



Austsand Mining
Mindijup Silica Sand Mine
Annual Compliance Report - EPBC 2012/6472

December 2019

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1. Introduction

1.1 Background

In 2012, TT Sands Pty Ltd, trading as AustSand Mining (AustSand) submitted a referral under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) for their Mindijup Silica Sand Mine, north-east of Albany.

The project was approved under the EPBC Act on 27 May 2013 (EPBC 2012/6472). A copy of the approval is included in Appendix A.

1.2 Purpose of this report

This report has been prepared by GHD on behalf of AustSand to demonstrate adherence to conditions of approval granted under the EPBC Act (EPBC 2012/6472) as required under Condition 9 of the above approval.

1.3 Scope and limitations

This report: has been prepared by GHD for AustSand Mining and may only be used and relied on by AustSand Mining for the purpose agreed between GHD and the AustSand Mining as set out in section 1.2 of this report.

GHD otherwise disclaims responsibility to any person other than AustSand Mining arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by AustSand Mining and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the site may be different from the site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the site conditions. GHD is also not responsible for updating this report if the site conditions change.

2. Conditions

2.1 Condition 1

The person taking the action must not clear more than 70 ha of native vegetation within the project area. Clearing must not occur within the 'Site Boundary Buffer (100 m)' identified in Attachment A.

Response: The total area of clearing to date is 24 ha (6 ha in each of 2016, 2017, 2018 and 2019), as shown in Appendix B **Figure 1**. All clearing has been undertaken within the approved area and no clearing has occurred within the Site Boundary Buffer identified in Attachment A of EPBC 2012/6472.

2.2 Condition 2

To avoid potential impacts to Black Cockatoos, the person taking the action must not undertake any clearing within a 150 m radius of any Black Cockatoo roosting trees identified in Attachment A.

Response: All clearing has been undertaken within the approved area and no clearing has taken place within a 150 m radius of Black Cockatoo roosting trees identified in Attachment A of EPBC 2012/6472.

2.3 Condition 3

To avoid potential impacts to Black Cockatoos, the person taking the action must not clear any remnant vegetation within the 25.36 ha 'Wetland area' in the south west corner of the project area identified in Attachment A.

Response: No clearing has taken place within the 'Wetland area' located within the south west corner of the project area, identified in Attachment A of EPBC 2012/6472.

2.4 Condition 4

*To prevent the occurrence of Dieback (*Phytophthora cinnamomi*) on site and to mitigate potential impacts to Black Cockatoo roosting habitat to be retained within the Project Area, the person taking the action must ensure that all vehicles being used during operation of the quarry that have come from a Dieback affected area must be washed down prior to entering the project area in accordance with WA DEC best practice guidelines for the management of *Phytophthora cinnamomi*.*

Response: Mobile machinery was visually inspected prior to being used on site and prior to being removed from site. All vegetation clearing was carried out in dry conditions. Copies of Weed and Seed Certificates are included in Appendix C.

2.5 Condition 5

To mitigate impacts to Black Cockatoos, the person taking the action must prepare and submit a Rehabilitation and Mine Closure Plan (RMCP). The RMCP must include, but not be limited to:

- a. *Details of progressive rehabilitation measures for each cell of annual clearing. These details should include; commencement timeframes, species to be utilised, stocking rates, measures to be utilised to ensure success, success targets, contingency measures in the case of not meeting targets and monitoring requirements;*
- b. *Measures to exclude weeds and feral animals from rehabilitation areas;*

- c. *Details of rehabilitation and revegetation measures following the completion of mining operations;*
- d. *Strategies to prevent the spread of Dieback;*
- e. *Maps showing where key rehabilitation work is to occur;*
- f. *Timeframes for the implementation and completion of the above measures or strategies;*
- g. *Details of monitoring and contingency measures if the performance indicators are not met; and,*
- h. *Roles and responsibilities of personnel associated with implementing each of the above measures.*

The RMCP must be submitted to the Department within 12 months of the commencement of mining operations. If the Minister approves the RMCP, the approved RMCP must be implemented.

Response: AustSands Rehabilitation and Mine Closure Plan (GHD April 2017) was approved by Department of the Environment and Energy on the 10 May 2017 (Appendix D). To date approximately 1.78 ha of rehabilitation has been undertaken within the approval area. As the rehabilitation is less than two years in age no monitoring has been undertaken, however during the recent GHD 2019 monitoring round it was noted that the 2018 rehabilitation area showed establishment / germination of seedlings with little signs of erosion or other disturbances (Plate 1). Monitoring quadrats will be installed in the next monitoring round (2021).



Plate 1 2018 Rehabilitation (October 2019)

As part of the commitment to progressive rehabilitation of the site the following works have been carried out in accordance with the approved RMCP, this includes:

- Progressive rehabilitation measures:
 - Stock-piling of topsoil, subsoil and vegetation material
- Strategies to prevent the spread of Dieback:
 - Earthmoving machinery was cleaned prior to access to the site. Heavy earthmoving machinery was brought on site for clearing and rehabilitation earthworks during the period February to April, which is the driest time of the year and is the period most suitable for rehabilitation preparation, prior to the winter wet season

- Clean-down certificates were completed and kept as a record of machinery condition on entering site
- The movement of machines and other vehicles was restricted to the limits of the areas to be cleared.

2.6 Condition 6

To offset the loss of habitat for Black Cockatoos, prior to the commencement of mining operations, the person taking the action must provide the Department with written evidence of provision of funds to WA DEC for the acquisition of the offset property. The written evidence must include a description and map clearing defining the location and boundaries of the offset property and be accompanied with the offset attributes. The person taking the action must provide the Department with written evidence that an area of no less than 600 ha of Lot 51 on Deposited Plan 38521, Branson Road, Takalarup, WA, has been attributed as an offset for this action. The person taking the action must inform the Department how much of this property remains unattributed to any action for the purpose of offsetting.

Response: AustSand submitted an Offset Proposal to the Department of the Environment and Energy in December 2012, providing information relating to the acquisition of an offset property at Lot 51 in Branson Road, Takalarup. The offset property was purchased by AustSand and is now held in the name of the State of Western Australia and is being managed as a nature reserve by the Department of Biodiversity, Conservation and Attractions (Parks and Wildlife Service).

2.7 Condition 7

Within 30 days after the commencement of the action, the person taking the action must advise the Department in writing of the actual date of commencement.

Response: Notification of commencement of the action was provided to the Department of the Environment and Energy in writing on 22 February 2016. The action (native vegetation clearing) commenced on 8 February 2016.

2.8 Condition 8

The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the RMCP required by this 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 or 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.

Response: Clearing records and survey data are maintained by AustSand and are available upon request. A copy of the 2019 mine plan is included in Appendix E. The cleared area for the current mine cell is active. Approximately 1.78 ha of rehabilitation has commenced within previously mined inactive cells.

2.9 Condition 9

By 31 December of each year after the commencement of the action, the person taking the action must publish a report on their website addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management plans as

specified in the conditions. Non-compliance with any of the conditions of this approval must be reported to the Department at the same time as the compliance report is published.

Response: This report serves to fulfil the requirements of Condition 9.

2.10 Condition 10

If the person taking the action wishes to carry out any activity otherwise than in accordance with the RMCP as specified in the conditions, the person taking the action must submit to the Department for the Minister's written approval a revised version of that RMCP. The varied activity shall not commence until the Minister has approved the varied RMCP in writing. The Minister will not approve a varied RMCP unless the revised RMCP would result in an equivalent or improved environmental outcome over time. If the Minister approves the revised RMCP, that RMCP must be implemented in place of the RMCP originally approved.

Response: The RMCP (GHD April 2017) was approved by the Department of the Environment and Energy on the 10 May 2017. Approximately 1.78 ha of rehabilitation has commenced within the approval area. Rehabilitation activities have been carried out in accordance with the approved RMCP.

2.11 Condition 11

If the Minister believes that it is necessary or convenient for the better protection of listed threatened species to do so, the Minister may request that the person taking the action make specified revisions to the RMCP specified in the conditions and submit the revised RMCP for the Minister's written approval. The person taking the action must comply with any such request. The revised approved RMCP must be implemented. Unless the Minister has approved the revised RMCP, then the person taking the action must continue to implement the RMCP originally approved, as specified in the conditions.

Response: No changes to the approved RMCP have been requested by the Minister.

2.12 Condition 12

If, at any time after five (5) years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence mining operations associated with this action without the written agreement of the Minister.

Response: The action was commenced on 8 February 2016.

2.13 Condition 13

Unless otherwise agreed to in writing by the Minister, the person taking the action must provide a copy of each approved RMCP referred to in these conditions of approval to members of the public upon request. Copies must be provided within a reasonable time of the request.

Response: AustSand will maintain copies of each approved RMCP and will make copies available to members of the public upon request. No requests have been received for copies of the RMCP.

Appendices

Appendix A – EPBC Approval (EPBC 2012/6472)



Approval

Extension of existing Silica Sand Mine, Mindijup, 40 km north-east of Albany, WA (EPBC 2012/6472)

This decision is made under sections 130(1) and 133 of the *Environment Protection and Biodiversity Conservation Act 1999*.

Proposed action

person to whom the approval is granted TT Sands Pty Ltd (trading as Austsand Mining)

proponent's ACN (if applicable) ACN: 064 072 322

proposed action To clear native vegetation for the extension of silica sand mining on the Mindijup Mine Lease (M70/M793), 40 km north-east of Albany, Western Australia [See EPBC Act referral 2012/6472].

Approval decision

Controlling Provision	Decision
Listed threatened species and communities (sections 18 & 18A)	Approved

conditions of approval

This approval is subject to the conditions specified below.

expiry date of approval

This approval has effect until 31 December 2031

Decision-maker

name and position Barbara Jones
Assistant Secretary
North, West and Offshore Assessment Branch

signature

date of decision 27 May 2013

Conditions attached to the approval

1. The person taking the action must not **clear** more than 70 ha of native vegetation within the **project area**. **Clearing** must not occur within the 'Site Boundary Buffer (100m)' identified at Attachment A.
2. To avoid potential impacts to **Black Cockatoos**, the person taking the action must not undertake any **clearing** within a 150 m radius of any **Black Cockatoo roosting trees** identified at Attachment A.
3. To avoid potential impacts to **Black Cockatoos**, the person taking the action must not **clear any remnant vegetation** within the 25.36 ha 'Wetland area' in the south west corner of the **project area** identified at Attachment A.
4. To prevent the occurrence of **Dieback** (*Phytophthora cinnamomi*) on site and to mitigate potential impacts to **Black Cockatoo roosting habitat** to be retained within the **Project Area**, the person taking the action must ensure that all vehicles being used during **operation** of the quarry that have come from a **Dieback** affected area be washed down prior to entering the **project area** in accordance with **WA DEC** best practice guidelines for the management of *Phytophthora cinnamomi*.
5. To mitigate impacts to **Black Cockatoos**, the person taking the action must prepare and submit a Rehabilitation and Mine Closure Plan (RMCP). The RMCP must include, but not be limited to:
 - a. details of progressive rehabilitation measures for each cell of annual clearing. These details should include; commencement timeframes, species to be utilised, stocking rates, measures to be utilised to ensure success, success targets, contingency measures in the case of not meeting targets and monitoring requirements;
 - b. measures to exclude weeds and feral animals from rehabilitation areas;
 - c. details of rehabilitation and revegetation measures following the completion of mining operations;
 - d. strategies to prevent the spread of Dieback;
 - e. maps showing where key rehabilitation work is to occur;
 - f. timeframes for the implementation and completion of the above measures or strategies;
 - g. details of monitoring and contingency measures if performance indicators are not met; and,
 - h. roles and responsibilities of personnel associated with implementing each of the above measures.

The RMCP must be submitted to the **Department** within 12 months of the **commencement** of mining operations. If the **Minister** approves the RMCP, the approved RMCP must be implemented.

6. To offset the loss of habitat for **Black Cockatoos**, prior to the commencement of mining **operations**, the person taking the action must provide the **Department** with written evidence of the provision of funds to **WA DEC** for the acquisition of the **offset property**. The written evidence must include a description and map clearly defining the location and

boundaries of the **offset property** and be accompanied with the **offset attributes**. The person taking the action must provide **the Department** with written evidence that an area of no less than 600 ha of Lot 51 on Deposited Plan 38521, Branson Road, Takalarup, WA, has been attributed as an offset for this action. The person taking the action must inform **the Department** how much of this property remains unattributed to any action for the purpose of offsetting.

7. Within 30 days after the **commencement** of the action, the person taking the action must advise **the Department** in writing of the actual date of commencement.
8. The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the RMCP required by this 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.
9. By 31 December of each year after the **commencement** of the action, the person taking the action must publish a report on their website addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management plans as specified in the conditions. Non-compliance with any of the conditions of this approval must be reported to **the Department** at the same time as the compliance report is published.
10. If the person taking the action wishes to carry out any activity otherwise than in accordance with the RMCP as specified in the conditions, the person taking the action must submit to the department for **the Minister's** written approval a revised version of that RMCP. The varied activity shall not commence until **the Minister** has approved the varied RMCP in writing. **The Minister** will not approve a varied RMCP unless the revised RMCP would result in an equivalent or improved environmental outcome over time. If **the Minister** approves the revised RMCP, that RMCP must be implemented in place of the RMCP originally approved.
11. If **the Minister** believes that it is necessary or convenient for the better protection of listed threatened species to do so, **the Minister** may request that the person taking the action make specified revisions to the RMCP specified in the conditions and submit the revised RMCP for **the Minister's** written approval. The person taking the action must comply with any such request. The revised approved RMCP must be implemented. Unless **the Minister** has approved the revised RMCP, then the person taking the action must continue to implement the RMCP originally approved, as specified in the conditions.
12. If, at any time after five (5) years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence mining **operations** associated with this action without the written agreement of **the Minister**.
13. Unless otherwise agreed to in writing by **the Minister**, the person taking the action must provide a copy of each approved RMCP referred to in these conditions of approval to members of the public upon request. Copies must be provided within a reasonable time of the request.

Definitions

Black Cockatoos is defined as the endangered Carnaby's Black-Cockatoo (*Calyptorhynchus latirostris*), the vulnerable Baudin's Black-Cockatoo (*Calyptorhynchus baudinii*) and the vulnerable Forest Red-tailed Black-Cockatoo (*Calyptorhynchus banksii naso*).

Black Cockatoo roosting trees are located within the remnant wetland vegetation in the south eastern corner of the project area. The trees are individually marked as 'Roosting Site' at Attachment A.

Clear or Clearing is defined as the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ringbarking, uprooting or burning of native vegetation.

Commencement includes **clearing** and any preparatory works required to be undertaken including clearing vegetation, the erection of any fences, signage or on-site temporary structures and the use of construction or excavation equipment on site for the purpose of breaking the ground for buildings, infrastructure or resource extraction.

The Department is the Australian Government Department administering the *Environment Protection and Biodiversity Conservation Act 1999*. This includes any future Australian Government Department that becomes responsible for the administration of this approval under any future environmental legislation.

The Minister is the Minister administering the *Environment Protection and Biodiversity Conservation Act 1999* and includes a delegate of the **Minister**. Includes any future **Minister of the Department**.

Project area is defined by the area of mining lease M70/M793 identified as 'Site Boundary' at Attachment A.

Offset attributes must be in the form of an excel file ('.xls') capturing relevant attributes of the Offset Area, including the EPBC reference ID number, the physical address of the offset site, coordinates of the boundary points in decimal degrees, the EPBC protected matters that the offset compensates for, any additional EPBC protected matters that are benefiting from the offset, and the size of the offset in hectares.

The **Offset property** is the property that is approximately 793 ha in size (identified as the 'Proposed Offset Area 2012/6472' at Attachment B) that has been purchased by Austsand Pty Ltd and is being managed for conservation by **WA DEC** on behalf of the person proposing to take the action. The offset property is Lot 51 on Deposited Plan 38521 Branson Road, Takalarup, South Stirling. Six hundred hectares (600 ha) of the offset property is attributed as an offset specifically for the proposed action.

Remnant vegetation is defined by any native vegetation that has not been cleared within the last 20 years.

WA DEC is the Western Australian Department of Environment and Conservation (or equivalent agency).



1:7,500 (at A3)
 0 112.5 225 337.5 450
 Metres
 Map Projection: Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia
 Grid: Map Grid of Australia 1994, Zone 50



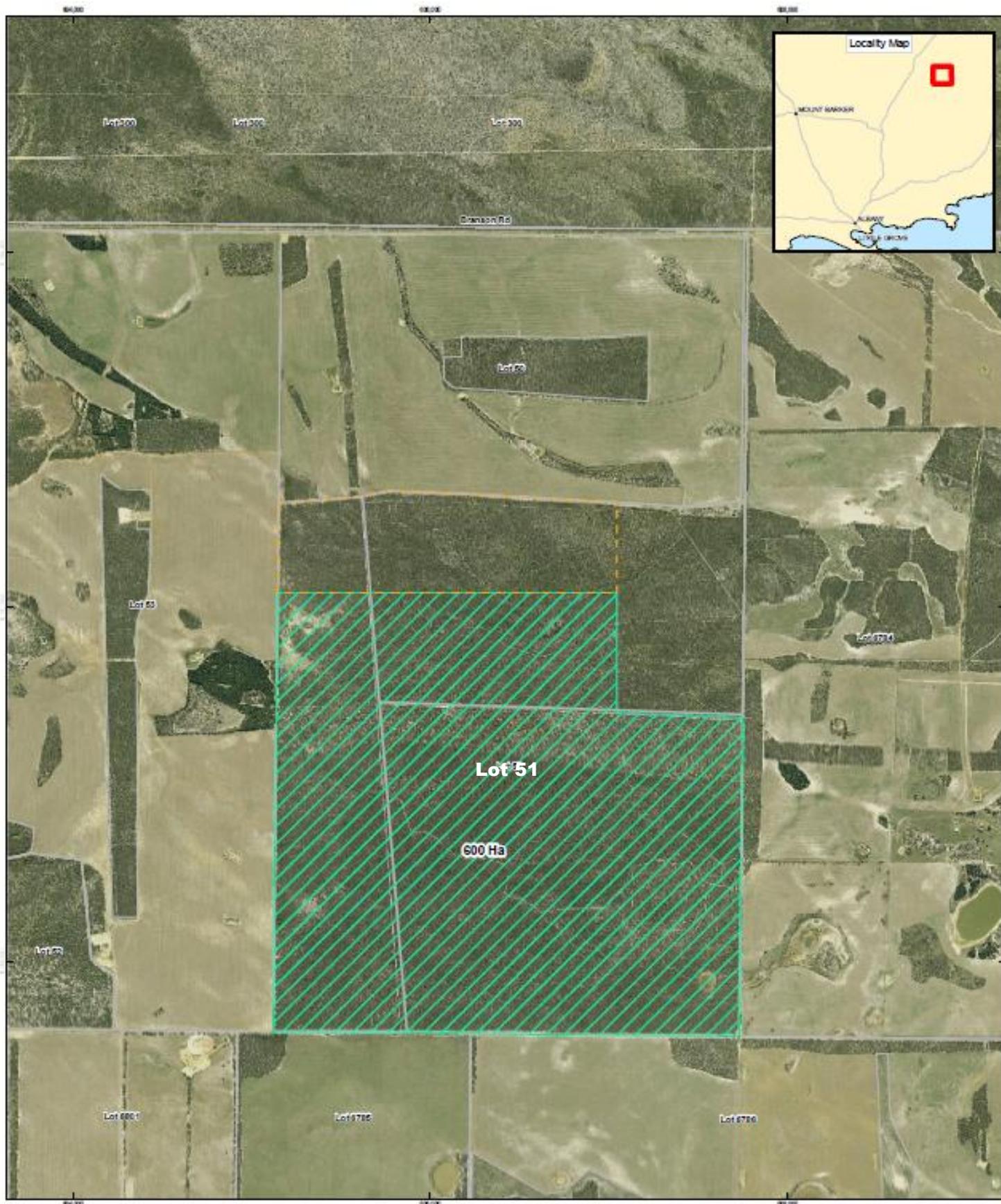
LEGEND
Trees Identified as >500mm DBH
 * *Corymbia calophylla*
 * *Eucalyptus marginata*
 * *Eucalyptus staeri*
 * Roosting Site
 [Red Box] Site Boundary
 [Purple Box] Site Boundary Buffer (100m)
 [Green Box] Clearing Area
 [Blue Box] Approved Clearing Permit (2011)
Potential Impact Avoidance
 [Black Box] Black Cockatoo Roosting - 100m Buffer
 [Blue Box] Remnant Vegetation

Vegetation Type
 1. *Banksia attenuata*, *Banksia ilicifolia*, *Eucalyptus staeri*, *Avicasianna fraseriana* Low Open Woodland
 2. *Eucalyptus marginata*, *Corymbia calophylla*, *Banksia attenuata*, *Avicasianna fraseriana* Woodland
 3. Swamp Margin
 4. *Mitelleuca* Low Forest
 5. *Melaleuca cuticularis*
 6. Tall Shrubland
 7. Cleared/Degraded

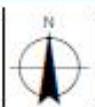


TT SANDS
 PTY LTD
 SLIP ENABLER

TT Sands Pty Ltd
 Clearing Permit Application
 Supporting Documentation
**Protected Areas -
 Black Cockatoos**



- LEGEND**
-  Existing State Offset – TT Sands (Austsands)
 -  Proposed Offset Area
 -  Cadastre



**TT SANDS
PTY LTD**

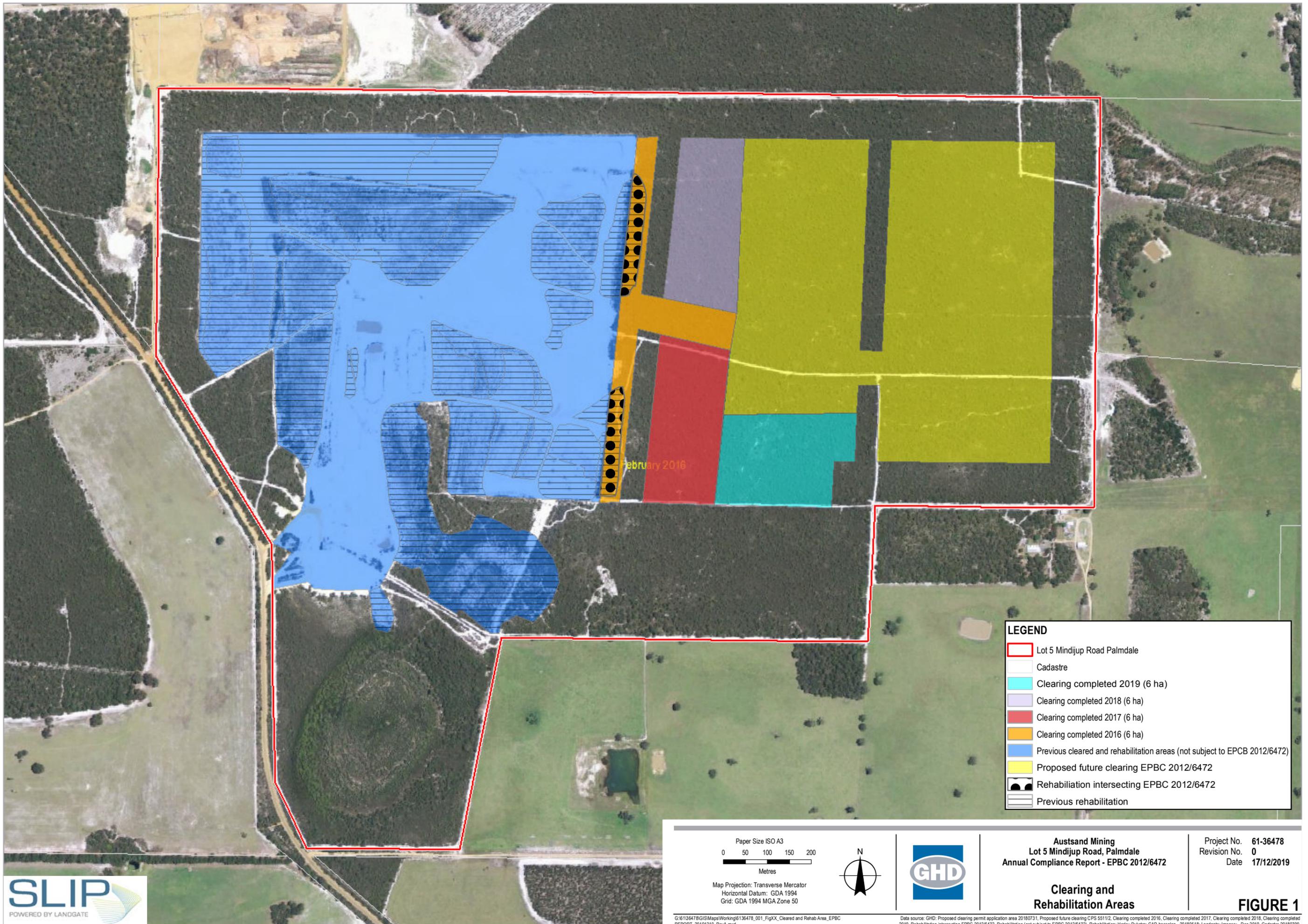
TT Sands Pty Ltd
Clearing Permit Application
Supporting Documentation

Job Number	81-28055
Revision	0
Date	28 Mar 2015

SLIP-ENABLED Offset Portion

Appendix B – Figures

Figure 1 Clearing and Rehabilitation Areas



LEGEND

- Lot 5 Mindijup Road Palmdale
- Cadastre
- Clearing completed 2019 (6 ha)
- Clearing completed 2018 (6 ha)
- Clearing completed 2017 (6 ha)
- Clearing completed 2016 (6 ha)
- Previous cleared and rehabilitation areas (not subject to EPBC 2012/6472)
- Proposed future clearing EPBC 2012/6472
- Rehabilitation intersecting EPBC 2012/6472
- Previous rehabilitation

<p>Paper Size ISO A3</p> <p>0 50 100 150 200</p> <p style="text-align: center;">Metres</p> <p>Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 50</p>			<p>Austsand Mining Lot 5 Mindijup Road, Palmdale Annual Compliance Report - EPBC 2012/6472</p>	<p>Project No. 61-36478 Revision No. 0 Date 17/12/2019</p>
<p>Clearing and Rehabilitation Areas</p>			<p>FIGURE 1</p>	
<p>G:\6136478\GIS\Map\Working\6136478_001_FigXX_Cleared and Rehab Area_EPBC REPORT_20191210_RevA.mxd Print date: 12 Dec 2019 - 12:57</p> <p>Data source: GHD: Proposed clearing permit application area 20180731; Proposed future clearing CPS 55112; Clearing completed 2016; Clearing completed 2017; Clearing completed 2018; Clearing completed 2019; Rehabilitation intersecting EPBC 2012/6472; Rehabilitation (not subject to EPBC 2012/6472); Rehabilitation; Harley Dykstra; CAD baseplan - 20180518; Landgate: Imagery - Dec 2019; Cadastre 20180709. Created by: vdvies</p>				



Appendix C – Weed and Seed Certificates

PRE MOBILISATION INSPECTION CHECKLIST

ITEM 25: WEED AND SEED CERTIFICATE

It is important that earthmoving machinery is in an acceptable condition before it enters site working areas in relation to safety, weeds, hydrocarbons, emissions and noise.

This certificate must be completed in the presence of the machine Supervisor.

Date of arrival/inspection:

8-4-19

Name of machinery Supervisor:

MARK HIGGINS

Name of person conducting inspection:

SCOTT WHITBREAD

What kind of machine is it?

D7

Where was the last site the machine worked

MUNDUP

Please list any problem weeds at the last site.

Was the machine cleaned after it left the last site?

Yes No

Are buckets, tracks, blades etc free of soil and vegetation?

Yes No

Are the tyres free of attached seeds?

Yes No

Is machine free of fuel and oil leaks?

Yes No

Is the exhaust/muffler in good working order?

Yes No

If you have answered NO to any of these questions, please carry out the required cleaning and/or maintenance before the machine enters the site. This form must be signed by the machine Supervisor and Site Supervisor when all cleaning and/or maintenance have been completed.

	Print name	Signature	Date
Machine Supervisor	MARK HIGGINS		8/4/19
Site Supervisor	SCOTT WHITBREAD		8/4/19

Vehicle Wash down Procedure

- Contractor to remove vehicle from site and return after the vehicle has been washed down, including removal of soil and vegetation including seeds.
- Carry out final inspection with site personnel before moving into site.



AustSand Mining

Vehicle Inspection Form

Date: 8/4/19 Vehicle Type: D7 Registration No.:

Inspection Person (Print Name): SCOTT WHITBREAD

No	Check	Y	N	NA	Comments
1	Is registration current?			X	
2	Is a fire extinguisher fitted, charged and in date?	✓			
3	Is a first aid kit fitted with its contents in date?	✓			
4	Do all doors and locks work from the inside and out?	✓			
5	Is the vehicle fitted with an approved roll bar?	✓			
6	Is a UHF or VHF two way radio fitted?	✓			
7	Is a whip aerial and flag fitted?			X	
8	Are there spare wheel(s), a jack and a wheel brace?			X	
9	Are all tyres in good condition and correctly inflated?			X	
10	Are wheel nuts tightened?			X	
11	Are all mirrors in working condition and adjusted?	✓			
12	Is there a daily inspection book with the vehicle?	✓			
13	Are the engine oil and coolant levels correct?	✓			
14	Is the battery clean and secure?	✓			
15	Is the exhaust system secure and leak free?	✓			
16	Is an approved lockable isolator fitted?	✓			
17	Is the vehicle fluid leak free? (hydraulic, coolant, fuel, drive systems)	✓			
18	Are all safety guards, panels and covers secure?	✓			
19	Are all mounting steps, ladders and hand holds secure?	✓			
20	Do foot and park brakes work?	✓			
21	Are lights in working order (head, stop, indicator, hazard)	✓			
22	Are windscreen wipers and washers working?	✓			
23	Is the horn, rotating beacon and reverse alarm working?	✓			
24	Is the engine and cab clean and free of foreign material?	✓			

25	Has the machine been washed down? (attached weed and seed certificate)	✓			
Additional Comments					

Inspection Person confirms all details above are true and correct (Signature): 

PRE MOBILISATION INSPECTION CHECKLIST

ITEM 25: WEED AND SEED CERTIFICATE

It is important that earthmoving machinery is in an acceptable condition before it enters site working areas in relation to safety, weeds, hydrocarbons, emissions and noise.

This certificate must be completed in the presence of the machine Supervisor.

Date of arrival/inspection: 14-6-19
Name of machinery Supervisor: BARRY BRENNAN
Name of person conducting inspection: SCOTT WHITBREAD
What kind of machine is it? SCRAPER 633D
Where was the last site the machine worked: MINDIJOUP
Please list any problem weeds at the last site.

- Was the machine cleaned after it left the last site? Yes No
- Are buckets, tracks, blades etc free of soil and vegetation? Yes No
- Are the tyres free of attached seeds? Yes No
- Is machine free of fuel and oil leaks? Yes No
- Is the exhaust/muffler in good working order? Yes No

If you have answered NO to any of these questions, please carry out the required cleaning and/or maintenance before the machine enters the site. This form must be signed by the machine Supervisor and Site Supervisor when all cleaning and/or maintenance have been completed.

Print name
Machine Supervisor BARRY BRENNAN
Site Supervisor SCOTT WHITBREAD

Signature


Date 14-6-19
Date 14-6-19

Vehicle Wash down Procedure

- Contractor to remove vehicle from site and return after the vehicle has been washed down, including removal of soil and vegetation including seeds.
- Carry out final inspection with site personnel before moving into site.



AustSand Mining

Vehicle Inspection Form

Date: 14/6/19 Vehicle Type: 633D Registration No.: N/A

Inspection Person (Print Name): SCOTT WHITBREAD

No	Check	Y	N	NA	Comments
1	Is registration current?			✓	
2	Is a fire extinguisher fitted, charged and in date?	✓			
3	Is a first aid kit fitted with its contents in date?	✓			OPERATORS VEHICLE
4	Do all doors and locks work from the inside and out?	✓			
5	Is the vehicle fitted with an approved roll bar?	✓			
6	Is a UHF or VHF two way radio fitted?	✓			
7	Is a whip aerial and flag fitted?			✓	
8	Are there spare wheel(s), a jack and a wheel brace?			✓	
9	Are all tyres in good condition and correctly inflated?	✓			
10	Are wheel nuts tightened?	✓			
11	Are all mirrors in working condition and adjusted?	✓			
12	Is there a daily inspection book with the vehicle?	✓			
13	Are the engine oil and coolant levels correct?	✓			
14	Is the battery clean and secure?	✓			
15	Is the exhaust system secure and leak free?	✓			
16	Is an approved lockable isolator fitted?	✓			
17	Is the vehicle fluid leak free? (hydraulic, coolant, fuel, drive systems)	✓			
18	Are all safety guards, panels and covers secure?	✓			
19	Are all mounting steps, ladders and hand holds secure?	✓			
20	Do foot and park brakes work?	✓			
21	Are lights in working order (head, stop, indicator, hazard)	✓			
22	Are windscreen wipers and washers working?	✓			
23	Is the horn, rotating beacon and reverse alarm working?	✓			
24	Is the engine and cab clean and free of foreign material?	✓			

25	Has the machine been washed down? (attached weed and seed certificate)	✓			
Additional Comments					

Inspection Person confirms all details above are true and correct (Signature):.....

PRE MOBILISATION INSPECTION CHECKLIST

ITEM 25: WEED AND SEED CERTIFICATE

It is important that earthmoving machinery is in an acceptable condition before it enters site working areas in relation to safety, weeds, hydrocarbons, emissions and noise.

This certificate must be completed in the presence of the machine Supervisor.

Date of arrival/inspection:

16-5-19

Name of machinery Supervisor:

BARRY BRENNAN

Name of person conducting inspection:

SCOTT WHITBREAD

What kind of machine is it?

SCRAPER - 673

Where was the last site the machine worked

~~MINIJOY FARM~~ ROCKY CROSSING ROAD

Please list any problem weeds at the last site.

Nic -

Was the machine cleaned after it left the last site?

Yes No

Are buckets, tracks, blades etc free of soil and vegetation?

Yes No

Are the tyres free of attached seeds?

Yes No N/A

Is machine free of fuel and oil leaks?

Yes No

Is the exhaust/muffler in good working order?

Yes No

If you have answered NO to any of these questions, please carry out the required cleaning and/or maintenance before the machine enters the site. This form must be signed by the machine Supervisor and Site Supervisor when all cleaning and/or maintenance have been completed.

Print name

Machine Supervisor BARRY BRENNAN

Site Supervisor SCOTT WHITBREAD

Signature



16-5-19

Date

Date

16-5-19

Vehicle Wash down Procedure

- Contractor to remove vehicle from site and return after the vehicle has been washed down, including removal of soil and vegetation including seeds.
- Carry out final inspection with site personnel before moving into site.

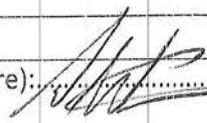


Vehicle Inspection Form

Date: 16/5/19 Vehicle Type: SCRAPER 633 Registration No.: N/A (FG) ID.
 Inspection Person (Print Name): SCOT WHITBREAD

No	Check	Y	N	NA	Comments
1	Is registration current?	✓			
2	Is a fire extinguisher fitted, charged and in date?	✓			
3	Is a first aid kit fitted with its contents in date?			✓	<i>IN OPERATIONAL VEHICLES</i>
4	Do all doors and locks work from the inside and out?	✓			
5	Is the vehicle fitted with an approved roll bar?	✓			
6	Is a UHF or VHF two way radio fitted?	✓			
7	Is a whip aerial and flag fitted?			✓	
8	Are there spare wheel(s), a jack and a wheel brace?			✓	
9	Are all tyres in good condition and correctly inflated?	✓			
10	Are wheel nuts tightened?	✓			
11	Are all mirrors in working condition and adjusted?	✓			
12	Is there a daily inspection book with the vehicle?	✓			
13	Are the engine oil and coolant levels correct?	✓			
14	Is the battery clean and secure?	✓			
15	Is the exhaust system secure and leak free?	✓			
16	Is an approved lockable isolator fitted?	✓			
17	Is the vehicle fluid leak free? (hydraulic, coolant, fuel, drive systems)	✓			
18	Are all safety guards, panels and covers secure?	✓			
19	Are all mounting steps, ladders and hand holds secure?	✓			
20	Do foot and park brakes work?	✓			
21	Are lights in working order (head, stop, indicator, hazard)	✓			
22	Are windscreen wipers and washers working?	✓			
23	Is the horn, rotating beacon and reverse alarm working?	✓			
24	Is the engine and cab clean and free of foreign material?	✓			

25	Has the machine been washed down? (attached weed and seed certificate)	✓					
Additional Comments							

Inspection Person confirms all details above are true and correct (Signature): 

Appendix D – RMCP Approval Letter



Mr Scott Whitbread
Site Manager, Mindijup Silica Sand Mine
Austsand Mining
PO Box 1373
ALBANY WA 6331

Dear Mr Whitbread

EPBC 2012/6472: Extension of existing Silica Sand Mine, Mindijup – revised Rehabilitation and Mine Closure Plan

I refer to the letter dated 16 September 2016, from GHD Pty Ltd to the Department, seeking on behalf of Austsand Mining approval of the revised Rehabilitation and Mine Closure Plan.

Officers of this Department have evaluated the revised Rehabilitation and Mine Closure Plan, with particular regard for the approval conditions for EPBC 2012/6472. On the Department's advice, and as a delegate of the Minister for the Environment and Energy, I have decided to approve the following plan in accordance with condition 10 of the approval:

- *Austsand Mining, Mindijup Silica Sand Mine, Rehabilitation and Mine Closure Plan 2016 Rev D*, dated 12 April 2017 and declared to be accurate by Ryuji Sakizaki of Austsand Mining.

In accordance with condition 5 of EPBC 2012/65472, the *Austsand Mining, Mindijup Silica Sand Mine, Rehabilitation and Mine Closure Plan 2016 Rev D*, dated 12 April 2017 must now be implemented in place of the Rehabilitation and Mine Closure Plan approved by a delegate of the Minister for the Environment on 17 March 2014. If Austsand Mining wishes to implement the approved action in a manner other than in accordance with the approved Rehabilitation and Mine Closure Plan, Austsand Mining must submit a revised Rehabilitation and Mine Closure Plan for approval.

The Department is continuously seeking opportunities to reduce regulatory burden, with a recent initiative being to only require approval of revised management plans where implementing the revised plan may result in a new or increased impact. Please see attached guidance on the "Revised Management Plan" condition and, if you might be interested, submit a request to the Department to vary the conditions of approval for EPBC 2012/6472.

Should you require further information on any of the above please contact Vaughn Cox on 02 6274 2005 or by post.approvals@environment.gov.au.

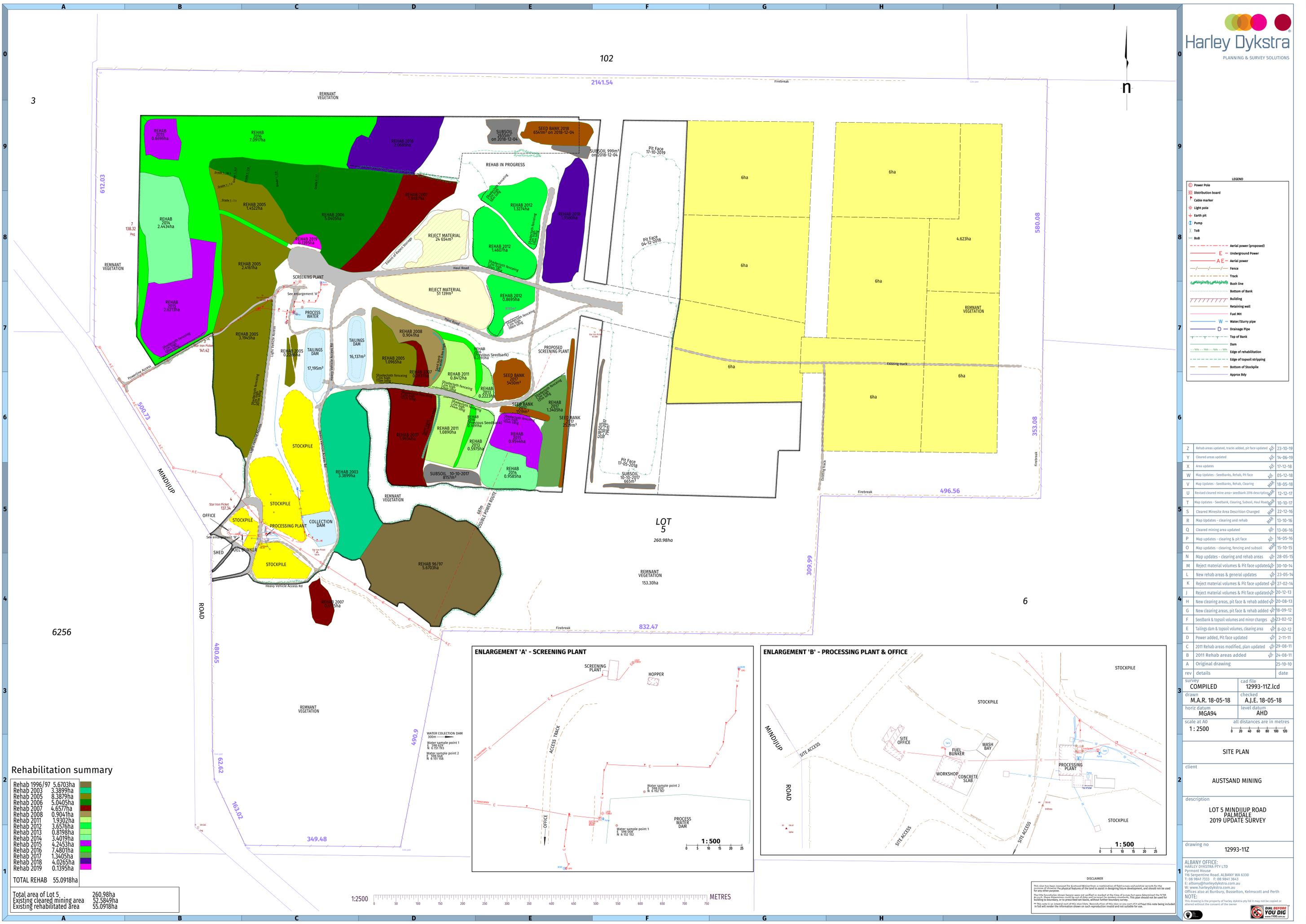
Yours sincerely

Monica Collins
Assistant Secretary
Compliance & Enforcement Branch
Environment Standards Division

10 May 2017

CC: Anna Napier, GHD Pty Ltd.
Enc. Guidance on new or increased impact

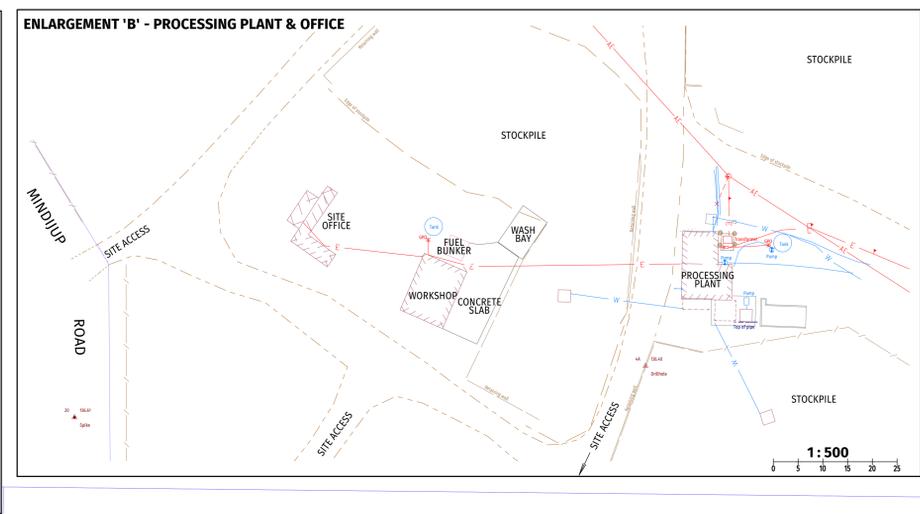
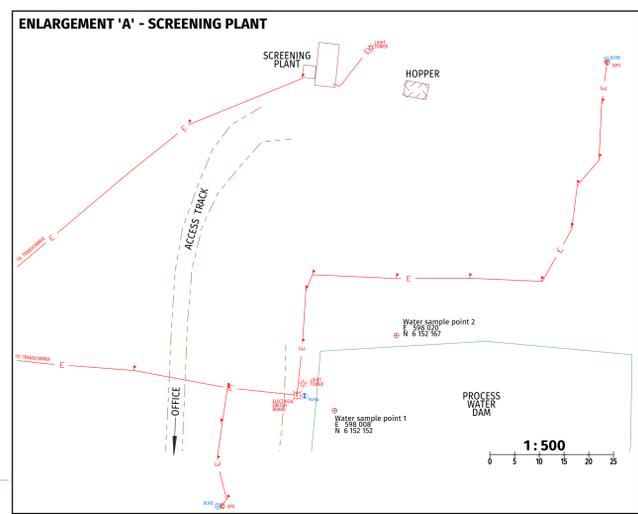
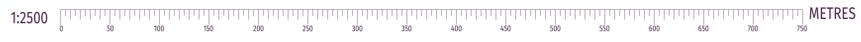
Appendix E – November 2019 Mine Plan



Rehabilitation summary

Rehab 1996/97	5.6703ha
Rehab 2003	3.3899ha
Rehab 2005	8.3879ha
Rehab 2006	5.0405ha
Rehab 2007	4.6577ha
Rehab 2008	0.9041ha
Rehab 2011	1.9302ha
Rehab 2012	3.6576ha
Rehab 2013	0.8198ha
Rehab 2014	3.4019ha
Rehab 2015	4.2453ha
Rehab 2016	7.4801ha
Rehab 2017	1.3405ha
Rehab 2018	4.0265ha
Rehab 2019	0.1395ha
TOTAL REHAB	55.0918ha

Total area of Lot 5: 260.98ha
 Existing cleared mining area: 52.5849ha
 Existing rehabilitated area: 55.0918ha



LEGEND

Power Pole	Power Pole
Distribution board	Distribution board
Cable marker	Cable marker
Light pole	Light pole
Earth pit	Earth pit
Pump	Pump
Top	Top
Bob	Bob
Aerial power (proposed)	Aerial power (proposed)
Underground Power	Underground Power
Aerial Power	Aerial Power
Fence	Fence
Track	Track
Bush line	Bush line
Bottom of Bank	Bottom of Bank
Building	Building
Retaining wall	Retaining wall
Fuel MH	Fuel MH
Water/Slurry pipe	Water/Slurry pipe
Drainage Pipe	Drainage Pipe
Top of Bank	Top of Bank
Dam	Dam
Edge of rehabilitation	Edge of rehabilitation
Edge of topsoil stripping	Edge of topsoil stripping
Bottom of Stockpile	Bottom of Stockpile
Approx Bdy	Approx Bdy

Z	Rehab areas updated, tracks added, pit face updated	23-10-19
Y	Cleared areas updated	14-06-19
X	Area updates	17-12-18
W	Map updates - Seedbanks, Rehab, Pit face	05-12-18
V	Map updates - Seedbanks, Rehab, Clearing	18-05-18
U	Revised cleared mine area - seedbank 2016 description	12-12-17
T	Map updates - Seedbank, Clearing, Subsoil, Haul Road	10-10-17
S	Cleared Mine Area Description Changed	22-12-16
R	Map updates - clearing and rehab	13-10-16
Q	Cleared mining area updated	13-06-16
P	Map updates - clearing & pit face	16-05-16
O	Map updates - clearing, fencing and subsoil	15-10-15
N	Map updates - clearing and rehab areas	28-05-15
M	Reject material volumes & Pit face updated	30-10-14
L	New rehab areas & general updates	23-05-14
K	Reject material volumes & Pit face updated	27-02-14
J	Reject material volumes & Pit face updated	20-12-13
H	New clearing areas, pit face & rehab added	20-08-13
G	New clearing areas, pit face & rehab added	18-09-12
F	Seedbank & topsoil volumes and minor changes	23-02-12
E	Tailings dam & topsoil volumes, clearing area	8-02-12
D	Power added, Pit face updated	2-11-11
C	2011 Rehab areas modified, plan updated	29-08-11
B	2011 Rehab areas added	14-08-11
A	Original drawing	25-10-10
rev	details	date

survey	12993-11Z.lcd
drawn	checked
M.A.R. 18-05-18	A.J.E. 18-05-18
horiz datum	level datum
MGA94	AHD
scale at A0	all distances are in metres
1:2500	0 20 40 60 80 100

SITE PLAN

client	AUSTSAND MINING
description	LOT 5 MINDIUP ROAD PALMDALE 2019 UPDATE SURVEY
drawing no	12993-11Z

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NOTE:
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GHD

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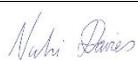
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https://projects.ghd.com/oc/WesternAustralia/environmentalsupport2/Delivery/Documents/6136478_REP_0-EPBC_Compliance_2019.docx

Document Status

Revision	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
A	P.Yoganathan	V. Davies		M. Toner		12/12/19
0	P.Yoganathan	V. Davies		M. Toner		17/12/19

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