





Surface disturbance and rehabilitation activities during the reporting period

Surface disturbance and rehabilitation activities that were conducted and an analysis of the progress against the rehabilitation schedule

During the reporting period, overburden continued to be emplaced in the existing Western Overburden Emplacement, with approximately 5 metres in height remaining on the highest batter until final height is reached. Rehabilitation works during the reporting period have focused on the second highest bench of the Western Overburden Emplacement (WOE) as per the Rehabilitation Plan in Plate 1. Flexterra FGM with ryegrass and couch cover seed mix was selected from the previous hydro-seeding trials to rehabilitate 5.1ha of the Western Overburden Emplacement during Spring 2022. The hydro-seeding conducted in Spring was deemed to be extremely successful, with close to complete groundcover by the end of June 2023. Additionally, 1000 tubestock were planted over the last years hydro-mulched area, and infill planting of 500 tubestock will occur within the previous years rehabilitation to replace unsuccessful plants.

Rehabilitation planning activities that were conducted, including any specialist studies

Aboriginal Heritage field work was carried out between 19 – 22 June 2023 by EMM Archaeologists accompanied by representatives from Ngunawal Heritage Aboriginal Corporation, Thunderstone Aboriginal Cultural and Land Management Services and Pejar Local Aboriginal Lands Council. S An Ecosystem Functional Analysis was undertaken in January 2023. The EFA monitoring program is primarily designed to track rehabilitation progression and success through time. These results can be used as a baseline for the future.

Overview of subsidence repair and/or remediation works undertaken

1000 tubestock were planted over the last years hydro-mulched area, and infill planting of 500 tubestock will occur within the previous years rehabilitation to replace unsuccessful plants. S S Repair work to the Eastern Batters Slip area included drone seeding and fertilising on 22/12/22 and the application of polymer via helicopter on 17/6/23. An envirobond product which included a glue to stabilise the surface was applied at a rate of 10,000L/ha over the 4.5ha area with grass seed and fertiliser added to the mix designed to prevent any potential erosion into

period, a total of 4 deer were removed by a rural contractor and aerial culling was undertaken by the National Parks and Wildlife Services, removing 39 goats from site. During the 2022-2023 reporting period weed control was conducted as per the Marulan South Limestone Mine Weed Management Plan. Management action for priority species during the reporting period was carried out as follows: Blackberry and Serrated Tussock were spot sprayed in autumn with a follow up spray scheduled for spring 2023; Pampass Grass was spot sprayed in summer 2022. Seed heads were removed and larger plants slashed and resprayed in June 2023. A follow up spray will occur in spring 2023; Larger Hawthorn and Cotoneaster plants are cut and painted, while spot spraying smaller plants also occurs in summer and spring months.

Details of any rehabilitation actions taken as required by any letters, notices or directions issued by government agencies, including the NSW Resources Regulator

On the 25/11/22, a landslip occurred on the eastern batters into an unnamed drainage line approximately 700 meters above Barbers Creek, although the slip material remained within the site boundary. The site initiated its Pollution Incident Response Management Plan and applicable stakeholders were notified. A clean up notice 3504376 was received from the EPA on the 16/12/22. The notice requested that Boral engage a suitably qualified expert with the capacity to undertake an assessment of the landslip and its risk to the environment. The Resources Regulator also issued a Directive NTCE0012036 to investigate the cause of the slip and to determine the most appropriate long term remediation options. An Environmental Monitoring Plan was submitted to the EPA detailing how the impacts of the landslip on the downstream environment will be monitored. The plan stated that drone seeding and a polymer spray of the batters would be undertaken if there are any impacts to Barbers Creek. Boral took preventative action on 17/6/23 and sprayed the batters before any impacts could occur. An envirobond product which included a glue to stabilise the surface was applied at a rate of 10,000L/ha over the 4.5ha area with grass seed added to the mix. This polymer spray is designed to prevent any potential erosion into the creek. Drone seeding was also undertaken on 22/12/22 and remedial design work is still underway.

Details of any rehabilitation areas that have achieved the final land use

N/A



Outcomes of rehabilitation research and trials

| RRT NUMBER | PROJECT/TRIAL NAME | OBJECTIVE OF TRIAL/PROJECT | METHODOLOGY | EXPECTED DATE OF COMPLETION | UPDATED DATE OF COMPLETION | STATUS | ON TRACK? | ON TRACK UPDATE |
|------------|--------------------|----------------------------|-------------|-----------------------------|----------------------------|--------|-----------|-----------------|
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Attachment 2 – Definitions

| WORD | DEFINITION |
|---------------------------------------|---|
| Active | In the context of rehabilitation, land associated with mining domains is considered 'active' for the period following disturbance until the commencement of rehabilitation. |
| Active mining phase of rehabilitation | In the context of rehabilitation, the active mining phase of rehabilitation constitutes the rehabilitation activities undertaken during mining operations such as salvaging and managing soil resources, salvaging habitat resources, and native seed collection. This phase also includes management actions taken during operations to manage risks |



Attachment 3 – Rehabilitation Complaints

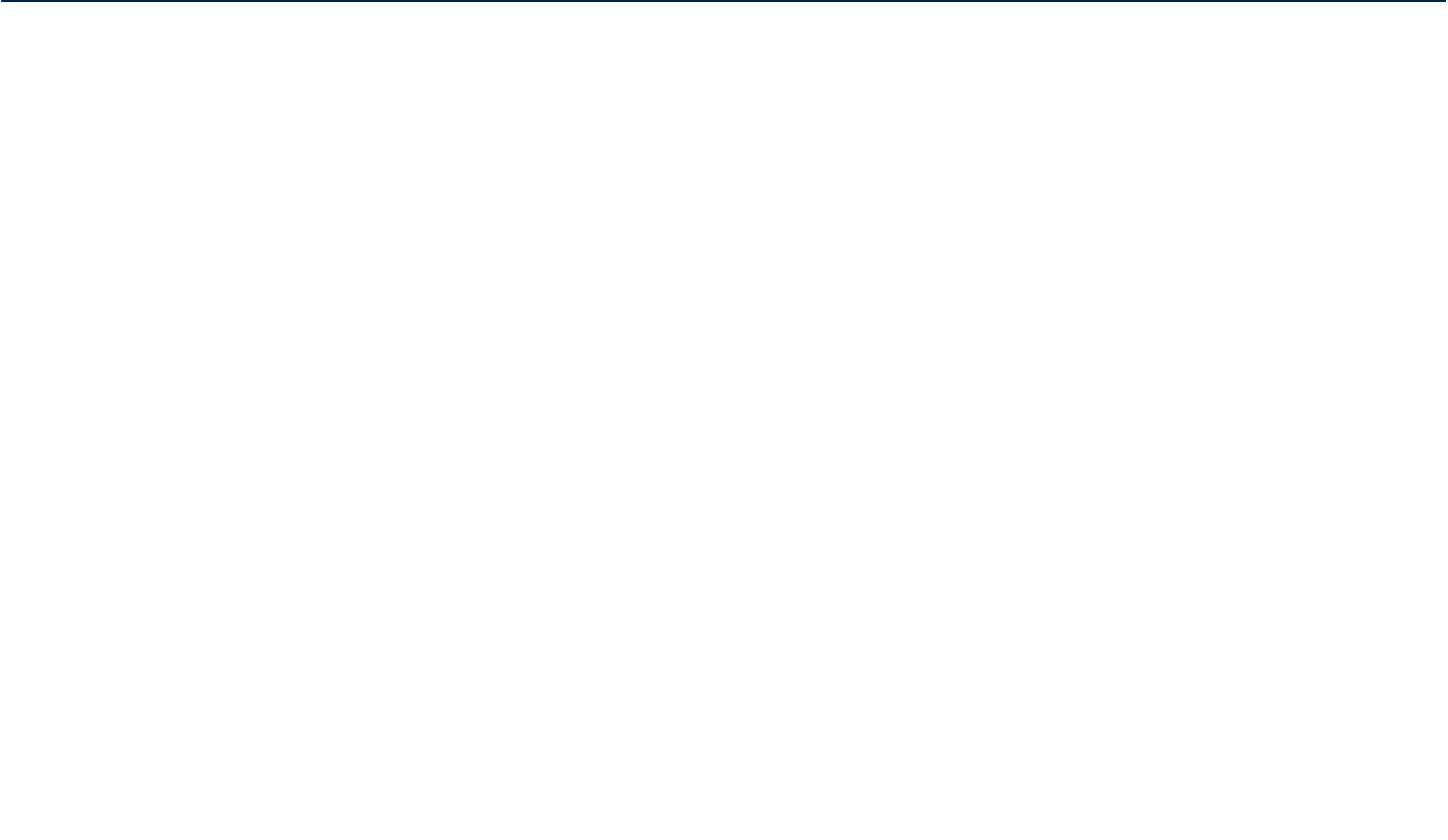
| DATE | COMPLAINANT | COMPLAINT DETAILS | RESPONSE DETAILS | STATUS OF RESPONSE | DATE RESPONSE COMPLETED (IF APPLICABLE) |
|------------|---------------------------|-------------------|------------------|--------------------|---|
| 7 Jul 2022 | Tallong Community Members | 4LS | | | |

MARULAN SOUTH LIMESTONE MINE ANNUAL REHABILITATION REPORT

ARR0001148 | Friday 1 July 2022 to Friday 30 June 2023

Attachment 4 – Stakeholder consultation





MARULAN SOUTH LIMESTONE MINE ANNUAL REHABILITATION REPORT

ARR0001148 | Friday 1 July 2022 to Friday 30 June 2023

| DATE | STAKEHOLDER | CONSULTATION ACTIVITIES AND FORMS | MATTERS SUBJECT TO CONSULTATION | ACTIONS TAKEN |
|------|-------------|--------------------------------------|---------------------------------|---------------|
|------|-------------|--------------------------------------|---------------------------------|---------------|

