



# Maxwell Infrastructure and Spur Hill CCC Presentation

9 June 2021

# Meeting Agenda

No.	Topic	Who
1	Housekeeping and safety	Donna McLaughlin
2	Welcome – attendees and apologies	Chairperson
3	Declaration of pecuniary interests	Chairperson
4	Update on the Spur Hill Project	James Johnson
4	Update on the Maxwell UG Project	James Johnson
5	Environmental Performance	Donna McLaughlin
6	Community Updates	Donna McLaughlin
7	Proposal to combine both committees	All
8	General business	Chairperson
9	Next meeting	Chairperson
10	Meeting close	Chairperson

# Update on the Spur Hill Project

# Proposed 2D Seismic Program 2021

- Purpose

- Define Eastern boundary fault.
- Define grade and/or presence of structure between Eastern boundary fault and location of hinge line of the Denman Anticline.
- Assess southern portion of lease for geological structure (in line with previous 2D seismic completed to the north).
- Outcomes will determine the 2022 seismic strategy.

- Extent

- 3 x ~5 kilometre 2D Seismic Lines (Envirovibe Source)
- Southern Area EL7429: 5.03klm / Western Area EL5460: 0.25klm
- Lines have been adjusted to mostly go along an existing track, down a fence line or across a clearing within a paddock.

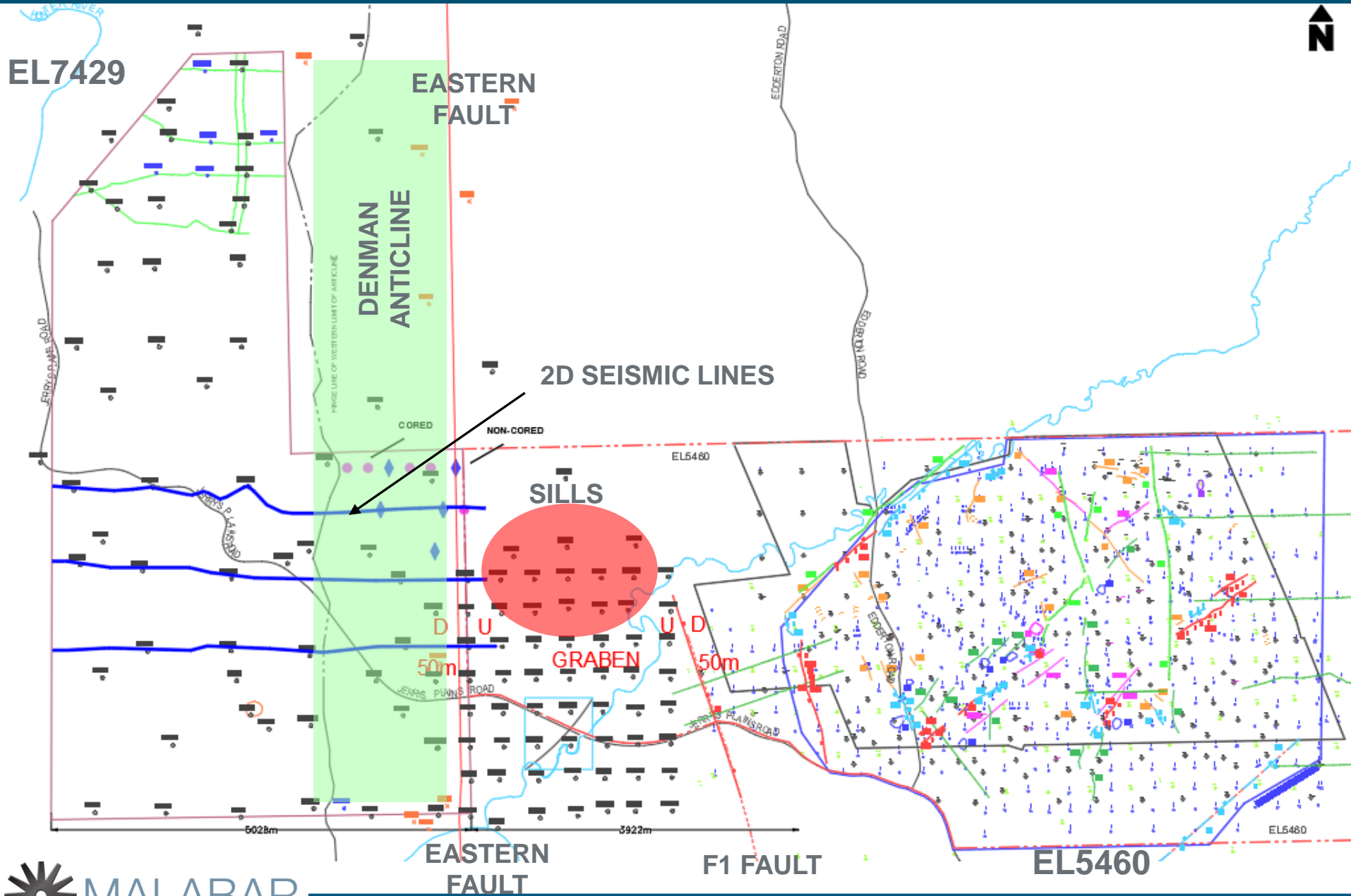
- Timing

- Landowner consultation to commence around mid-June 2021.
- Work is proposed to start around September 2021.



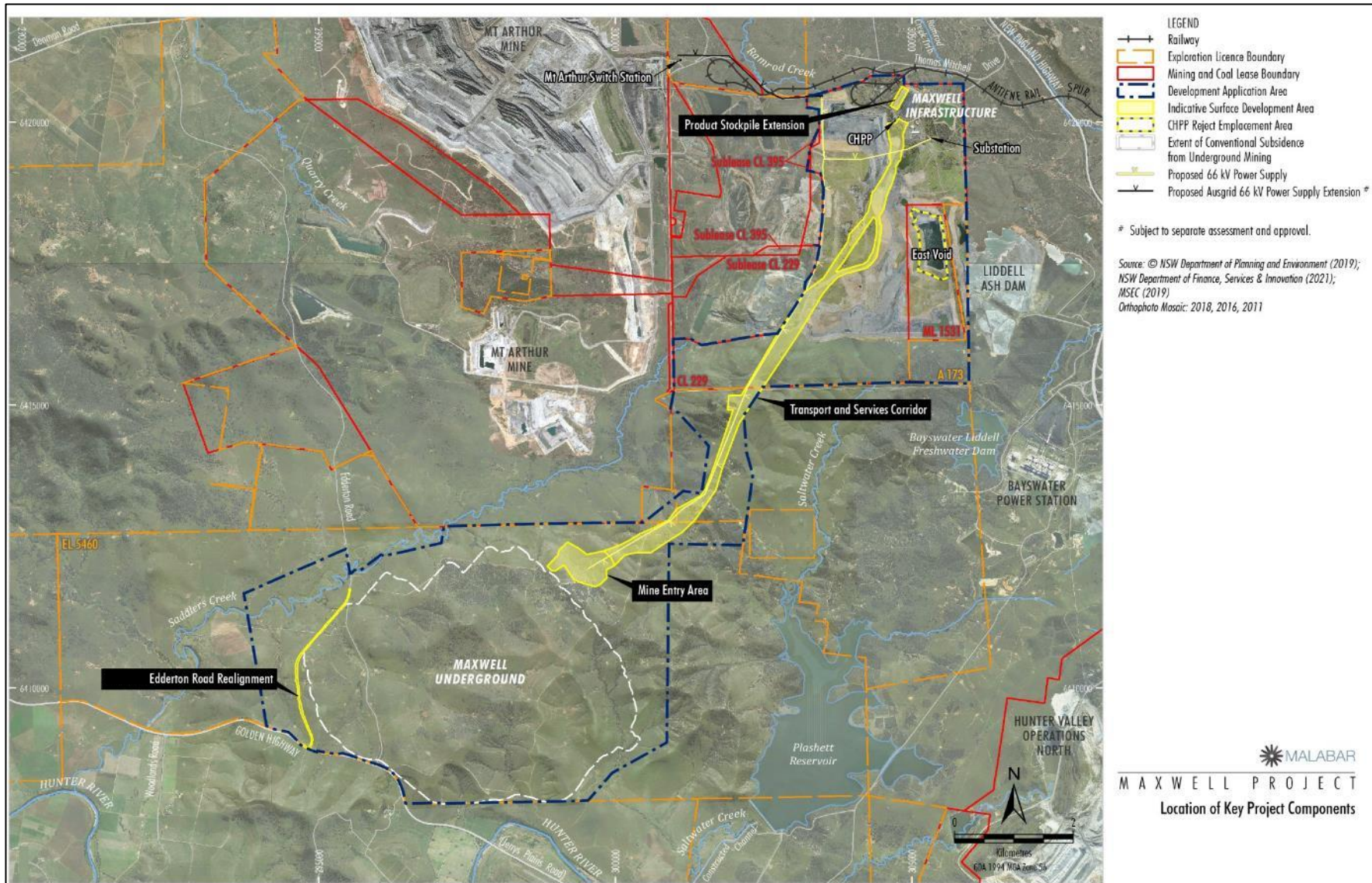


# Proposed 2D Seismic Program 2021



# Update on the Maxwell UG Project

# Project Overview





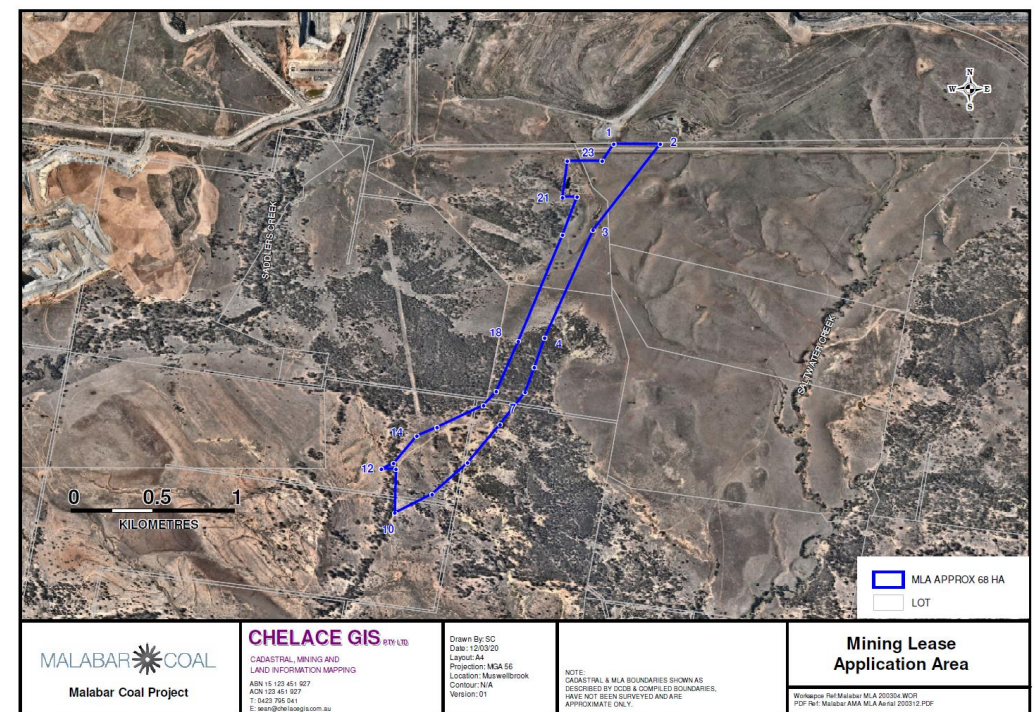
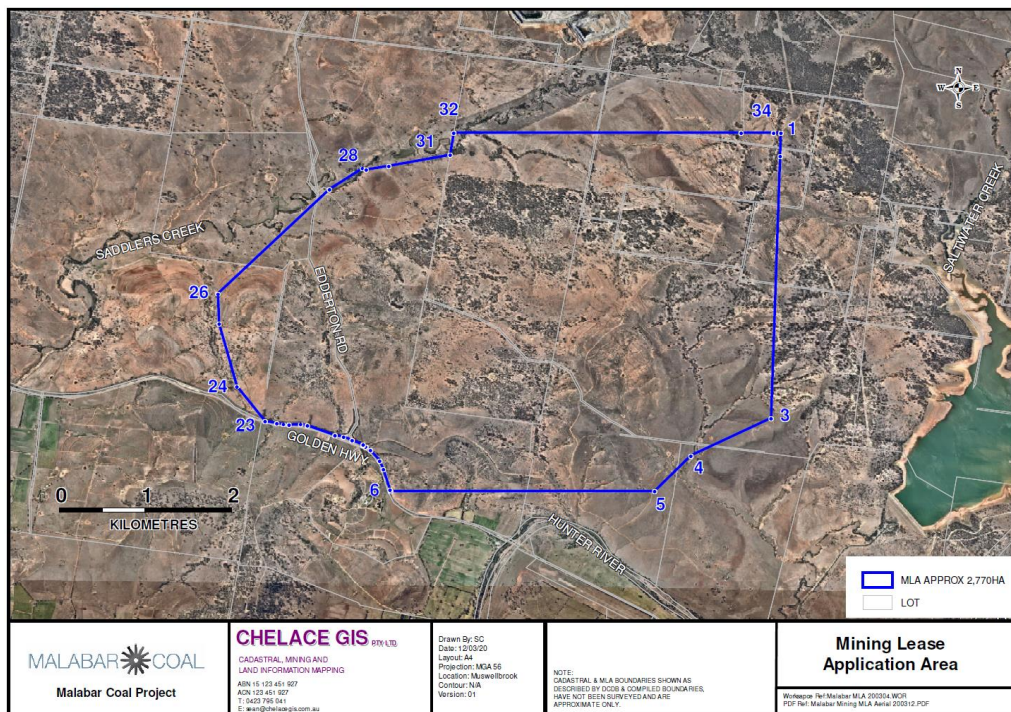
# Project Timing

Calendar years	Year 0 2020			Year 1 2021			Year 2 2022			Year 3 2023			Year 4 2024			2025 onwards		
Mining Leases & Management Plans																		
Construction of Access Rd & MEA																		
Construction of Mine Access Portals, Drifts & Vent Shaft																		
Development of site infrastructure																		
Development Coal to set up for Longwall Operations																		
Longwall ordered, manufactured, delivered and installed																		
Design & Construction of overland conveyor																		
Longwall production																		



# Mining Lease Applications

- Two mining lease applications submitted on 24 December 2020.
- Maxwell submitted additional information on 26 March 2021.
- Approval imminent.



# Construction Management Plans Update

Management Plans	SQE approved	Draft Prepared	Consultation	Submit to DPIE
Noise and Blasting Management Plan	Completed	Completed	Completed	
Spontaneous Combustion Management Plan	Completed	Completed	Completed	Completed
Air Quality and GHG Management Plan	Completed	Completed	Not Required	Completed
Water Management Plan	Completed	Completed		
Biodiversity Management Plan	Completed	Completed		
Aboriginal Heritage Management Plan	Completed	Completed	Completed	Completed
Visual Impact Management Plan	Not Required	Completed	Not Required	Completed
Contaminated Materials Protocol	Not Required	Completed	Not Required	Completed
Bushfire Management Plan	Not Required	Completed	Completed	Not Required
Rehabilitation Management Plan (Mining Operations Plan)	Not Required	Completed	Not Required	Completed
Traffic Management Plan	Completed	Completed	Completed	Completed
Environmental Management Strategy	Not Required	Completed	Completed	
Exploration Activities and Minor Surface Infrastructure				

	Completed
	Not Required

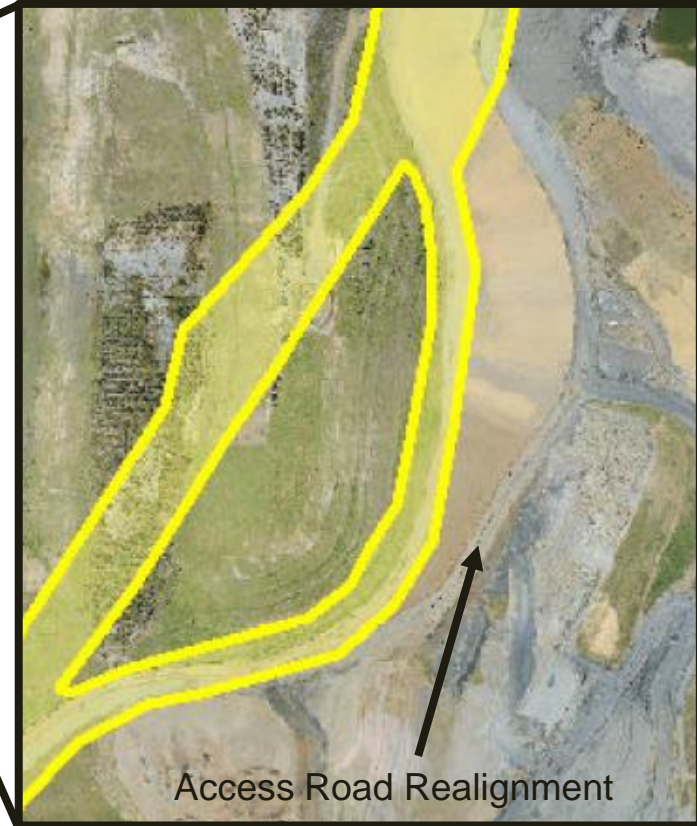
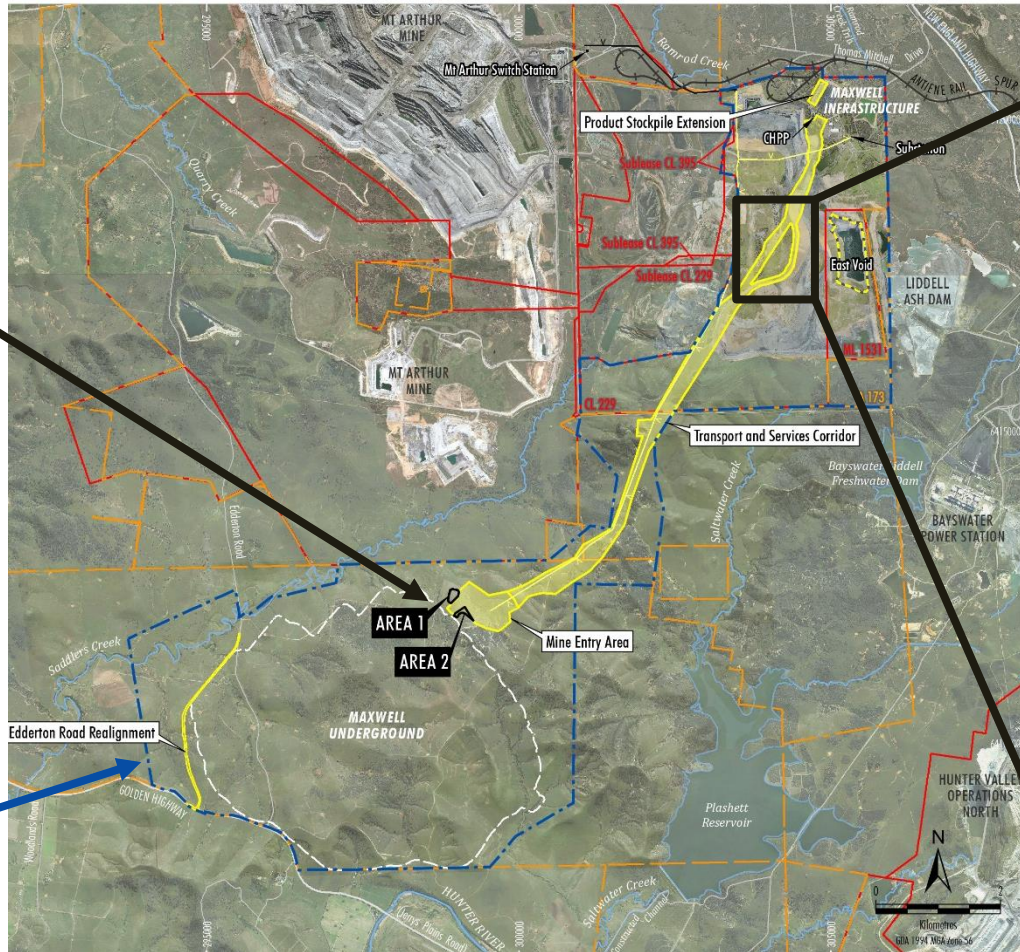


# Mine Entry Area Modification - Overview

Minor repositioning of some infrastructure within Mine Entry Area

Water treatment facility to be located at Maxwell Infrastructure

Approved Development Application Area



# Mine Entry Area Modification – Benefits

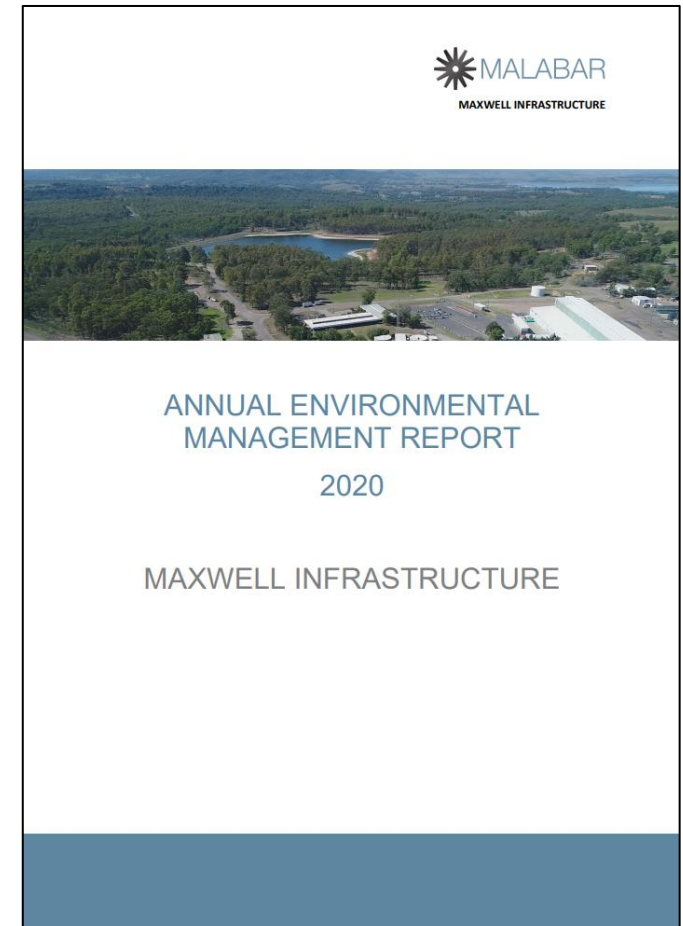
- ✓ Removes the need for a bend in the drift conveyor.
- ✓ Revised location provides better water management outcomes – reduced risk of ingress to underground.
- ✓ Extension outside of surface development area provides suitable geotechnical properties of surface material.
- ✓ Simplifies surface ROM coal handling by removing a surface conveyor.
- ✓ Reduction in the grade of the drift provides various operational and safety benefits.
- ✓ Reduction in total capital cost for drift.
- ✓ Relocation of water treatment plant reduces costs and lowers environmental risks associated with pumping brine from MEA to Maxwell Infrastructure.
- ✓ Realignment of access road to make use of existing haul road minimises impacts to existing rehabilitation.



# Environmental Performance

# Annual Environmental Management Report

- The 2020 Annual Environmental Management Report has been prepared.
- This report details the compliance status of the Maxwell Infrastructure site with respect to development consents and mining leases from 1 January 2020 to 31 December 2020.
- A copy has been sent to the Maxwell Infrastructure CCC members. Hard copies are available today.
- The report is also available online at <https://malabarresources.com.au/sustainability/documentation#annual-reports>



# Rehabilitation Cost Estimate

- Maxwell submitted an updated Rehabilitation Cost Estimate (RCE) to the Resources Regulator on 8 January 2021. The RCE took into consideration activities undertaken by Maxwell during 2018 and 2019.
- The Resources Regulator review determined that there would be no change to the current security held by the Titles Department.
- The RCE was determined on the information available at the time. Due to an administration error, additional information that was submitted (costings reports and GIS shapes) was not assessed at the time of the determination.
- Maxwell has since submitted a new RCE that includes the Maxwell UG Project. This is currently under review.

# Targeted Assessment Program

- Resources Regulator complete a Targeted Assessment Program on Landform Assessment on 2 March 2021.
  - Landform design
  - Execution
  - Verification and monitoring
  - Focus on landform evolution monitoring
- Recommendations:
  - Review and update risk assessment
  - Undertake further testing of overburden and tailings material
  - Survey control for spontaneous combustion
  - Measurement of erosion field parameters
  - Quality assurance process for landform design
  - Investigate landform evolution modelling

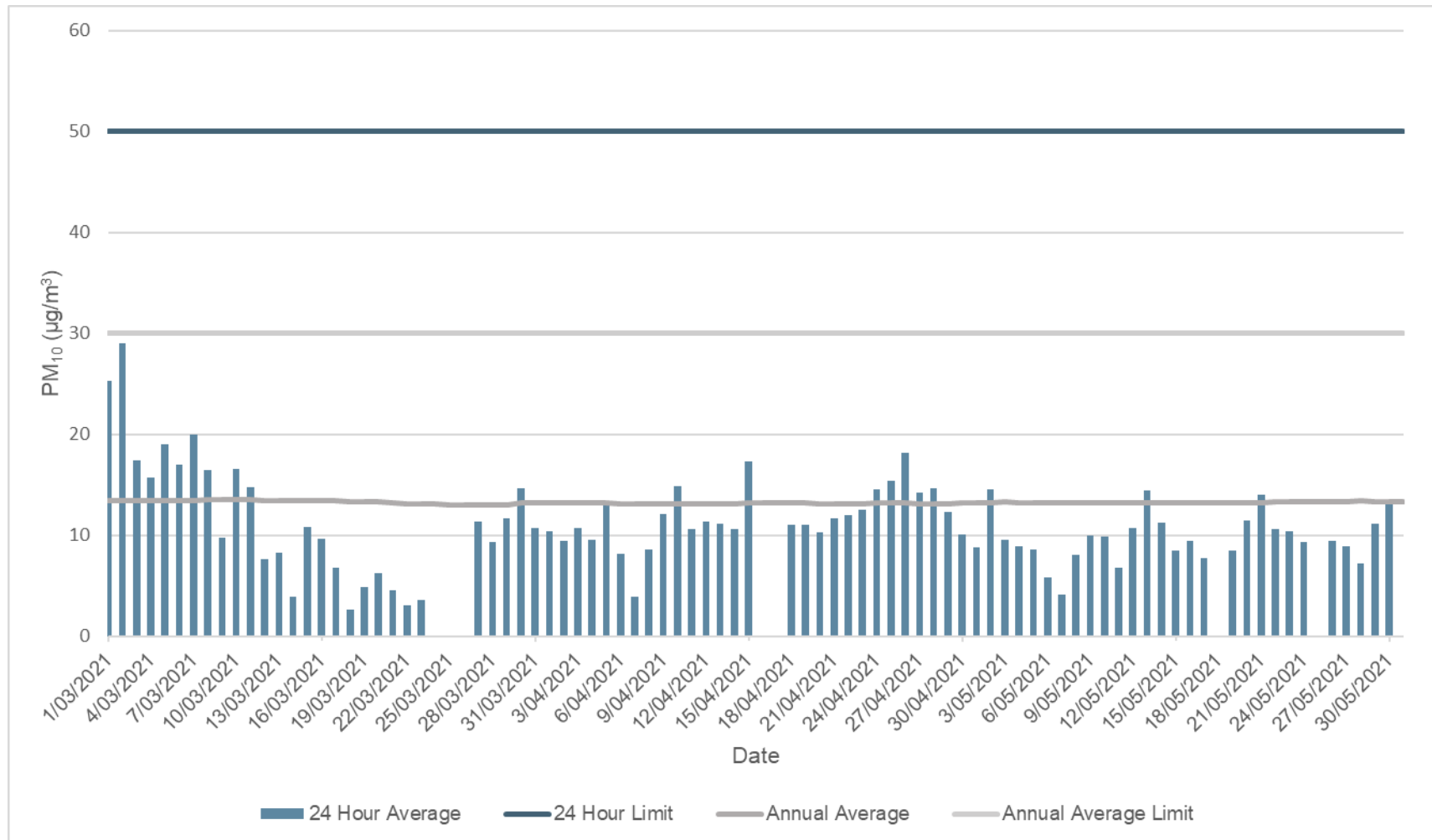


# Rehabilitation

- 10,000 trees planted in March 2021 with additional tree planting scheduled for September 2021.
- Over 850 hectares of land under active rehabilitation.
- Weed spraying continued.
- Wild dog baiting on site.
- Wild dog and pig trapping on buffer land.
- Nest boxes to be installed on Southern Offset area in June 2020.



# TEOM PM<sub>10</sub>



The graph shows 24-hour average PM<sub>10</sub> concentrations recorded from 1 March to 31 May 2021 as measured using a TEOM. All were significantly below the 24-hour impact assessment criterion.

# Community

# Complaints

- No complaints received



# Recent Sponsorships

## Upper Hunter Show

- In March 2020, Malabar were blue ribbon sponsors for the interbreed grand champion bull and heifer and the supreme champion beef exhibit.
- Malabar also donated 10 family passes for the Upper Hunter Show to Muswellbrook South Public School.



# Recent Sponsorships

## Jerry's Plain Cup

- The Jerry's Plains Cup Race Day was held in April at the Muswellbrook race club with Malabar as the major sponsor.
- The sponsorship package included a two-course lunch held at the Silks Function Centre. Malabar invited 38 guests from the local community to attend the race day with guests including
  - Community members
  - Local businesses
  - Local charities
- Winner of the Jerrys Plains Cup was Estroverto (Aaron Bullock for Kylie Gavenlock).



Photo Credit: Muswellbrook Race Club & Katrina Partridge Photography



# Recent Sponsorships

## St Heliers Heavy Horse Field Days

- St Heliers Heavy Horse Field Days were held in May.
- For the second year in a row, Malabar sponsored the farm implements and the infamous pumpkin snatch events.
- Malabar's sponsorship also covered the cost for two new slides that were used during the events.





# Recent Sponsorships

## Denman Sandy Hollow Junior Rugby League Club

- Malabar continues to be the major club sponsor of the Denman Sandy Hollow Junior Rugby League Club.
- The sponsorship allows the club to have some of the lowest registration fees.





# Recent Sponsorships

## Red Door Kitchen

- The Red Door Kitchen operates from the Uniting Church hall in Muswellbrook
- Run by volunteers who provide a free home cooked meal to those financially disadvantaged or lonely.
- Malabar donated \$250 towards the purchase of food and prepared and printed advertising flyers to be distributed throughout Muswellbrook.



**RED DOOR COMMUNITY KITCHEN**

If you are feeling isolated, financially disadvantaged or just wanting to have a meal and a chat

**Please join us for a free home cooked lunch every Thursday between 12pm—2pm**  
(last meal served at 1.45pm)

**EVERYONE IS WELCOME**

Uniting Church Hall,  
114 Bridge St,  
Muswellbrook

Printing donated by  MALABAR

Further information or if you would like to make a donation, please phone: 0419 484 447

# Proposal to combine CCC's

# Community Consultative Committees

- Malabar Resources has the following CCC's:
  - Spur Hill CCC – Spur Hill Underground
  - Maxwell Infrastructure CCC – Maxwell Infrastructure site
  - Antiene CCC – Joint CCC with BHP focussing on the Antiene Rail Spur
  - A requirement to establish a new CCC for the Maxwell UG Project under SSD 9526.
- Malabar are seeking to combine CCC's to:
  - Streamline information provided to the community.
  - Provide consistent information across all projects.
  - Provide CCC members with an update across all projects and our long term strategy.
- Malabar Resources is proposing to combine and reduce the number of CCC's to the following:
  - Combined Maxwell and Spur Hill CCC – this will cover the recently approved Maxwell UG Project (which incorporates Maxwell Infrastructure) and Spur Hill Underground (EL 7429)
  - Antiene CCC - Joint CCC with BHP focussing on the Antiene Rail Spur.

# Community Consultative Committees

- The CCC would be established in accordance with the DPIE's *Community Consultative Committee Guidelines: State Significant Projects*.
- All existing members would be encouraged to apply.
- We would invite Coolmore and Godolphin horse studs to be part of the combined Maxwell and Spur Hill CCC

## COMMUNITY CONSULTATIVE COMMITTEE

A20. Before the commencement of construction, a Community Consultative Committee (CCC) must be established for the development in accordance with the Department's *Community Consultative Committee Guidelines: State Significant Projects (2019)*. The CCC must continue to operate during the life of the development, or other timeframe agreed by the Planning Secretary.

### Notes:

- *The CCC is an advisory committee only.*
- *In accordance with the Guidelines, the Committee should comprise an independent chair and appropriate representation from the Applicant, Council, affected stakeholder groups (including the Coolmore and Woodlands thoroughbred horse studs) and the local community.*

A21. With the approval of the Planning Secretary, the Applicant may combine the CCC required by this consent with any CCC previously established under MP 06\_0202.

*Extract from Development Consent SSD 9526*

- CCC meetings would continue on a quarterly basis.
- Maxwell would look to rotate the venue and meeting time.
- Maxwell would seek approval from DPIE for an independent Chairperson.

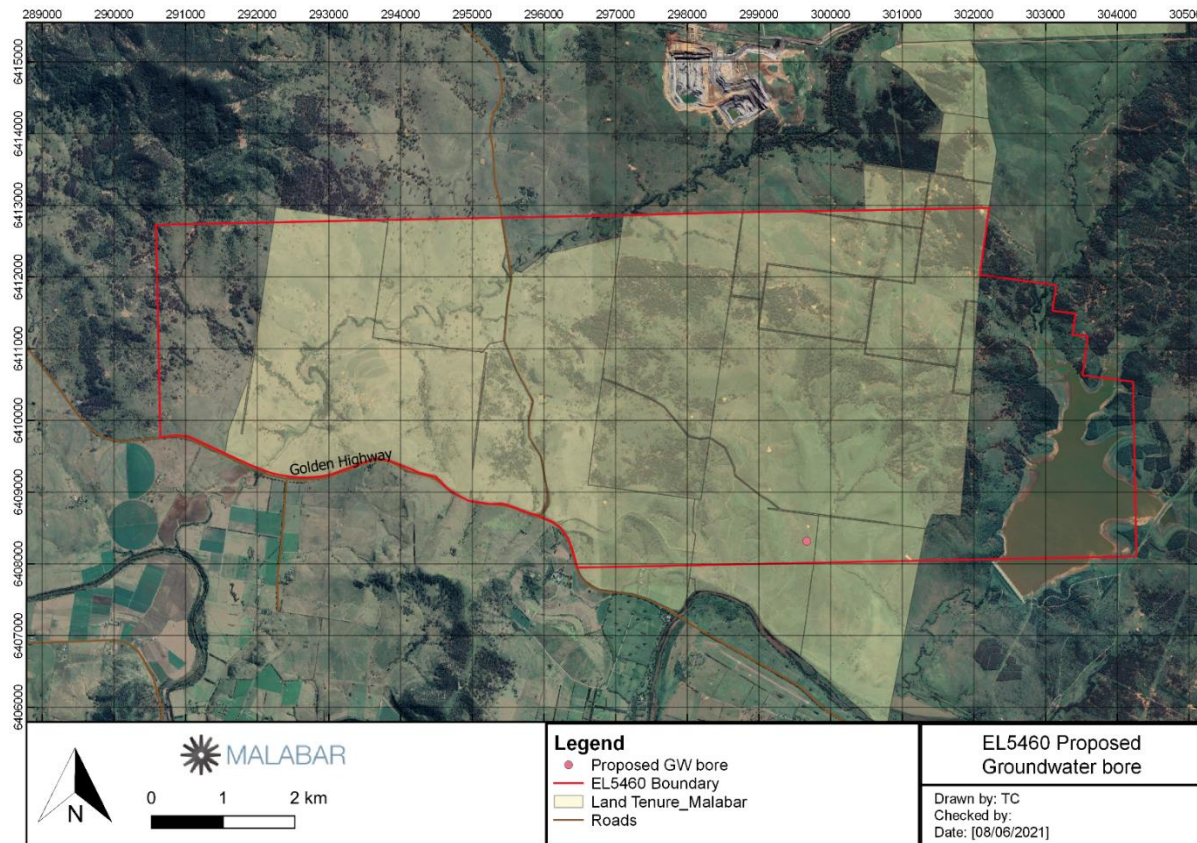


# General Business

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## Groundwater Monitoring Bore Installation

- A shallow alluvial groundwater bore will be installed on a tributary of Saltwater Creek. The bore is located on Exploration Lease EL5460 on Malabar owned land.



Thank you