

EPBC 2012/6521

2022 Annual Compliance Report

Yoongarillup Mineral Sands Project



1 January 2022 to 31 December 2022

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Report and Scope

The Yoongarillup Mineral Sands Project (EPBC 2012/6521) was declared a controlled action as per the EPBC Act 1999 on 26th September 2012 and following the submission of the project referral was granted conditional approval on 26th August 2016.

The Project was also granted State Ministerial approval (Ministerial Statement 1030) in June 2016.

The scope of this Annual Compliance Report is to satisfy Condition 6 of EPBC 2012/6521, addressing compliance with each of the conditions of the approval for the 2022 calendar year.

A. YOONGARILLUP MINERAL SANDS PROJECT SUMMARY

A.1 PROJECT LOCATION, PROPONENT AND OVERVIEW

The Doral Mineral Sands Yoongarillup Mineral Sands Project was granted Ministerial Statement 1030 in June 2016 to extract ore from the strand of heavy mineral deposit located within Mining Tenements M70/458 and M70/459, 17km southeast of Busselton (Figure 1), Western Australia. Approximately 4,000,000t was expected to be extracted from the deposit to produce 256,000t of heavy mineral concentrate (HMC) per annum. HMC product generated from mining the deposit includes zircon, ilmenite and rutile.

The Project has a total disturbance envelope of 95.71ha. Of this area, 86.81ha is located within previously cleared land currently used for farming activities (i.e., agriculture/pasture) and 8.90ha is located within State Forest No. 33 (managed by the Department of Biodiversity, Conservation and Attractions; DBCA).

The Yoongarillup mine was operational until 2nd November 2020. Although rehabilitation of the land has been progressive during this time, the site has now transitioned into a wholly rehabilitation and closure operation. Access to open pits and site supervision are being maintained for inspection purposes and to enable surface water management whilst rehabilitation earthworks are conducted.

B. SUMMARY OF MINING OPERATIONS

B.1 SUMMARY OF OPERATIONS FOR 2022

2022 Operation

Dewatering ceased at the Yoongarillup Mine site on 22nd October 2020. Mining operations ceased on 2nd November 2020 and the site entered the decommissioning and rehabilitation phase.

Rehabilitation activities continued throughout 2021 including the back filling and profiling of the final pit voids and process water dam. The site is now considered rehabilitated however, some rehabilitation repair work will be undertaken in 2022.

Emission and Monitoring Locations can be seen as Figure 2. DWER PartV Licence L9018/2016/1 was surrendered in January 2023 ceasing the requirement for further monitoring going forward.

C. COMPLIANCE

C.1 COMPLIANCE WITH EPBC 2012/6521

The Yoongarillup Mineral Sands Project (EPBC 2012/6521) was declared a controlled action as per the EPBC Act 1999 on 26th September 2012 and following the submission of the project referral was granted conditional approval on 26th August 2016.

The Project was also granted State Ministerial approval (Ministerial Statement 1030) in June 2016.

EPBC 2012/6521 includes 8 conditions as tabled in Table C-1 below and during the 2022 there were no non-compliances to report.

Table C-1 COMPLIANCE WITH EPBC 2012/6521 FOR THE YOONGARILLUP MINE IN 2022

Condition	Description of Condition	Action/Status
1	For the protection of EPBC Act listed species, the approval holder must comply with condition 6-1 of the Western Australian Government Approval.	Condition 6-1 was complied with in previous years and maintained in 2019. The boundary of Area A was clearly delineated in 2017 and clearing works undertaken in October 2017 with no loss of native vegetation beyond Area A incurred. The kangaroo resistant perimeter fencing was installed immediately after clearing.
2	For the protection of the EPBC Act listed species, the approval holder must protect and manage an area of at least 35 hectares in accordance with condition 8 of the Western Australian Government Approval.	A suitable direct offset as per MS:1030 Condition 8 and totalling 134ha was identified and secured for ownership by the State and managed by the Department of Biodiversity, Conservation and Attractions. This land was approved by the Department of Water and Environmental Regulation (EPA) on 21 st September 2017 and prior to clearing of Area A taking place. The 134ha offset was fenced with kangaroo resistant fencing under the supervision of DBCA in early 2018.
3	For the protection of the Vasse-Wonnerup wetlands, the approval holder must monitor and maintain accurate records of the volumes of groundwater extracted.	Groundwater Abstraction Licence (GWL202591(3)) is in place and regular monitoring is undertaken. Mine pit dewatering commenced for the first time in February 2019 and ceased on the 22 nd of October 2020.

		<p>Groundwater monitoring and reporting was conducted as per the DWER approved Groundwater Operating Strategy and annual (2021) aquifer review was submitted to DWER on 31st March 2021.</p> <p>Details taken from the Annual report regarding the abstraction from the Yarragadee Bore are discussed in Section E.2 of this report</p>
4	<p>Within 30 days after the commencement of the action, the approval holder must advise the Department in writing of the actual date of commencement.</p>	<p>Land disturbance activities commenced on 3rd January 2017. Formal notification was forwarded to the DAWE within 30 days on 20th January 2017 and was acknowledged on the 31st January 2017.</p>
5	<p>The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.</p>	<p>Doral have monitored and recorded accurate records as required.</p>

6	<p>Within three months of every 12 month anniversary of the commencement of the action, the approval holder must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and noncompliance with any of the conditions of this approval must be provided to the Department at the same time as the compliance report is published. Unless otherwise agreed to in writing by the Minister, each report must remain on the website for the life of the approval. The approval holder must provide reports under this condition until such time as agreed to in writing by the Minister.</p>	<p>This report is evidence of this condition being met. The report shall be posted to the Doral website and DAWE notified.</p>
7	<p>Upon the direction of the Minister, the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted, and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.</p>	<p>Not required during 2022.</p>
8	<p>If, at any time after 5 years from the date of this approval, the approval holder has not commenced the action, then the approval holder must not commence the action without the written agreement of the Minister.</p>	<p>Action commenced during 2017.</p>

D. LAND OFFSETS

D.1 LAND ACQUISITION AND MANAGEMENT PLAN

Following the granting of Ministerial Statement 1030, as per condition 8-2 a Land Acquisition and Management Plan (LAMP) was prepared in consultation with the Department of Biodiversity, Conservation and Attractions (formerly Parks and Wildlife). The LAMP is inclusive of EPBC 2012/6521 Condition 2, and was submitted to the Department of Water and Environmental Regulation DWER (EPA) on 22nd November 2016 and approved on 6th December 2016. The LAMP was made publically available on the Doral website www.doral.com.au following approval.

The LAMP contained several options for the securing of a direct land offset including 12 potential sites along the Whicher Range and an additional site not on the Whicher Range, which was identified by the DBCA with significant conservation value. Throughout the investigation of these landholdings, limited availability of privately held native vegetation on the Whicher Scarp which would satisfy the area or quality requirements of MS:1030 and EPBC 2012/6521, led to further investigation of the identified land which was not on the Whicher Range. Throughout this investigation in consultation with the DBCA, the DBCA advised DWER that the purchase of the nominated 134ha of land and its ongoing management for conservation provides the best environmental outcome as an offset to counterbalance the significant residual impact to the 8.9ha of Whicher Scarp Native Forest Ecosystem of the Yoongarillup Mineral Sands Project.

A letter was forwarded to the CEO of DWER (EPA) on 23rd August 2017 to request their approval as per MS:1030 Condition 8-2 2(d) for the nominated 134ha offset land to be located outside of the Whicher Scarp Native Forest Ecosystem. This request was approved by the CEO on 21st September 2017 and acknowledging that both Condition 2 of EPBC 2012/6521 and Condition 8-2 had been met.

Following the CEO (Director General) for DWER approval for the nominated land, the funding arrangement for the land by DBCA was enacted and the procurement of the land commenced. This was acknowledged by the CEO on the 27th September 2017 (Figure 3) and the purchase agreement was finalised on 16th November 2017.

Survey and fencing of the offset land as managed by DBCA was undertaken in March 2018.

E. GROUNDWATER EXTRACTION

E.1 PIT DEWATERING

Dewatering ceased on site on the 22nd of October 2020, with mining operations ceasing on the 2nd of November 2020.

E.2 YARRAGADEE GROUNDWATER

A total of 4530kL was extracted from the Yarragadee bore during the 2022 period (Table E-1). This is a much reduced volume from previous years as a result of the final rehabilitation of the Yoongarillup site now complete.

The Yoongarillup site is now completely rehabilitated.

TABLE E-1 YARRAGADEE ABSTRACTION FOR 2022

Month	Monthly Total (kL)
January 2022	20
February 2022	10
March 2022	1290
April 2022	2160
May 2022	10
June 2022	1005
July 2022	5
August 2022	10
September 2022	0
October 2022	0
November 2022	20
December 2022	0
Total 2022 (kL):	4530

FIGURES

Figure 1 Locality Plan

Figure 2 Yoongarillup Minesite End of Year Map

Figure 3 Director General DWER Letter - Approval of Offsets



Doral

Yoongarillup Mineral Sands Project

Regional Location

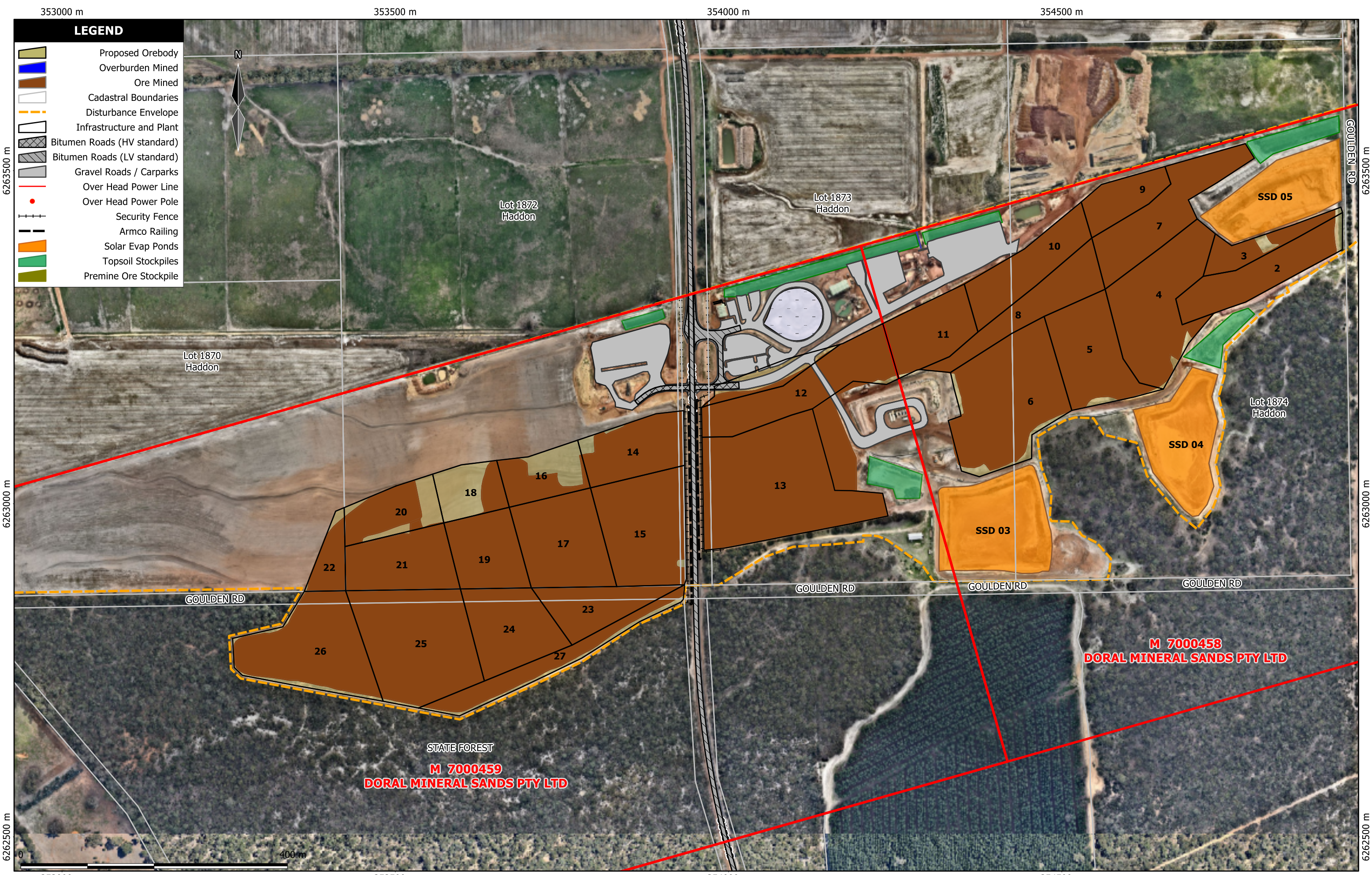
Scale
1:250,000

Datum: GDA94
Projection: MGA Zone 50

Sheet Size A3

Figure: 1-1

17/08/2016



M 7000458
DORAL MINERAL SANDS PTY LTD

M 7000459
DORAL MINERAL SANDS PTY LTD





Mr Andrew Templeman
General Manager
Doral Mineral Sands Pty Ltd
PO Box 9155
PICTON WA 6229

Your Ref:
Our Ref: CEO2652/17 DWERA-000067
Enquiries: Paul Zahra, 6364 7005
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Attention: Mr Craig Bovell, OSH&E Superintendent

Dear Mr Templeman

MINISTERIAL STATEMENT 1030 – ENVIRONMENTAL OFFSETS

Thank you for your letter dated 22 September 2017 regarding the Yoongarillup Mineral Sands Project to satisfy environmental offset requirements.

The Department of Water and Environmental Regulation (DWER) accepts that the purchase agreement and funding arrangements documented are satisfactory evidence that key components of the *Land Acquisition and Management Plan (November 2016, Rev 2)* have been implemented.

It is noted that you will continue to work with the Department of Biodiversity, Conservation and Attractions to complete the remaining components of the plan, such as fencing and confirmation of land purchase.

If you have any questions regarding this matter, please contact Paul Zahra on 6364 7005

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Mike Rowe'.

Mike Rowe
DIRECTOR GENERAL
DEPARTMENT OF WATER AND ENVIRONMENTAL REGULATION

27 September 2017



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