



ILUKA



**Annual Rehabilitation Report 2022
(1 January 2022 to 31 December 2022)**



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Part 1 – Annual rehabilitation report

1.1 Complaints register

Nil complaints received during the 2022 reporting period. A copy of the complaints register is provided on the Iluka Resources website at the following link.

<https://iluka.com/operations-resource-development/engagement-hub/balranald>

1.2 Stakeholder consultation

Table 1 Stakeholder consultation

Relevant Stakeholder	Consultation activities and forms of consultation	Matters subject to consultation	Actions taken by the leaseholder in response to issues in relation to rehabilitation
Resources Regulator	Site visit by Senior Inspector Steve Clipperton	<ol style="list-style-type: none"> 1. Bathurst Burr (<i>Xanthium spinosum</i>) weed infestations identified around soils stockpiles and drainage lines. 2. Drill cuttings placed in drainage structure. 3. Small amount of subsoil deposited on top of topsoil stockpile. 4. Old silt fence around soil stockpiles fallen over 	<ol style="list-style-type: none"> 1. Bathurst Burr mechanically removed and disposed of at Balranald landfill. 2. Drill cuttings relocated for future disposal. 3. Subsoil will be separated from topsoil prior to replacement. 4. Old silt fence still in situ scheduled for removal during site clean-up works prior to commencement of MOD1 mining activities.

1.3 Current development consents, leases and licences

Table 2 Current consents, leases and licences

Type	Identification	Details
Development Consent	SSD-5285	Granted: April 2016 Duration: 16 years
Development Consent MOD1	SSD-5285 (MOD1)	Granted; 21 December 2022 Duration: 16 years
Mining Lease	ML1736	Granted: May 2016 Duration: 21 years
Environment Protection Licence	EPL20795	Granted: June 2016 Renewed annually
Water Access Licence(s)	WAL31101 WAL31102	Total allocation volume –2000 ML



Type	Identification	Details
	WAL44602	

1.4 Land ownership and land use

There is no change to land ownership or land use during the reporting period. Iluka is currently in the process of acquiring Karra Station, which is expected to be finalised during the next reporting period.

1.5 Surface disturbance and rehabilitation activities during the annual reporting period

1.5.1 Surface disturbance and rehabilitation

No surface disturbance or rehabilitation activities took place during the reporting period as the mine was in care & maintenance whilst a pending Modification (MOD1) was pending. Development Consent SSD-5285 (MOD1) was granted 21 December 2022.

1.5.2 Rehabilitation planning activities

As part of the MOD1 assessment, an Aboriginal Cultural Heritage Assessment (ACHA) was undertaken in accordance with Heritage NSW guidelines (EMM 2022a). This included consultation with the Aboriginal community, desktop review of the regional archaeological record, and on-site investigations (field survey and test excavations) to identify and assess the cultural heritage within the MOD1 additional disturbance area.

Previously identified cultural heritage material within the existing proposed underground mining area (MOD1) was collected, recorded and placed in a secure keeping place in consultation with the project Registered Aboriginal Parties.

1.5.3 Subsidence repair and/or remediation

Subsidence zones from previous underground mining trials have remained secure during the care and maintenance period with a security fence and locked gate preventing unauthorised or inadvertent access. Subsidence monitoring was undertaken in May 2022 with results showing little to no measurable movement since the previous survey conducted in November 2021.

1.5.4 Rehabilitation management and maintenance activities

Bathurst Burr (*Xanthium spinosum*) infestations located around soil stockpiles and drainage lines were mechanically removed in May 2022. The weeds were dug out and bagged up to contain seeds, the weeds were disposed of at the Balranald landfill at a sub-surface location.

1.5.5 Rehabilitation actions taken as required by any government agencies

The Resources Regulator conducted a site inspection on 11 May 2022 and the following issues were addressed during the reporting period as identified during the site inspection.

1. Move small amount of drill cuttings from drainage basin into lined slimes dam for future disposal
2. Control Bathurst Burr (*Xanthium spinosum*) weed infestations

1.5.6 Areas that have achieved the final land use during the reporting period

No areas have achieved the final land use in the reporting period.

1.5.7 Key production milestones

The site remained in care & maintenance during the reporting period.

Table 3 Key production milestones

Material	Unit	Year 1	This report
Stripped topsoil	m ³	0	0
Overburden	m ³	0	0
Ore	Mt	0	0
Reject material	Mt	0	0
Product	Mt	0	0

1.6 Plan 1 – Status of mining and rehabilitation at completion of annual reporting period

1.6.1 Submission of Plan 1 spatial data to mine rehabilitation portal

Mine Rehabilitation Portal Data Themes
Rehabilitation (No data submitted)
Disturbance
Project approval boundary
Current landform contours

1.7 Disturbance and rehabilitation statistics

1.7.1 Current disturbance and rehabilitation progression

Due to care and maintenance period no works have been undertaken.

Table 4 Status of disturbance and rehabilitation at the end of the reporting period.

Current Disturbance & Rehabilitation	Year 1	This report
TOTAL DISTURBANCE FOOTPRINT – SURFACE DISTURBANCE	0	30.48
TOTAL ACTIVE DISTURBANCE (ha)	0	0
REHABILITATION – LAND PREPARATION (ha)	0	0

Current Disturbance & Rehabilitation	Year 1	This report
ECOSYSTEM AND LAND USE ESTABLISHMENT (ha)	0	0
ECOSYSTEM AND LAND USE DEVELOPMENT (ha)	0	0
REHABILITATION COMPLETION (ha)	0	0

1.7.2 Rehabilitation key performance indicators (KPIs)

Due to care and maintenance period no works have been undertaken.

Table 5 Rehabilitation key performance indicators (KPI's) at end of annual reporting period.

New Disturbance & Rehabilitation	Year 1	This report
NEW ACTIVE DISTURBANCE AREA (ha)	0	0
AREA OF LAND PROPOSED FOR ACTIVE REHABILITATION DURING REPORTING PERIOD (ha)	0	0
ANNUAL REHABILITATION TO DISTURBANCE RATIO	0	0
ESTABLISHED REHABILITATION (ha)		0
% REHABILITATED LAND TO TOTAL MINE FOOTPRINT		0

1.7.3 Progressive achievement of established rehabilitation

Due to care and maintenance period no works have been undertaken.

Table 6 Proportion of established rehabilitation for final land use classifications at the end of the reporting period

Progressive achievement of established rehabilitation	This report
ESTABLISHED REHABILITATION FOR AGRICULTURAL FINAL LAND USES (%)	0
ESTABLISHED REHABILITATION FOR NATIVE ECOSYSTEMS FINAL LAND USES (%)	0
ESTABLISHED REHABILITATION FOR OTHER/NON-VEGETATED FINAL LAND USES (%)	0

1.8 Rehabilitation monitoring and research findings

1.8.1 Rehabilitation monitoring

The site has remained in care & maintenance and no rehabilitation has been undertaken at the site and therefore no monitoring of rehabilitation sites or analogue site has commenced. Inspections were carried out for declared weeds during the reporting period and control measures implemented where required. Inspections of water storages and drainage infrastructure were undertaken during the reporting period to ensure stormwater runoff and sediment is being captured and not being discharged offsite.

1.8.2 Status and performance against rehabilitation objectives and rehabilitation completion criteria

No rehabilitation has been undertaken at the site.

1.8.3 Outcomes of rehabilitation research and trials

Nil