 has been met;
- (2) detail whether the groundwater dependent ecosystems are showing signs of deleterious health;
- (3) detail impacts to known groundwater dependent ecosystems related to western ringtail possum habitat where trigger threshold criteria have been exceeded and provide an analysis of changes to vegetation health, particularly noting deleterious changes to health; and
- (4) detail any changes to groundwater pH in proximal locations to groundwater dependent ecosystems.

10-5 In the event that monitoring, or investigations indicate an exceedance of threshold criteria specified in the *Yalyalup Mineral Sands Project: DMS-YAL-EMP-2.4 GDE Management Plan (October 2020)*, the proponent shall:

- (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified; and
- (2) implement the contingency actions required by condition 10-2(5) within seven (7) days of the exceedance being reported, as required by condition 10-5(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 implementation of threshold contingency actions are no longer required.

10-6 The proponent:

- (1) may review and revise the *Yalyalup Mineral Sands Project: DMS-YAL-EMP-2.4 GDE Management Plan (October 2020)*; or
- (2) shall review and revise the *Yalyalup Mineral Sands Project: DMS-YAL-EMP-2.4 GDE Management Plan (October 2020)* as and when directed by the CEO.

10-7 The proponent shall continue to implement the *Yalyalup Mineral Sands Project: DMS-YAL-EMP-2.4 GDE Management Plan (October 2020)*, or any subsequent revisions as approved by the CEO in condition 10-3, until the CEO has confirmed

by notice in writing that the proponent has demonstrated the environmental objective detailed in condition 10-1 has been met.

11 Offsets

11-1 The proposal shall limit proposal impacts to no more than:

- (1) 0.34 ha indirect impact of Shrublands on southern Swan Coastal Plain ironstones (Busselton area) **Threatened Ecological Community**;
- (2) indirect impact of nine individuals of *Banksia squarrosa* subsp. *argillacea*; and
- (3) 1.78 ha direct impact of potential breeding and foraging habitat for forest red-tailed black cockatoo (*Calyptorhynchus banksii naso*), Baudin's cockatoo (*Calyptorhynchus baudinii*) and Carnaby's cockatoo (*Calyptorhynchus latirostris*)

as a result of the implementation of the proposal, and undertake offsets set out in conditions 11-2 to 11-9 to achieve the objective of counterbalancing the significant residual impact on the abovementioned environmental values.

11-2 Prior to **ground disturbing activities** or clearing of vegetation and within six (6) months of the publication of this Statement, the proponent shall prepare and submit the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* to the requirements of the CEO.

11-3 The *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* shall:

- (1) demonstrate that the outcome in condition 11-1 will be met;
- (2) be prepared on advice of the Department of Agriculture, Water and the Environment and the Department of Biodiversity, Conservation and Attractions;
- (3) identify an area, or areas, to be acquired which contains the environmental value/s identified in condition 11-1, or similar values of equivalent conservation significance 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 condition 11-1 through application of the principles of the *WA Environmental Offsets Policy (2011)* and completion of the WA Offsets Template, as described in the *WA Environmental Offsets Guidelines (2014)*, and the *Environment Protection and Biodiversity Conservation Act 1999 Environmental Offsets Policy Assessment Guide (2012)*, or any subsequent revisions of these documents;
- (5) identify how the Proposed Offset Conservation Area will be acquired and specify:

- (a) a timeframe and works associated with establishing the Proposed Offset Conservation Area, including a contribution for maintaining the offset for at least twenty (20) years after completion of purchase; and
- (b) each relevant management body for the on-going management of the Proposed Offset Conservation Area, including its role, and confirmation in writing that the relevant management body accepts responsibility for its role.

11-4 The proponent:

- (1) may review and revise the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy*; or
- (2) shall review and revise the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* as and when directed by the CEO by a notice in writing.

11-5 The proponent shall implement the latest revision of the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* approved by the CEO.

11-6 The proponent shall report to the CEO on the outcomes of the actions, objectives, and targets in the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* within sixty (60) days of completion of those outcomes.

11-7 The proponent shall continue to implement the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* until the CEO has confirmed by notice in writing that the proponent has demonstrated that the outcome in condition 11-1 has been met.

11-8 Should the actions, objectives, or targets in *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* be unable to be met, the proponent shall notify the CEO within seven (7) days of it being identified and provide details and timing of contingency actions to be undertaken, to the satisfaction of the CEO.

11-9 The proponent shall report to the CEO on the outcomes of the contingency actions as required by condition 11-8 within sixty (60) days of completion.

12 Offsets – Western Ringtail Possum Habitat

12-1 If, after receiving the Groundwater Dependent Ecosystems Performance Report required by condition 10-4, the CEO determines that the proposal has resulted in an additional significant residual impact to habitat for the western ringtail possum, and notifies the proponent in writing, the proponent must undertake an additional offset to counterbalance the significant residual impact from the loss of habitat for the western ringtail possum on the McGibbon Track, as a result of dewatering for mine pits within the development envelope delineated in Figure 2 of Schedule 1.

- 12-2 Within twelve (12) months of receiving notice in writing that an additional offset is required under condition 12-1, the proponent shall update the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy* required by condition 11-2 to include additional offsets to counterbalance the significant residual impact from the loss of habitat for the western ringtail possum.
- 12-3 The proponent shall implement the latest revision of the *Yalyalup Mineral Sands Project Land Acquisition Offset Strategy*, which the CEO has confirmed in writing satisfies the requirements of conditions 11 and 12.

13 Abba River

- 13-1 The proponent shall implement the proposal to meet the following environmental objective:
- (1) avoid where possible, otherwise minimise, direct and indirect impacts to the ecological and hydrological functions of the Abba River from construction activities including but not limited to erosion, sedimentation, pollutants, weed introduction, vegetation clearing, loss of habitat and changes to ecological values.
- 13-2 To achieve the objective of condition 13-1, prior to **ground disturbing activities** for the purposes of constructing the Abba River crossing, unless otherwise agreed in writing by the CEO, the proponent shall prepare and submit an Abba River Management Strategy. This Strategy shall:
- (1) when implemented, substantiate and ensure that condition 13-1 is being met;
 - (2) be prepared in consultation with the South West Aboriginal Land and Sea Council on the advice of the **Department**;
 - (3) specify trigger criteria that will trigger the implementation of management and/or contingency actions to prevent further direct or indirect impacts to the Abba River crossing;
 - (4) specify threshold criteria to demonstrate compliance with condition 13-1;
 - (5) specify monitoring methodology to determine if trigger criteria and threshold criteria have been met;
 - (6) specify management and/or contingency actions to be implemented if the trigger criteria required by condition 13-2(3) and/or the threshold criteria required by condition 13-2(4) have not been met; and
 - (7) provide a format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 13-1 has been met over the reporting period in the Compliance Assessment Report required by condition 4-6.

- 13-3 The proponent shall implement the most recent version of the Abba River Management Strategy which the CEO has confirmed by notice in writing addresses the requirements of conditions 13-1 and 13-2.
- 13-4 In the event that monitoring, or investigations indicate an exceedance of threshold criteria specified in the Abba River Management Strategy, the proponent shall:
- (1) report the exceedance in writing to the CEO within seven (7) days of the exceedance being identified; and
 - (2) implement the contingency actions required by condition 13-2(6) within seven (7) days of the exceedance being reported, as required by condition 13-4(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 implementation of threshold contingency actions are no longer required.
- 13-5 The proponent:
- (1) may review and revise the Abba River Management Strategy; or
 - (2) shall review and revise the Abba River Management Strategy as and when directed by the CEO.
- 13-6 The proponent shall implement the Abba River Management Strategy, or any subsequent revisions as approved by the CEO in condition 13-3, until the CEO has confirmed by notice in writing that the proponent has demonstrated the environmental objective detailed in condition 13-1 has been met.

[signed on 17 May 2021]

HON AMBER-JADE SANDERSON MLA
MINISTER FOR ENVIRONMENT; CLIMATE ACTION

Table 1: Summary of the proposal

Proposal title	Yalyalup Mineral Sands Project
Short description	The proposal is to construct and operate the Yalyalup mineral sands mine. The proposal includes the development of mine pits and associated infrastructure, wet concentration processing plant, solar evaporation ponds, groundwater abstraction, water management infrastructure and process water dam. The life of mine is expected to be up to five years.

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

Element	Location	Proposed extent
Physical elements		
Mine pits and supporting infrastructure (disturbance footprint)	Figure 2	No more than 451.33 ha of disturbance (which includes no more than 2.72 ha of native vegetation) within a 924.84 ha development envelope
Operational elements		
Groundwater abstraction	-	Abstraction of up to 1.6 gigalitres per annum from the Yarragadee aquifer
Ore processing heavy mineral concentrate	-	No more than 250,000 tonnes per annum

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.
Department	The Western Australian government department responsible for the administration of the EP Act, which at the time of these conditions being approved, is the Department of Water and Environmental Regulation.
Dewatering	Means removing underground water to facilitate excavation for the purposes of carrying out works, construction or other similar activities.
EP Act	<i>Environmental Protection Act 1986</i>
Ground-disturbing activities	Activities that are associated with the substantial implementation of a proposal including, but not limited to, digging (with mechanised equipment), blasting, earthmoving, vegetation clearance, grading, gravel extraction, construction of new or widening of existing roads and tracks.
ha	Hectare
Threatened Ecological Community	A Threatened Ecological Community is a vegetation community which is found to fit into one of the following categories; “presumed totally destroyed”, “critically endangered”, “endangered” or “vulnerable” under the <i>Biodiversity Conservation Act 2016</i> and/or <i>Environment Protection and Biodiversity Conservation Act 1999</i> .

Figures (attached)

Figure 1: Regional location

Figure 2: Development envelope and disturbance footprint

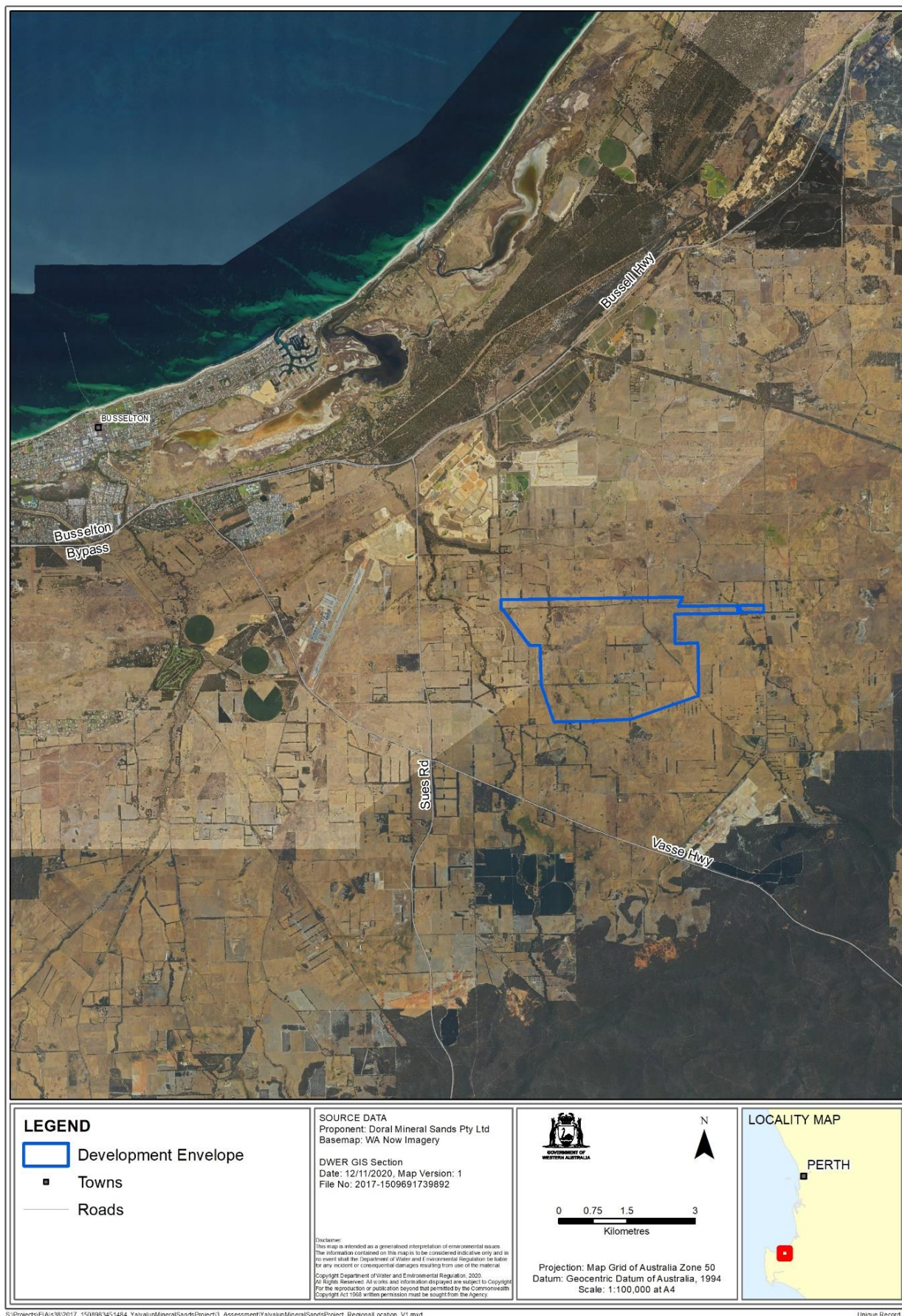


Figure 1: Regional location

Schedule 2

Coordinates defining the areas shown in Figures 1 and 2 are held by the Department of Water and Environmental Regulation, under reference numbers DWERDT390364.

All coordinates are in metres, listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geocentric Datum of Australia 1994 (GDA94).