



ILUKA

MURRAY BASIN

NEWSLETTER

WELCOME TO THE NOVEMBER 2021 ILUKA RESOURCES UPDATE FOR THE MURRAY BASIN.

Wimmera

Key environmental work packages are to be progressed, subject to the required level of project scope definition being available. Landowner consultation will soon commence in relation to proposed fieldwork for agricultural assessment in Q4 2021, and a drilling program and cultural heritage assessment in Q1 2022. A new Wimmera Project study manager has been appointed and commenced in September. The next community information session is currently scheduled for late November, however this date may be subject to change.



Hamilton MSP Solar Farm Assessment

Planning work by energy developer Tetris Capital, is underway to assess the development of a solar farm adjacent to Iluka's Hamilton mineral separation plant (MSP), with Iluka entering into an agreement to host the project as the landlord.

Tetris Capital plans to lease approximately 12 hectares of land buffering the MSP for the potential development of a 5MW solar farm, providing a positive alternative land use for Iluka. If developed, the solar farm would utilise the existing energy infrastructure in the area.

The proposed solar facility is not expected to impact any potential future development of the MSP site, but rather provide future opportunities for Iluka to access a renewable power supply to the plant.

A decision surrounding the development of the solar farm is likely to take approximately 6-12 months.



Euston

In June, July and August earthworks activities kicked off in preparation for the drilling field work program. Earthworks included the establishment of tracks, drill pads and the construction of three turkeys nests.

The Euston Project has also seen the start of a field work program in September. The drilling field work program activities included the drilling and establishment of water bores, monitoring bores and re-injection bores to test the hydrogeological properties of the Yalong and Koolaman strands. Water flow testing and water composition over time will be monitored to help support future development approval. Diamond cores were drilled to further understand the nature of the sands and geochemical testing of the strands below water table. A minor exploration program is also being conducted at the same time.

Baseline environmental studies have commenced and include surface water, air quality, flora & fauna, biodiversity offset study and ground water dependant ecosystem baseline. This study will include both desk top assessments as well as field work.

Post these activities areas of disturbance will be rehabilitated.



Balranald

Iluka undertook a mining trial at its Balranald Project, about 60km from the Balranald township, over the second half of 2020.

The outcomes of trial confirmed the effectiveness of the underground mining method and validated key elements of the mining unit design.

Growing confidence in the application of the underground technology was a key factor in the decision to approve the next phase of the project by the Board in August 2021.

The mining trial site has been kept in care and maintenance. Iluka maintains a regular presence undertaking monitoring and inspections.

Land Management

The land team provide a support function to Iluka's rehabilitation and projects group. Land management involves working with landholders on a range of projects, typically related to agricultural production. We work with leaseholders to improve agricultural productivity across rehabilitated land across all our sites. This includes establishing and maintaining agreements, sourcing and interpreting data which provides feedback on the response of the land to particular management actions.

Following a very good 2020 season, the team is again undertaking a range of crop samples to understand the performance response of rehabilitated land to analogous (or neighbouring) non-mined areas. In addition to data received from harvest machinery and satellite imagery, our team also sources physical samples to measure crop yields, grain quality, biomass and soil health. The samples are taken from the field for analysis with specialist equipment and agronomists. Each year this data and information build a profile that over time, informs the overall rehabilitation story. The collaboration and local knowledge provided by our participating landholders is an invaluable element in the rehabilitation process.





Rehabilitation Projects

Kulwin

Rehabilitation earthworks at the former Kulwin mine resumed mid-2020, works are progressing well and are on track for completion during 2021. As at the end of October 2021, 49Ha of the total mine disturbance footprint remains to be rehabilitated, with 159Ha rehabilitated from June 2021 to October 2021. Areas rehabilitated over the past 6 months includes the completion of earthworks at the Kulwin TSF with the land now under its first crop. Following the completion of rehabilitation earthworks, the Kulwin mine will move into an agricultural and environmental monitoring phase whilst we work towards achieving the approved completion criteria.

In June 2021, Greening Australia undertook roadside revegetation work within various roadside reserves outside of the Kulwin mine as part of the Regent Parrot Offset Management plan commitments. These planting works are designed to enhance the habitat for the Regent Parrot, which is classified as a threatened species within Victoria. Approximately 755 tubestock (consisting of native species of local provenance) were planted as part of this revegetation program.

In July 2021, Iluka commissioned Greening Australia to complete infill planting at the Kulwin Bushland Reserve to further enhance the revegetation of the mine's disturbance footprint within this reserve. In total, 1650 native species were planted within the reserve.

WRP

Earthworks at the Woorack, Rowack, Pirro (WRP) mine are largely complete with 88 hectares remaining to be completed. The final area to be rehabilitated consists of a mined pit containing stored ilmenite, a water storage facility and an access road to the mined pit. Rehabilitation of these areas is expected to be finished by 2025, and will progress following completion of ilmenite removal from pit.

Greening Australia were commissioned to undertake revegetation works within the mine disturbance area of the F1 Block (Unreserved Crown Land) at the WRP mine. This revegetation area is approximately 84Ha of land that is to be returned to native vegetation. Greening Australia have used a combination of direct seeding, tubestock planting, and the application of native grass and herbaceous species seed using custom built seeding equipment along with the application of seed via hand. Installation of pest proof fencing has been completed around the perimeter of the F1 Block revegetation footprint along with the undertaking of an intensive rabbit control program. Approximately 240kg of native seed (consisting of approximately 80 native species) was collected from 2019 to 2021 for this revegetation program. Revegetation works within the mine disturbance footprint within the F1 Block commenced in June and was completed by early July and included the planting of approximately 15,000 tubestock. Revegetation works at the F1 Block are anticipated to be completed over a period of three years, dependent on how successfully the vegetation establishes over this time.

In June 2021, Greening Australia also completed roadside revegetation work within various roadside reserves within and outside of the WRP mine as part of the Regent Parrot Offset Management plan commitments. These planting works are designed to enhance the habitat for the Regent Parrot, which is classified as a threatened species within Victoria. Approximately 975 tubestock (consisting of native species of local provenance) were planted as part of this revegetation program.

Douglas

Rehabilitation earthworks at the Douglas mine recommenced in May 2021 with earthworks anticipated to be complete during 2025. Since May, earthworks have focused on the reprofiling of Pit 22 in preparation for capping with overburden.

Environmental monitoring at the Douglas mine and Hamilton MSP is ongoing with results of monitoring programs reviewed as data is received. No trends of concern or exceedances have been identified for any of the monitoring events undertaken over the past 6 months. Weed and pest animal control works are ongoing at the Douglas mine. Inspections for the presence of weeds and signs of pest animal activity within all offset properties associated with the Douglas mine are scheduled to be completed in H2 2021.

Ouyen Mine Accommodation

Iluka's accommodation facilities located on the outskirts of Ouyen have been used through the construction, mining and rehabilitation phases of both the Kulwin and WRP mines. With cessation of rehabilitation earthworks in late 2021, the Ouyen camp will be surplus to our accommodation needs in the Ouyen region. It is intended that the camp buildings will be relocated to NSW for our future use by Iluka, allowing the Ouyen camp site to be rehabilitated in the first half of 2022 and returned to the landowner.

Please contact us if you would like more information or to discuss any of the activities described above, or other Iluka activities with no current updates in the Murray Basin. You can reach us by email at communities.support@iluka.com, online at www.iluka.com/contact-us, or by calling our 24-hour community line on 1800 305 993. To unsubscribe to this six-monthly update, please email us at the address above with 'UNSUBSCRIBE MB UPDATE' in the subject heading.