

Meteor Downs South EPBC 2013/6799

Annual Compliance Report 20th January 2023 – 19th January 2024



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Declaration of accuracy

Declaration of accuracy

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed 

Full name (please print) ROONEY NORRIS

Position (please print) MANAGER ENVIRONMENT

Organisation (please print including ABN/ACN if applicable) SOSITE BLUE P/L
54 099442 556

Date 30/04/2024

Description of activities

EPBC 2013/6799

Meteor Downs South Coal Project, QLD

U&D Mining Industry (Australia) Pty Ltd ACN: 152 892 638

Meteor Downs South Mine is managed by Sojitz MDS Mining Pty Ltd on behalf of Joint Venture partners Sojitz Blue Pty Ltd and Endocoal Limited. MDS is an open-cut coal mine located approximately 100km south of Emerald and 25km northwest of Rolleston in Central Queensland. Coal mining operations commenced in 2018 and are expected to continue until 2028, depending on the annual rate of mining.

MDS was subject to an assessment and approval process under Commonwealth and Queensland legislation. Commonwealth approval for the MDS project, under sections 130(1) and 133 of the *Environmental Protection and Biodiversity Act 1999* (EPBC Act) was granted on 25 November 2014. The approval and any subsequent variations are available at:

[Public notices - referrals · Basic Portal \(environment.gov.au\)](#) – input referral number 6799.

EPBC Act approval was granted for controlling provision ‘Listed threatened species and communities (section 18 & 18A)’, ‘Listed migratory species (sections 20 & 20A)’ and ‘A water resource, in relation to coal seam gas development and large coal mining development (sections 24D & 24E)’ all of which are subject to conditions in Table 1. The expiration date of the approval is 31 October 2039.

Dates for the reporting period – 20th January 2023 to 19th January 2024

Date of the preparation of the report – 8th April 2024

Current activities undertaken during reporting period – Mining of Black Coal, rehabilitation of out of pit mine spoil.

Project location

The Meteor Downs Mine is located approximately one hundred kilometres south of Emerald and twenty-five kilometres north of Rolleston in Central Queensland and is adjacent to the Rolleston Coal Mine owned by Glencore (Figure 1).

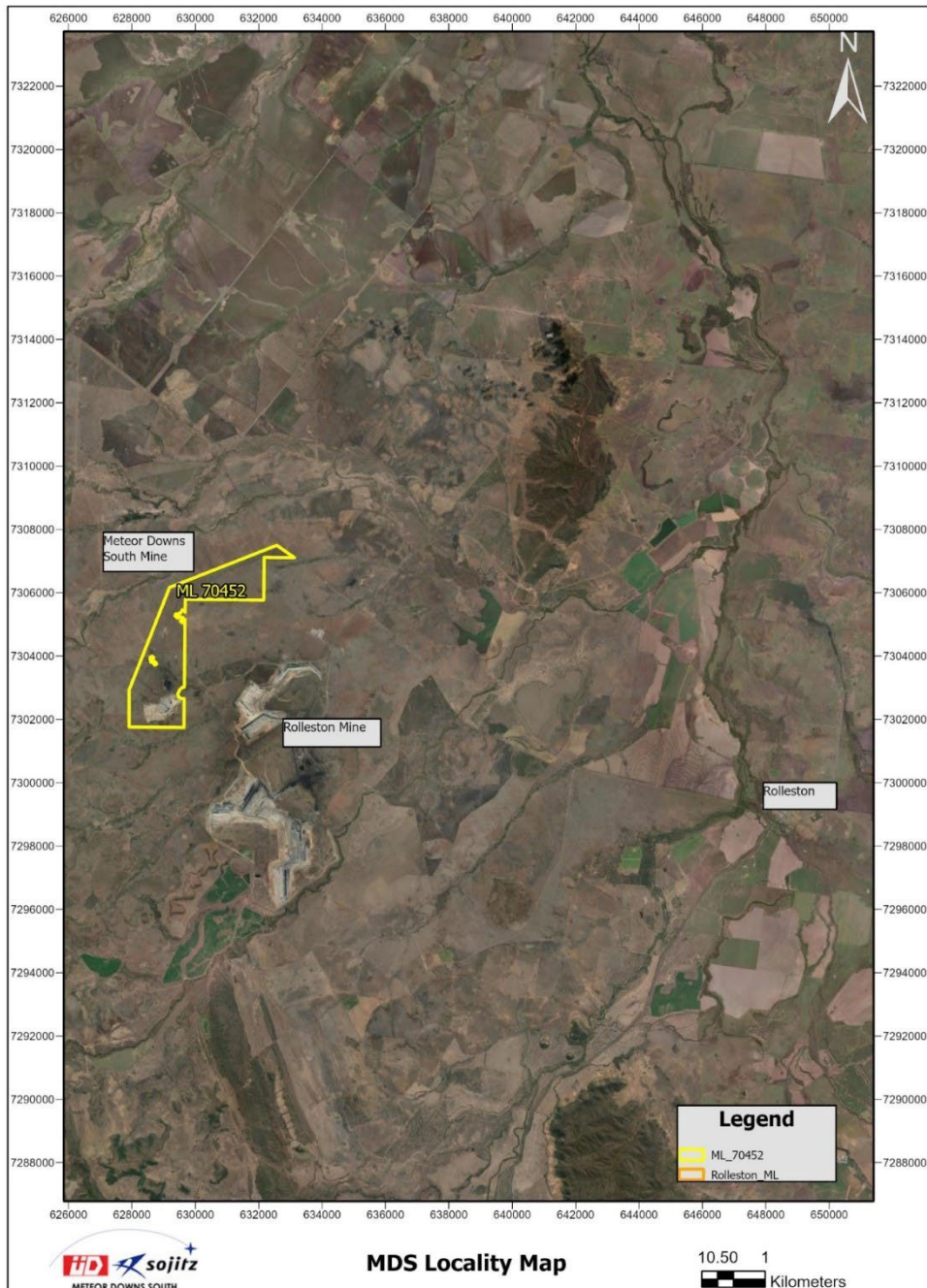


Figure 1 Location map

Conditions compliance table

Table 1 Approval conditions, compliance nomination and evidence

Condition number/reference	Condition	Is the project compliant with this condition?	Evidence/comments
1	The approval holder must not, as a result of exploration, construction, operation or decommissioning of the mine and associated infrastructure within the project area, impact on habitat of EPBC Act listed species or EPBC Act listed communities specified in Table 1 for the duration of the project approval above the maximum disturbance limits specified in Table 1 (i.e. these are 'whole project' disturbance limits)	Compliant	Disturbance impacts reconciled. Table 2 details current disturbance, Table 2 reports actual disturbance against approval limits.
2	At least three (3) months prior to commencement of the action, the approval holder must submit to the Minister for approval a <i>Matters of National Environmental Significance Management Plan</i> (MNESMP) for the management of direct and indirect impacts of the action on Matters of National Environmental Significance (MNES), being for the purposes of this approval, the EPBC Act listed species and EPBC Act listed communities listed in Table 1. The MNESMP must be prepared by, in consultation with, or reviewed by a suitably qualified ecologist	Compliant	MNESMP was submitted for Ministerial approval. The MNESMP was revised and submitted for reapproval. Approval was granted 1 st July 2019.
3a	The MNESMP must be consistent with relevant recovery plans, threat abatement plans and conservation advice and must include:	Compliant	MNESMP has been approved by the Ministers delegate
	a) A description of environmental values for each of the MNES addressed in the plan		
	b) Details of potential impacts from the action, including area of impact, on each of the MNES	Compliant	MNESMP has been approved by the Ministers delegate
	c) Measures that will be undertaken to mitigate and manage impacts on relevant MNES resulting from the action. These measures must include but may not be limited to	Compliant	MNESMP has been approved by the Ministers delegate
	i. Measures to avoid, minimise, and mitigate impacts on MNES and their habitat located in the project area, including, but not limited to, road design and road operation procedures;		

	<ul style="list-style-type: none"> ii. Measures to control and reduce the overall occurrence and abundance of animal, pest and weed species which could impact the MNES retained in the project area; iii. Measures to minimise and mitigate any impacts of the action on MNES and their habitat as a result of changes in hydrology of surface water resources, including Naroo Dam; iv. Measures to ensure no net loss of habitat for the Australian Painted Snipe as a result of impacts to Naroo Dam catchment or water quality; and v. Measures to rehabilitate areas of habitat impacted by the action 		
	d) Goals for habitat management for each MNES	Compliant	MNESMP has been approved by the Ministers delegate
	e) A program, including monitoring locations, parameters, and timing, for monitoring the outcomes of mitigation and management measures to minimise direct impacts to MNES and their habitat; a schedule of regular reporting to the Department details and outcomes of the monitoring program, including the actual impacts of the project on MNES and their habitat	Compliant	MNESMP has been approved by the Ministers delegate
	f) Corrective and contingency measures in the event monitoring reveals impacts on MNES are not in accordance with predictions in the MNESMP	Compliant	MNESMP has been approved by the Ministers delegate
	g) Details of the timeframe for a regular (at least every three years) review and subsequent updates, of the MNESMP	Compliant	MNESMP has been approved by the Ministers delegate
	h) Details of qualifications and experience of persons responsible for undertaking monitoring, review, and implementation of the MNESMP, including those of a suitably qualified ecologist	Compliant	MNESMP has been approved by the Ministers delegate

4	<p>The approval holder must not commence the action until the MNESMP has approved the MNESMP in writing. The approved MNESMP must be implemented</p> <p>Note 1: <i>The approval holder may prepare and align the MNESMP with the requirements of the Queensland Government, provided the relevant matters under the conditions of this approval are clearly and adequately addressed</i></p>	Compliant	
5	<p>At least three (3) months prior to commencement of the action, the approval holder must submit an Offset Management Plan (OMP) to the minister for approval. The OMP must be prepared by, in consultation with, or be reviewed by a suitably qualified ecologist</p>	Compliant	The OMP was approved by a delegate for the Minister on the 23 rd October 2017
6	<p>The OMP must include:</p> <ul style="list-style-type: none"> a) A detailed offset strategy, consistent with the EPBC Act Environmental Offsets Policy, to compensate for impacts to the following EPBC Act listed species and EPBC Act listed communities <ul style="list-style-type: none"> i. Natural grasslands of the Queensland Central Highlands and Northern Fitzroy Basin; ii. King Blue-grass (<i>Dichanthium queenslandicum</i>); iii. Bluegrass (<i>Dichanthium setosum</i>); and iv. Squatter Pigeon (Southern) (<i>Geophaps scripta scripta</i>) 	Compliant	OMP has been approved by the Ministers delegate
6	<ul style="list-style-type: none"> b) Details of the offset attributes (including maps in electronic Geographic Information System (GIS) format with accompanying shapefiles), site descriptions and environmental values relevant to EPBC Act listed species and EPBC Act listed communities specified at condition 6a). 	Compliant	OMP has been approved by the Ministers delegate
6	<ul style="list-style-type: none"> c) Detailed surveys and descriptions of any proposed offset sites including: <ul style="list-style-type: none"> i. a baseline description (prior to any management activities) of the current condition of the extant vegetation of each offset area, including the location of survey points (GPS reference) ii. the area (in hectares) of habitat for EPBC Act listed species and EPBC Act listed communities, provided by the offset area 	Compliant	OMP has been approved by the Ministers delegate

	<ul style="list-style-type: none"> iii. the condition class of habitat for EPBC Act listed species and EPBC Act listed communities found within the offset area iv. vegetation condition mapping v. photo reference points vi. tree age class representation 		
6	<p>d) Details of measures to be undertaken to maintain and improve habitat within any proposed offset areas, including but not limited to:</p> <ul style="list-style-type: none"> i. a map showing areas to be managed ii. management actions for each area and details of methods to be used iii. timing of management activities for each area iv. performance criteria for each area v. a monitoring plan to assess the success of the management activities measured against the baseline condition. This must include, but not be limited to, control sites and periodic ecological surveys to be undertaken by a suitably qualified ecologist vi. a risk assessment and a description of the contingency measures that would be implemented to mitigate any risks vii. where revegetation is proposed as part of the OMP, measures to be taken to ensure revegetation is of a similar composition to the local variant of the EPBC Act listed community found in or adjacent to the nominated offset area or, if the EPBC Act listed community is not applicable, measures to be taken to ensure revegetation is of a similar composition to the local variant of the Regional Ecosystem viii. the use of local provenance plants for rehabilitation ix. the process to ensure management actions are undertaken in consultation with the Queensland Department of Environment and Heritage Protection 	Compliant	OMP has been approved by the Ministers delegate
6	<p>e) How the offset areas provide connectivity with other habitats and biodiversity corridors</p>	Compliant	OMP has been approved by the Ministers delegate

6	f) Details of qualifications and experience of persons responsible for undertaking monitoring, review, and implementation of the OMP, including the role of the suitably qualified ecologist in preparing, reviewing, and implementation of the OMP	Compliant	OMP has been approved by the Ministers delegate
7	The approval holder must not commence the action until the minister has approved the OMP in writing. The approved OMP must be implemented	Compliant	The OMP was approved in writing by a delegate for the Minister on the 23 rd October 2017
8	The approval holder must register and legally secure, in accordance with Queensland legislation, offsets for authorised unavoidable impacts (defined in Table 1 for MNES identified at condition 6a)) within two (2) years of the commencement of the action Note 2: <i>The approval holder may prepare and align the OMP with the requirements of the Queensland Government, provided the relevant matters under the conditions of this approval are clearly and adequately addressed. An offset area may satisfy offset requirements for more than one of the MNES identified at condition 6a).</i>	Compliant	Offset have been secured by means of a Voluntary Declaration under the Vegetation Management Act (QLD) 1999.
9	Prior to the commencement of mining activities, the approval holder must submit to the minister for approval a Groundwater Monitoring and Management Plan (GMMP) for the management of direct and indirect impacts of the action on groundwater	Compliant	The GMMP was submitted for ministerial approval. Approval was approved on the 25 th October 2017 by a delegate of the minister.
10	The GMMP must include: a) Monitoring of groundwater levels and surface water-groundwater interactions at locations and frequencies described in the environmental authority issued for the action under the <i>Environmental Protection Act 1994</i> (Qld). Monitoring must provide for the early detection of any changes to groundwater levels, groundwater quality and surface water-groundwater interactions and associated alluvial aquifers and underlying aquifers, as mining progresses	Compliant	GMMP approved by delegate for the minister 25 th October 2017. Monitoring required under the GMMP was completed
10	b) Risk-based threshold responses and the timeframes in which those actions will be undertaken if triggers and limits are exceeded or likely to be exceeded for: i. groundwater drawdown and groundwater quality; and ii. groundwater dependent ecosystems and species	Compliant	GMMP approved by delegate for the minister 25 th October 2017

10	c) Commitments, including timeframes, to periodically review, update, and implement the groundwater model and the GMMP throughout the life of the mine. The first review must be completed within six months of a two-year groundwater monitoring data set becoming available. The groundwater model must be prepared in accordance with the latest version of the Australian Groundwater Modelling Guidelines	Compliant	GMMP approved by delegate for the minister 25 th October 2017. Groundwater model was updated in 2022
10	d) Discussion of which outcomes of the updated groundwater model will be used to update the GMMP	Compliant	GMMP approved by delegate for the minister 25 th October 2017
10	e) Provisions to make water monitoring results publicly available on approval holder's website. The results must include: <ul style="list-style-type: none"> i. The methods used to collect data; ii. The assumptions and uncertainties that were incorporated into the groundwater model; and iii. A discussion of the results and how groundwater is being impacted locally and regionally 	Compliant	GMMP approved by delegate for the minister 25 th October 2017. Groundwater monitoring results reported in this compliance report – published to the corporate website. Annual groundwater monitoring results – Appendix A
10	f) Provisions whereby the approval holder must: <ul style="list-style-type: none"> i. Report exceedances of groundwater drawdown and quality triggers and limits to the Department within 10 business days of the monitored exceedance; ii. Provide written advice to the Department, within 3 months of the occurrence of the monitored exceedance, stating the direct cause of, and the actions taken in response to the exceedance 	Non-compliant	GMMP approved by delegate for the minister 25 th October 2017. Notification was made and investigation report included regarding trigger exceedances detected. This notification was late and the department was advised as such. No further correspondence received to date
11	The GMMP must be reviewed by a suitably qualified expert prior to the GMMP being submitted to the minister for approval. The approval holder must: <ul style="list-style-type: none"> a) Make appropriate revisions to the GMMP in light of the peer review 	Compliant	GMMP approved by delegate for the minister 25 th October 2017

11	b) Submit evidence that the suitably qualified expert is satisfied that any revisions have adequately addressed comments provided by the suitably qualified expert as part of the peer review	Compliant	GMMP approved by delegate for the minister 25 th October 2017
11	c) Submit the peer review to the minister at the same time the GMMP is submitted to the minister for approval	Compliant	GMMP approved by delegate for the minister 25 th October 2017
12	The approval holder must not commence mining activities until the GMMP has been approved by the minister in writing. The approved GMMP must be implemented. Note 3: <i>The approval holder may prepare and align the GMMP with the requirements of the Queensland Government, provided the relevant matters under the conditions of this approval are clearly and adequately addressed</i>	Compliant	GMMP approved by delegate for the minister 25 th October 2017
13	Within twenty (20) business days after the commencement of the action, the approval holder must advise the Department in writing of the actual date of commencement.	Compliant	Notification of the commencement of the action was made and acknowledgement from the Department was received in writing.
14	The approval holder must notify the Department in writing of any contravention with any condition of this approval as soon as practical and within no more than two (2) business days of becoming aware of the contravention. The notification provided to the Department under this condition must specify: <ul style="list-style-type: none"> a) The condition which the approval holder has contravened; b) The nature of the contravention; c) When and how the approval holder became aware of the contravention; d) How the contravention will affect the anticipated impacts of the approved action, in particular how the contravention will affect the impacts on MNES; e) The measures the approval holder will take to address the impacts of the non-compliance on MNES and rectify the contravention; and 	Compliant	Notification was made to the department on the 6 th of March detailing noncompliance with conditions of this approval. Acknowledgement of receipt of this notification was received.

	f) The time by when the approval holder will rectify the contravention		
15	The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement action management plans 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 the audit may also be publicised through the general media.	Compliant	All appropriate records substantiating activities associated with or relevant to the conditions of approval are maintained.
16	Within 3 months of every 12-month anniversary of the commencement of the action, the approval holder must publish a report on its website addressing compliance with each of the conditions of this approval, including implementation of any plans or strategies as specified in the conditions. Documentary evidence providing proof of the date of publication must be included in the published compliance report. Any non-compliance with any of the conditions of this approval must be included in the published compliance report. Each compliance report must remain on the website for the duration of the project approval.	Compliant	This report is prepared to meet this condition and is/will be published to the corporate website
17	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 audit must not commence unless and until the minister has approved the independent auditor and audit criteria. The audit report must address the criteria to the satisfaction of the minister.	Compliant	No independent audit has been directed by the minister for the reporting period.
18	Unless otherwise agreed by the minister, conditions 19-19D apply to the following action management plans: <ul style="list-style-type: none"> a) Matters of National Environmental Significance Management Plan approved by the minister under condition 2; b) Offset Management Plan approved by the minister under condition 5; and c) Groundwater Monitoring and Management Plan approved by the minister under condition 9S 	Compliant	Acknowledged

19	The approval holder may choose to revise and action management plan required to be implemented under condition 2, 5, and 9 without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised action management plan would not be likely to have a new or increased impact.	Compliant	No revision to an action management plan has been made during the period of this report.
19A	<p>a) If the approval holder makes the choice under condition 19 to revise an action management plan without submitting it for approval, they must:</p> <ul style="list-style-type: none"> i. Notify the department in writing that the approved action management plan has been revised and provide the Department with: ii. An electronic copy of the revised action management plan (RAMP); iii. An electronic copy of the RAMP marked up with track changes to show the differences between the approved action management plan and the RAMP; iv. An explanation of the differences between the approved action management plan and the RAMP v. The reasons the approval holder considers that taking the action in accordance with the RAMP would not be likely to have a new or increased impact; and vi. Written notice of the date on which the approval holder will implement the RAMP, being at least 28 days after the date of providing notice of the revision of the plan (RAMP implementation date), or a date agreed to in writing with the department <p>b) Implement the RAMP from the RAMP implementation date</p> <p>c) Publish the RAMP on its website in accordance with condition 21.</p>	Compliant	No revision to an action management plan has been made during the period of this report.
19B	b) The approval holder may revoke its choice under condition 19 at any time by giving written notice to the Department. If the approval holder revokes the choice to implement a RAMP without seeking approval under section 143A of the EPBC Act, the approval holder must implement the action management plan approved by the minister.	Compliant	No revision to an action management plan has been made during the period of this report.
19C	<p>If the minister gives a notice to the approval holder that the minister is satisfied that the taking of the action in accordance with the RAMP would be likely to have a new or increased impact, then:</p> <ul style="list-style-type: none"> a) Condition 19 does not apply, or ceases to apply, in relation to the RAMP; and 	Compliant	No revision to an action management plan has been made during the period of this report. No notice given by the minister.

	<p>b) The approval holder must implement the approved action management plan, as designated by the minister</p> <p>To avoid any doubt, this condition 19C does not affect any operation of conditions 18, 19, 19A, 19B and in the period before the day the minister gives the notice</p>		
19D	<p>At the time of giving the notice under the condition 19C the minister may also notify that for a specified period of time, condition 19 does not apply for one or more specified action management plans listed in condition 18.</p> <p>Note: conditions 18, 19, 19A, 19B, 19C, and 19D are not intended to limit the operation of section 143A of the EPBC Act which allows the approval holder to submit a revised action management plan to the minister for approval.</p>	Compliant	No revision to an action management plan has been made during the period of this report.
20	<p>If, at any time after five (5) years from the date of this approval, the approval holder has not substantially commenced the action, then the approval holder must not substantially commence the action without the written agreement of the minister.</p>	Compliant	Action was commenced within 5 years of the date of approval. Written notification was made, and acknowledgement received
21	<p>The approval holder must publish all action management plans on its website within 14 days of the earlier of the following (to extend applicable) until the end date:</p> <ul style="list-style-type: none"> a) The date of the approval; or b) The date the action management plan is submitted to the minister; or c) The date the action management plan is approved by the minister; or d) The proposed implementation date of any revised action management plan. 	Compliant	Action management plans are published to the corporate website

Disturbance reconciliation

Table 2 details the reconciliation of actual disturbance against the approved disturbance limits as of the 30th of December 2023. The disturbance footprint is shown in Figure 2.

Table 2 Approved disturbance limits and actual disturbance to end of reporting period.

Threatened Species	Maximum Disturbance Limits (hectares)	Current Total Disturbance - As of end of reporting period (hectares)
Squatter Pigeon <i>Geophaps scripta scripta</i>	240.54	138.6
King Blue-grass <i>Dicanthium queenslandicum</i>	426.53	112.6
Bluegrass <i>Dicanthium setosum</i>	426.53	112.6
Australian Painted Snipe <i>Rostratula australis</i>	6.6	0.03
Threatened ecological communities		
Natural Grasslands of the Queensland Central Highlands and the northern Fitzroy Basin	186	112.6
Brigalow (acacia harpophylla dominant and co-dominant)	2.21	0

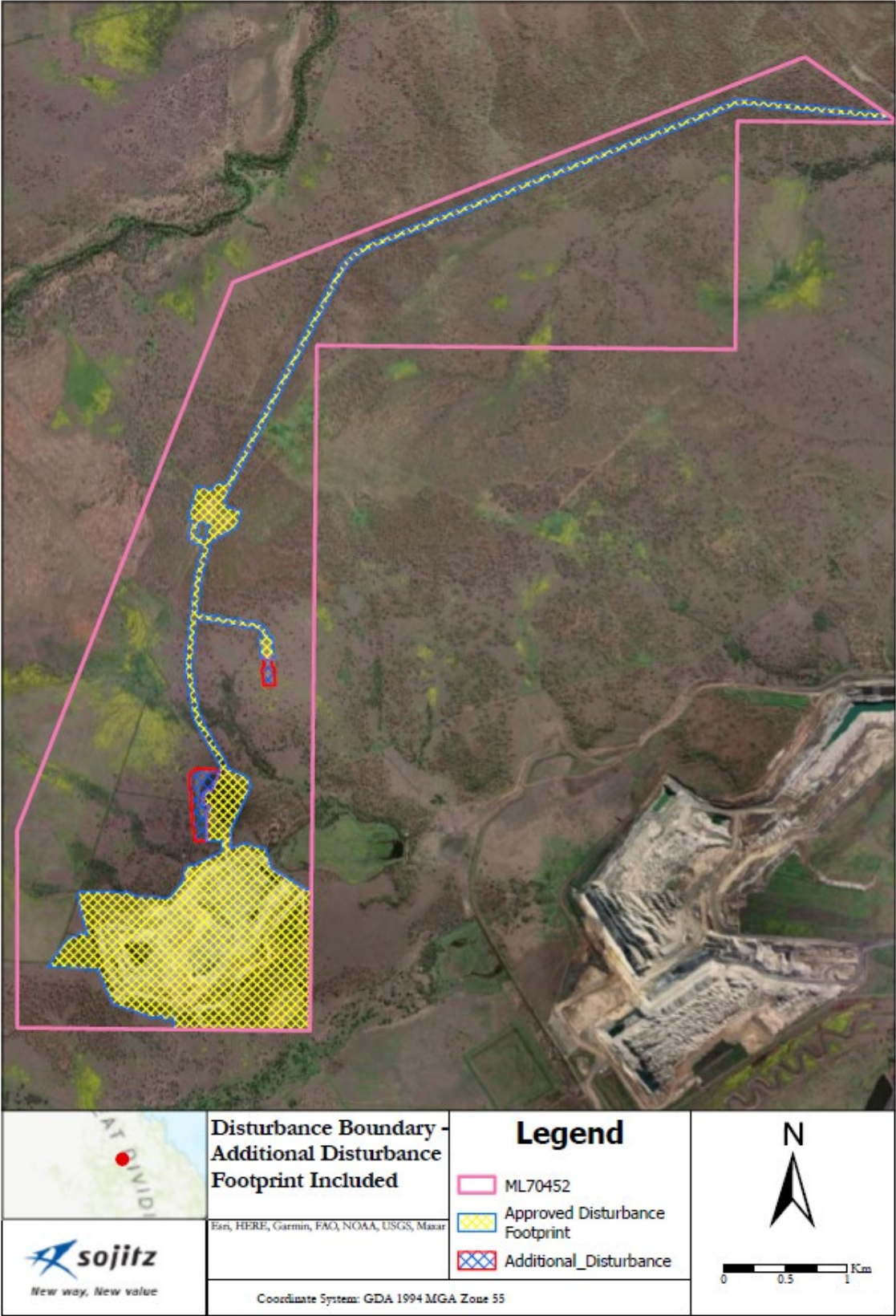


Figure 2 MDS Disturbance footprint.

Correcting non-compliances

Non-compliances that have been identified for the reporting period include the following;

- Failure to report exceedances of groundwater trigger values and subsequent failure to provide written advice to the department stating the direct cause of, and the actions taken in response to the exceedance. Condition 10 f (i) & (ii).

The non-compliance was detected during a review of the conditions of the EPBC approval undertaken by a new employee.

The Manager Environment, Rehabilitation & Community is responsible for correcting the non-compliance. The actions to address this correction have been completed. A compliance management system has been built which includes tasks meeting each approval condition. Each task has a team member assigned to complete. Automated notifications are emailed to the responsible person alerting them to their upcoming actions.

Notification of this non-compliance was made to the department on the 6th of March 2024. All exceedances detected during the reporting period were included in this notification and an investigation report was provided that detailed the likely direct cause and actions taken in response to these exceedances.

New environmental risks

No new environmental risks have been identified in the reporting period.

Appendix A

Annual Groundwater Data

Sample Point	Date	pH	TDS (mg/L)	Ca (mg/L)	SO4 (mg/L)	Al (µg/L)	As (µg/L)	B (µg/L)	Cd (µg/L)	Cr (µg/L)	Co (µg/L)	Cu (µg/L)	F (mg/L)	Pb (µg/L)	Hg (µg/L)	Mo (µg/L)	Ni (µg/L)	Se (µg/L)	Zn (µg/L)
MW1S	26.03.2023	No access																	
	16.06.2023	8.12	800	95	19	<10	<1	<50	<0.1	<1	<1	3	0.1	<1	<0.1	1	2	<10	14
	20.09.2023	8.10	747	81	13	<10	<1	<50	<0.1	<1	<1	<1	0.2	<1	<0.1	<1	5	<10	12
	06.12.2024	7.45	1540	106	26	<10	<1	<50	<0.1	<1	<1	2	0.1	<1	<0.1	2	2	<10	8
MW2S	26.03.2023	8.35	557	15	78	<10	<1	100	<0.1	<1	<1	<1	0.2	<1	<0.1	9	<1	<10	<5
	15.06.2023	8.20	582	14	66	10	<1	120	<0.1	<1	<1	<1	0.1	<1	<0.1	6	2	<10	10
	20.09.2023	8.48	594	15	47	<10	1	90	<0.1	<1	<1	<1	0.1	<1	<0.1	5	7	<10	<5
	06.12.2023	8.31	545	15	67	<10	1	10	<0.1	<1	<1	<1	0.1	<1	<0.1	4	<1	<10	<5
MW3S	26.03.2023	8.17	628	59	40	<10	<1	<50	<0.1	<1	<1	<1	0.2	<1	<0.1	<1	1	<10	<5
	15.06.2023	8.21	640	55	38	<10	<1	<50	<0.1	<1	<1	3	0.2	<1	<0.1	<1	2	<10	15
	20.09.2023	8.31	612	56	37	<10	<1	<50	<0.1	<1	<1	<1	0.2	<1	<0.1	1	3	<10	14
	07.12.2023	8.08	576	60	41	<10	<1	<50	<0.1	<1	<1	<1	0.1	<1	<0.1	<1	2	<10	<5
MW4	26.03.2023	8.26	532	32	12	<10	<1	<50	<0.1	<1	<1	<1	0.1	<1	<0.1	2	<1	<10	<5
	15.06.2023	7.93	645	56	37	20	<1	<50	<0.1	<1	<1	4	0.2	<1	<0.1	2	3	<10	27
	20.09.2023	8.37	507	30	14	<10	<1	<50	<0.1	<1	<1	<1	0.1	<1	<0.1	2	1	<10	6
	07.12.2023	8.11	502	32	15	<10	<1	<50	<0.1	<1	<1	<1	0.1	<1	<0.1	1	<1	<10	<5
MW7S	25.03.2023	DRY																	
	15.06.2023	DRY																	
	21.09.2023	DRY																	
	07.12.2023	DRY																	
MW14S	25.03.2023	No Access																	
	15.06.2023	8.14	748	47	40	20	<1	140	<0.1	<1	<1	2	100	1	<0.1	2	4	<10	18
	20.09.2023	8.29	741	37	40	<10	<1	240	<0.1	<1	<1	<1	<0.1	1	<0.1	2	<1	<10	7
	06.12.2023	8.03	721	40	39	<10	<1	270	<0.1	<1	<1	5	<0.1	<1	<0.1	<1	<1	<10	11
MW15S	25.03.2023	7.78	2280	229	75	<10	<1	<50	<0.1	<1	<1	<1	0.1	<1	<0.1	<1	<1	<10	<5
	16.06.2023	7.71	2070	217	73	<10	<1	50	<0.1	<1	<1	1	0.1	<1	<0.1	1	4	<10	25
	11.09.2023	7.94	2300	224	72	<10	<1	<50	<0.1	2	<1	<1	0.1	<1	<0.1	<1	2	<10	<5
	06.12.2023	7.64	2140	207	72	<10	<1	<50	<0.1	<1	<1	<1	0.1	<1	<0.1	<1	<1	<10	<5
Sample Point	Date	pH	TDS (mg/L)	Ca (mg/L)	SO4 (mg/L)	Al (µg/L)	As (µg/L)	B (µg/L)	Cd (µg/L)	Cr (µg/L)	Co (µg/L)	Cu (µg/L)	F (mg/L)	Pb (µg/L)	Hg (µg/L)	Mo (µg/L)	Ni (µg/L)	Se (µg/L)	Zn (µg/L)
MW16S	25.03.2023	DRY																	
	16.06.2023	DRY																	
	21.09.2023	DRY																	
	07.12.2023	DRY																	
MW17S+	26.03.2023	8.18	642	69	41	<10	<1	<50	<0.1	<1	1	<1	0.2	<1	<0.1	7	7	<10	<5
	16.06.2023	7.93	832	42	10	<10	<1	60	<0.1	<1	<1	1	0.2	<1	<0.1	2	2	<10	15
	20.09.2023	8.22	620	58	39	<10	<1	<50	<0.1	<1	2	<1	0.1	<1	<0.1	8	17	<10	<5
	06.12.2023	8.01	609	67	39	<10	<1	<50	<0.1	<1	2	<1	0.1	<1	<0.1	6	21	<10	<5
MW18S+	26.03.2023	8.20	806	40	8	<10	1	50	<0.1	<1	<1	<1	0.1	<1	<0.1	1	<1	<10	<5
	16.06.2023	7.96	826	49	6	10	<1	50	<0.1	<1	<1	3	0.2	<1	<0.1	2	2	<10	19
	21.09.2023	8.19	796	39	7	<10	1	<50	<0.1	<1	<1	<1	0.1	<1	<0.1	2	1	<10	<5
	06.12.2023	8.00	816	43	7	<10	2	70	<0.1	<1	<1	<1	0.2	<1	<0.1	2	4	<10	<5

