

**Minutes of the Mount Thorley Warkworth  
 Community Consultative Committee Meeting Q4 2022**

**Date:** Tuesday 23 November 2022

**Location:** MTW and Teleconference

**Time:** 2pm – 4pm

**Attendees**

Colin Gellatly (CG - Chair)  
 Gary Mulhearn (GM)  
 Joshua van Bezouwen (JVB)  
 David Bennett (DB)  
 Antoinette Silk (AS)  
 Barb Brown (BB)  
 Denis Maizey (DM)  
 Stewart Mitchell (SM)  
 Ian Hedley (IH)  
 Dr. Neville Hodkinson (NH)

**Role**

Independent Chairperson MTW CCC  
 MTW Environment & Community Manager  
 MTW Environment & Community Advisor  
 MTW General Manager  
 Community Representative  
 Community Representative  
 Community Representative  
 Community Representative  
 Community Representative  
 Stakeholder Rep - Singleton Shire Healthy Environment Group (via teleconference)  
 DPE Director – Resource Assessments  
 DPE Team Leader - Resource Assessments  
 DPE Senior Environmental Assessment Officer

Steven O'Donohue (SO)  
 Joe Fittell (JF)  
 Sarah Clibborn (SH)

**1. WELCOME**

- CG opened the meeting and welcomed CCC members and DPE attendees.

**2. APOLOGIES**

- GM advised apology received from Hollee Jenkins (HJ)

**3. DECLARATION OF PECUNIARY INTEREST / CONFLICT OF INTEREST**

- **Standing Declarations:** Col advised that he is engaged by MTW to provide the services of Independent Chairperson.

**4. BUSINESS ARISING**

**Action Items arising from the 28 August 2022 Meeting**

Refer to **attached** CCC presentation for previous actions, and relevant response / update made by MTW. Other notes of relevance discussed during the meeting in relation to Business Arising are below.

*Business Arising Action 8: DM discussed he has found contacting DPE is becoming more difficult with the department's portal on the internet, previously he was able to call directly to the team based out of Singleton and*

have a discussion. SO provided an overview of the departments structure. JF offered to provide his contact number for CCC members to contact him with any questions.

**Follow on Actions from Business Arising:**

**Action 1: Community Newsletter to be distributed within one month of CCC meeting**

**5. CORRESPONDENCE**

- 9/10/2022 – Chair circulated correspondence from DPE regarding draft CCC guidelines for review / comment
- 11/10/2022 - MTW CCC Meeting 16 August 2022 - Draft minutes
- 20/10/2022 - MTW CCC Meeting 16 August 2022 – Final minutes endorsed by Chair
- 24/10/2022 - MTW Community Support Program 2023 - Applications Open
- 3/11/2022 - Upper Hunter Mining Dialogue 2022 Community Forum
- 11/11/2022 - Upcoming CCC Meeting Wednesday 23 November 2022 - Agenda. DPE to attend. Annual Review Report 2021
- 15/11/2022 - Upcoming CCC Meeting Wednesday 23 November 2022 - Business Papers

**6. CONFIRMATION OF THE PREVIOUS MEETING'S MINUTES**

Confirmed at today's meeting by CG.

**7. PROPONENT REPORTS AND OVERVIEW OF ACTIVITIES**

**MTW Operations**

*Refer to presentation*

- DB provided business update regarding operations and production, coal pricing, cost increases, safety performance. DB advised that operations have been affected by wet weather this year, with a reduced production output as a result. DB advised full year production will be behind around 30% by end of year. MTW is currently only operating the dragline in West Pit and the North Pit dragline currently parked up for several weeks. the fleet of 15 new NHL Ultra Class trucks are operational and being utilised for production. MTW is carrying quite high water stocks as a result of rainfall, and has been operating licensed discharge operations to manage.
- IH asked about the progress of the filling of South Pit. DB advised that dumping will start at the northern end of South Pit, and in future would come from the southern end of South Pit. Works will take at least 4 years to complete and will depend on ability to empty the water to progress dumping.

**North Out Of Pit Dam (NOOP)**

*Refer to presentation*

- DB advised construction of the NOOP dam is continuing but has been held up with wet weather. The main excavation has continued using a mining excavator. Blasting activities expected to commence late this year or early next year 2023.

- IH asked about the water quality that will be in the NOOP and ability to control the water. GM advised the water will be mine water, the NOOP will provide additional water storage for containment during rain events.

### **Modification - WML Workshop Modification Update**

*Refer to presentation*

- GM the advised the Ultra Class workshop will allow the maintenance of the new NHL truck that do not fit into existing workshop facilities, construction commenced in November.

### **MTW Communications Tower – Charlton Ridge**

*Refer to presentation*

- GM advised the sites communication tower has been constructed as seen in the presentation. The tower will provide LTE (Long Term Evolution) communication to mining equipment back to dispatch. The LTE network will provide opportunities for other communications such as environmental monitoring equipment.
- BB asked about use of the communication tower for the community. GM advised that MTW has been communicating with providers such as TPG and Vodafone offering opportunity for providers to install their own mobiles phone cells to provide mobile coverage to the area. IH advised the government has money set aside for the "Black spot" program that could be available to improve reception in the area.
- DM asked about the red flashing light on the tower that he has noticed, and enquired why CCC wasn't advised. GM advised that although the tower construction has been advised to CCC at previous meetings, the red flashing light on the tower was completed as part of the engineering requirements during construction. GM noted this would have been communicated at previous CCC meetings if it was known at the time of those meetings.
- DM has been in contact with CASA regarding tower lights who advised lights may not be required for this situation and that CASA only make recommendations. DM noted he will understand if it's a safety issue. DM/SM also noted that overburden dumps may be higher than Charlton Ridge where the tower is located, and queried if that affects aviation warning light requirements.
- GM advised he understood it is a CASA requirement and will follow up and provide details on requirements.

***Action 2: MTW to follow up on the requirements of the red light on the communications tower.***

### **Exploration**

*Refer to presentation*

- All exploration sites for 2022 and 2023 are on MTW owned land, and within mining and exploration tenements.
- The 2022 program will be completed by end of November.
- The 2023 exploration program is expected to start in February located on Yancoal owned land.

### **Monitoring**

*Refer to presentation for data – YTD 2022*

- JVB presented equipment downtime / Community Response Officer (CRO) noise assessments and operational changes for nights above noise limits.

- DM questioned the number of CRO assessments regarding if noise readings recorded as NA are recorded in those numbers. JVB advised all individual noise assessment are recorded even when listed as NA. NA does not always mean there was no noise but could be the result of being unable to record a measurement to noise unrelated to the mine. DM questioned NA measurements being averaged. GM advised he was unsure where that reference was from and would follow this up.

**Action 3: GM to follow with Denis the reference to noise assessments being averaged.**

### **Rehabilitation / Disturbance 2022**

*Refer to presentation*

- GM advised that 50.0Ha of rehab areas have passed the “Bulk Shaped” status. 29.2Ha of this area is in the “Ready to Seed” or “Seeded” status.
- GM advised that the disturbance target for 2022 includes disturbance associated with the NOOP Dam construction in previously rehabilitated areas on Tailings Dam 1 dump area.
- SM asked about the disturbance progression, and asked if the mine is limited to a distance ahead of mining, which he thought was about 100m. GM confirmed disturbance is tracked in monthly reports and mine planning.. DB advised only one strip ahead of mining is completed at a time, only the required area is cleared to complete mining excavation, not clearing large areas and then leave it sit there. DB noted though the width will vary, he thought often this would be less than 100m. SM enquired about the clearing near Putty Road. GM/DB advised that the mine has been stood up in that area as we waited for the Wollombi Brook Aboriginal Conservation Area, and with recent wet weather, clearing was delayed for access for mulching equipment, and this area is now being advanced to a more efficient shape for highwall and benches.

### **Historic & Cultural Heritage Management**

*Refer to presentation*

- GM advised MTW now has a dedicated resource to progress historical heritage works. Quotes for works have been previously received and will be planned to progress in 2023.
- SM asked when works will commence due to minimal work completed over the last 5 years. GM confirmed that he agrees minimal work has been completed with the aim for the dedicated resource to commence works early next year.

### **Vertebrate Pest Management 2022**

*Refer to presentation*

- GM advised several control programs completed in 2022 at MTW and in the Biodiversity areas with works ongoing.
- General discussion about vertebrate pests increase sightings locally of dog, foxes and pigs. GM confirmed MTW continues to coordinate vertebrate pest programs with Local Land Services.

### **Weed Management 2022**

*Refer to presentation*

- IH asked if he could speak to MTW's land management contractor to find out what herbicide they are using to control African Lovegrass

**Action 4: MTW provide opportunity for IH to talk to MTW land management contractors regarding herbicides used for different weeds including African Lovegrass.**



## **Northern and Southern Biodiversity Area (BA) Planting Program 2021**

*Refer to presentation*

- GM provided overview of the Northern BA planting program, which includes transportation of Warkworth Sands Woodland topsoil from ahead of mining areas to the Northern BA, and planting of approximately 10,000 plants in 2022. Wet weather has delayed this work impacting haulage of the Warkworth sands.

## **Cultural Heritage**

*Refer to presentation*

- GM provided overview of the approval of the conservation agreements for Wollombi Brook Aboriginal Cultural Heritage Conservation Area and the Loders Creek Aboriginal Cultural Heritage Conservation Area. This is a significant milestone for MTW's EIS commitments and development consent condition. Heritage NSW advise these are the first cultural heritage conservation agreements signed under the NPW Act.
- GM advised under the conservation agreements no open cut or underground mining is permitted, with the exception that the section located within Wambo underground mining lease will allow underground mining due to Wambo's underground mining being approved prior to conservation agreement.
- DM asked if any mining related activities such as a tunnel would be allowed within the conservation area. GM and SO both advised that no mining related activities will be permitted in the conservation area (outside of Wambo underground mining activities).
- SM has a question regarding biodiversity area's located within the conservation area. GM provided a brief overview and offered to catch up with SM outside the CCC meeting for any further clarifications.
- IH – Asked if there is a reason the conservation area west of mining is shaped. GM advised that may be due to potential coal resource within the mining leases and that the conservation area was likely designed around the possible resource that could be subject of a future application outside of the conservation area.

## **Department of Planning and Environment**

- SO thanked the CCC members for the invitation to attend the meeting, and explained the roles of the DPE for resource assessments, post approvals and compliance.
- SO offered that DPE contact details can be provided to CCC members to contact them with any questions or concerns.
- DM expressed concerns about the height of dumps that are approved and the impact on the community due to visual and lighting.
- SM asked if there is someone he can contact at the department regarding questions interpreting consent conditions. JF advised GM will provide his contact details.
- NH discussed his view that there should be a holistic view for cultural heritage for the region and thinks there should be one document providing all details between all the mines in the area. GM advised the information is provided in the suite of Management Plans to manage meets the requirements of the development consent, but not in a single document. SO advised that heritage is complex in nature and there is no consent requirement to have one document that he was describing for all uses, there are already management plans required for individual operators to manage their lands.

***Action 5: MTW to provide contact details for DPE Sydney office for any relevant enquiries from CCC***

## **Business Papers**

Business papers were provided to CCC members prior to the meeting, including a summary of; Complaints, Incidents, Environmental Monitoring, Rehabilitation, Website Uploads and Community Investment Update. MTW Monthly Environmental Monitoring Report (MEMR) for June 2022, July 2022 and August 2022 were provided. September MEMR to be provided at a later date.

## **Management Plans / Reporting**

- 2021 Annual Review was approved by DPE 10 October 2022 – available on MTW website.

## **8. OTHER AGENDA ITEMS**

- Noise - IH requested specific noise item be included in Agenda. The emailed enquiry and MTW's response was included in the presentation.
- IH provided an overview of concerns with the increase in noise with mining operations working at ground level and asked if there was an option to limit operation to in the pit at nighttime. DB provided an overview of the current operation working on the upper passes of west pit as the mine advances west. DB advised it is not feasible to limit operation on upper benches to day time only, ideally operations would operate spread throughout the site. Impacts are managed when they are close to or above the limit with operations modified to operate compliant.
- DM agreed with IH and noise is becoming more noticeable during the daytime. GM advised operations are looking at how equipment is started back up in daytime operations after period of night downtime as raised by SM at previous meeting. GM also advised that new equipment has been purchased that will allow the community response officers to measure the low frequency noise level that has caused the exceedances this year due to the addition of the modifying factor.

## **9. GENERAL BUSINESS**

### **General Business MTW - Community Support Program (CSP)**

*Refer to presentation*

- Organizations being supported in 2022 were provided in the presentation. GM advised the 2023 Community Support Program advertising occurred over September-October 2022 with applications closing 4 November 2022.

### **General Business - CCC Members**

- BB thanked GM for the invitation to attend the Upper Hunter Mining Dialog and provided an overview of the meeting to the group.
- TS advised she was approached by members of the Bulga community with a letter raising concern regarding the Bulga Village commercial area with a request to advise the CCC meeting. TS advised that the written concerns were provided to MTW, that GM had provided a response, and GM had offered to meet with those that provided the concerns, which has been received well by the community members. Upon request from BB, GM advised the content included enquiry about the Bulga service station renovation and operations of the service station and tavern. GM gave a brief overview of the process for the service station infrastructure assessments and future renovations. CG suggested that the letter and response be shared with CCC members.

**Action 6: MTW to provide CCC members with the community letter provided to TS and MTW's response.**

- DM relayed an interaction with a local landholder about ownership and indicated difficulty in understanding land ownership from mapping previously provided, and also requested GM to meet up to explain noise measurements in Monthly Monitoring Reports.

**Action 7: GM to meet up with DM to explain measurements in Monthly Monitoring Reports, and also to discuss a land ownership enquiry.**

- DM explained that community members are finding it hard to track changes to management plans and suggested a document where this is listed. GM advised all management plans include updates in a revision table and which parties are consulted, this information is already recorded in each management plan.
- SM questions regarding noise measurements when low frequency penalties are applied to noise measurements. GM provided a brief overview of modifying factors for low frequencies and that they vary as described in the *Noise Policy for Industry*, and offered to meet up with SM if he would like. SM also queried about weather conditions in relation to noise measurement. GM advised that noise limits only apply under certain weather conditions under the consent. Regardless of this, our own Community Response Officer noise readings manage our operations to the noise limits, and feedback based on measured levels.
- SM asked about if there was any update with the underground project. GM / DB advised a decision has not been made with the project still at feasibility assessment.
- SM asked how long the current consent allows mining. GM advised until 2037.

## **10.NEXT MEETING**

CG thanked DPE for attending the CCC meeting, indicating it has been valuable for the CCC. CG wished CCC members a Merry Christmas and Happy New Year.

Next CCC Meeting: Wednesday 22 February 2023, 2pm

**MEETING CLOSED 3:50pm.**

## **SUMMARY OF ACTIONS**

**Action 1: Community Newsletter to be distributed within one month of CCC meeting**

**Action 2: MTW to follow up on the requirements of the red light on the communications tower.**

**Action 3: GM to follow with Denis the reference to noise assessments being averaged.**

**Action 4: MTW provide opportunity for IH to talk to MTW land management contractors regarding herbicides used for different weeds including African Lovegrass.**

**Action 5: MTW to provide contact details for DPE Sydney office for any relevant enquiries from CCC**

**Action 6: MTW to provide CCC members with the community letter provided to TS and MTW's response.**

**Action 7: GM to meet up with DM to explain measurements in Monthly Monitoring Reports, and also to discuss a land ownership enquiry.**





# Mount Thorley Warkworth (MTW)

Community Consultative  
Committee (CCC)

Wednesday 23 November 2022

Time:

2pm – 4pm

Location:

MTW Boardroom

Independent Chairperson:

Col Gellatly

Minutes:

MTW

Reaching new horizons together



# Agenda

1. Welcome (Col)
2. Apologies (Col)
3. Declaration of pecuniary interests / conflicts of interest (Col)
4. Business Arising (Col)
5. Correspondence (Col)
6. Confirmation of the previous meeting's minutes (Col)
7. Proponent reports and overview of activities
  - Progress of the project, environmental monitoring and performance, community complaints
8. Other agenda items
9. General business
10. Next meeting



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# Apologies

Apologies – Hollee Jenkins

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# 3. Declaration of pecuniary interests / conflicts of interest

## ***All members must declare interests.***

These declarations should include any pecuniary or other interest (including any payment, gift or benefit) intended or likely to influence - or that could be reasonably perceived by an impartial observer as intended or likely to influence - the member to:

- act in a particular way (including making a particular decision)
- fail to act in a particular circumstance
- otherwise deviate from the proper exercise of their duty as a member.

Examples of pecuniary or other interests include holding shares in an entity carrying out the project, holding a private contract with the proponent, holding voluntary acquisition or mitigation rights under the proponent's consent, or receiving sitting fees or payments of personal expenses from the proponent; and if the member represents a stakeholder group, if the stakeholder group has received funding or a grant from the proponent.

**Source:** *Community consultative committees Guidelines (State Significant Projects), January 2019.*

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# 4. Business Arising

Action No.	Action	Response/ Update
1	MTW to provide opportunity to Denis to explain how CRO noise measurements are completed.	Completed. GM met with DM on 15/8/22.
2	Community Newsletter to be distributed within one month of CCC meeting.	Drafted - not finalised. Relevant updates from this CCC meeting will be added to newsletter and distributed within one month of CCC meeting.
3	MTW to prepare clearer mapping of the overlying boundaries of the Southern Biodiversity Area and the Wollombi Brook Aboriginal Cultural Heritage Conservation area.	Completed. Update in presentation.
4	MTW to review format of complaints register and how that information is presented.	Complaints format reviewed against other published complaints registers. Opportunity to change complaints register to be similar to other formats. Timing to align with MEMR's.
5	MTW to advise which development consent has been formally surrendered, and which one still to be formally surrendered.	MTO - The MTO development consent DA 34/95, and historical development consents dated 5 March 2981 and 12 January 1983 were formally surrendered by DPE on 13 June 2019. WML – in progress. Application to surrender DA 300-9-2002-i was submitted to DPE 26 June 2017, and additional information on 4 June 2019. Further information required from WML to complete surrender, per DPE letter July 2021.

# 4. Business Arising

Action No.	Action	Response/ Update
6	MTW to gain further details from DM to allow further investigation on the pump in question with the Yancoal property team.	Completed. GM met with DM on 15/8/22. General location of pump provided by DM (which is on a rural property adjacent Wollombi Brook). GM advised that rural properties may have pumps and MTW does not draw water from the Wollombi Brook for operations.
7	MTW to investigate and respond to BB enquiry regarding interview with social impact assessment consultant.	Interview notes sent to BB 7/10/2022.
8	MTW to invite DPE to next CCC meeting, and to provide them with brief details of items of interest regarding DPE that have been discussed at this meeting.	Completed, and DPE accepted invitation. DPE's Joe Fittell, Steven O'Donoghue and Sarah Clibborn to attend Q4 meeting. CCC minutes and items of interest discussed in recent CCC were provided.

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# 5. Correspondence

- 9/10/2022 – Chair circulated correspondence from DPE regarding draft CCC guidelines for review / comment
- 11/10/2022 - MTW CCC Meeting 16 August 2022 - Draft minutes
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# MTW Operations

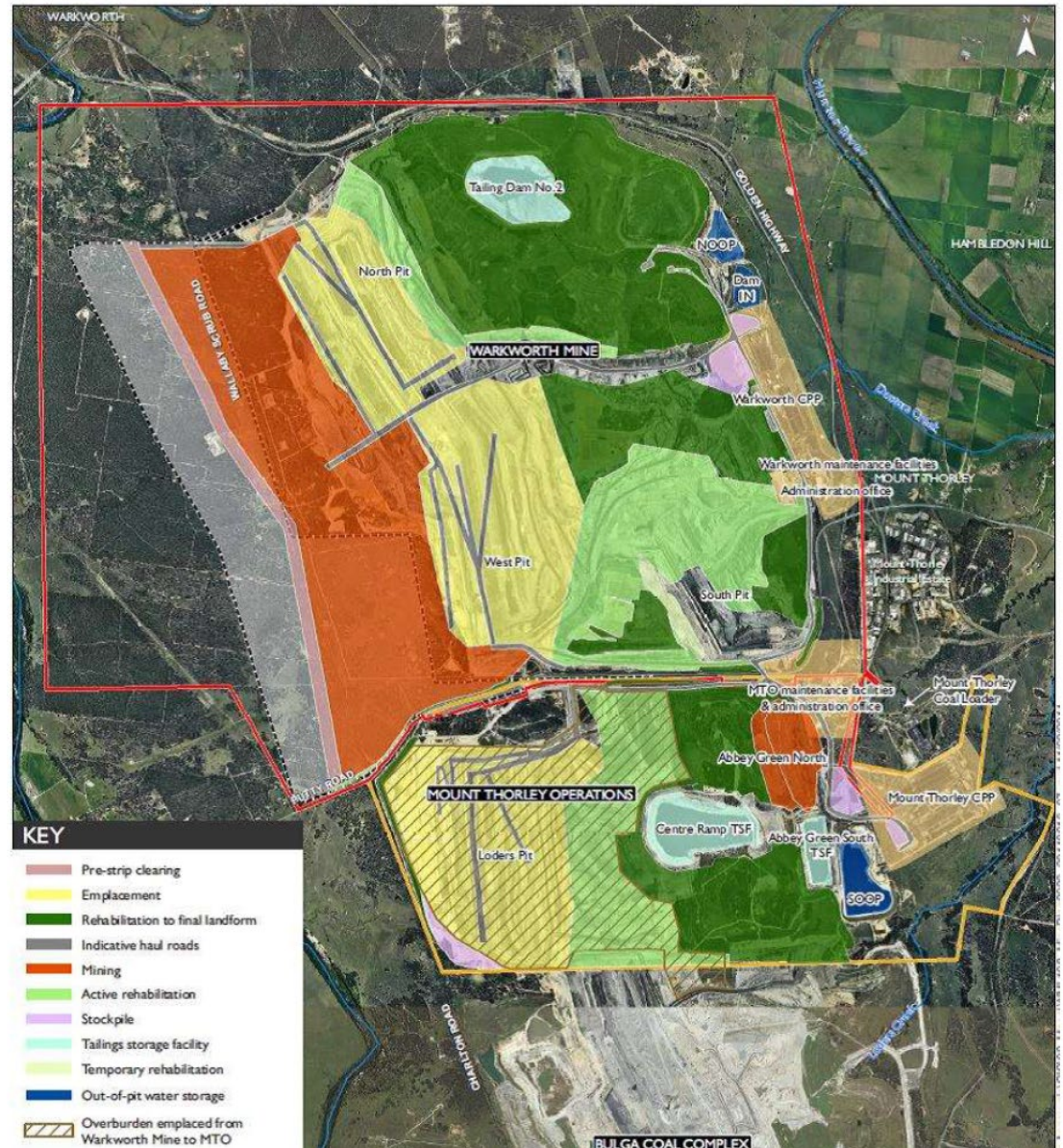
- MTO: Coal production ceased at MTO in early 2021. Load and haul waste will continue to be dumped in the pit from the WML.
- WML: DL103 has been working in the lower passes of North Pit while DL 101 is working in the lower passes of West Pit respectively
- WML: Normal load and haul operations have continued, some interruption to planned activity with rainfall in August (50mm) September (68mm) and October (123mm).
- Coal processing and train loading normal operations.
- MTO: Licenced Hunter River Salinity Trading Scheme (HRSTS) discharge operations occurred in September-November 2022 with over **5.3 GL water discharged** from the Dam 9S MTO licenced discharge point 2022 YTD.



# MTW Operations – NOOP Dam

NOOP is an approved dam in Warkworth Continuation Project development consent SSD-6464 and will provide improved water security / balance position at MTW.

- North Out of Pit (NOOP) Dam main excavation with mining excavator commenced mid February 2022.
- Blasting activities expected to commence Q4 2022 / Q1 2023.





# MTW Operations – NOOP Dam

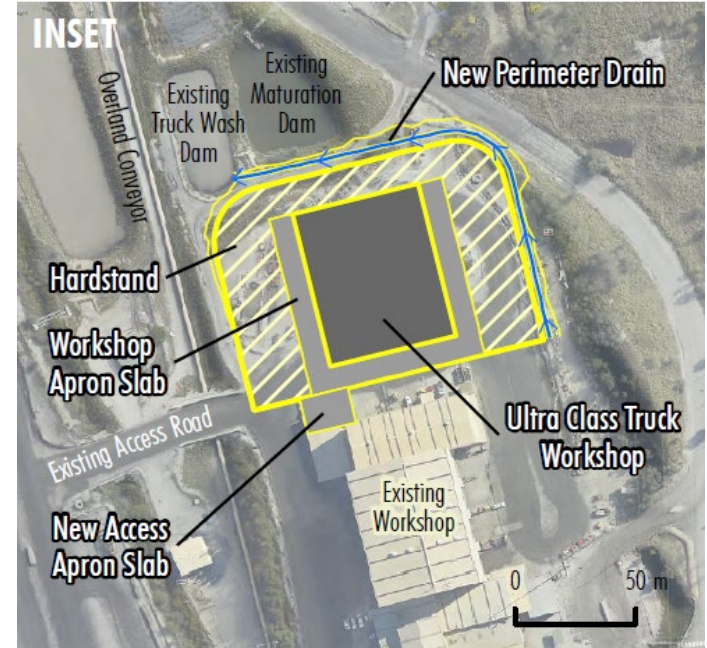
Construction progress 16 November 2022:





# WML Ultra Class Workshop

- The Warkworth Consent modification permits an extension to the existing workshop to service and house Ultra Class Trucks
- Construction commenced November 2022.





# Communications Tower – Charlton Ridge



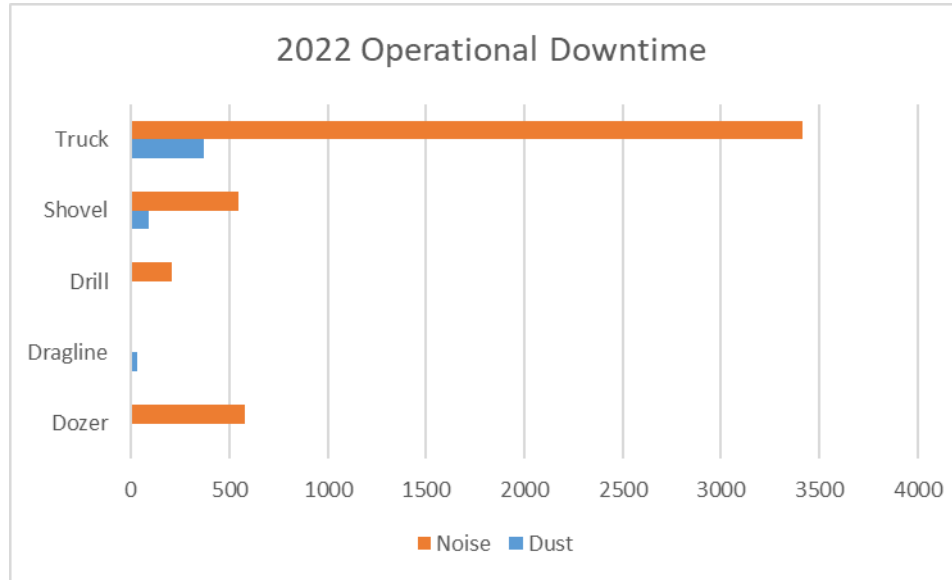
- Complying Development was approved 17 March 2022 for 50m communications tower
- Located within approved/historical disturbance area on Charlton Ridge adjacent existing towers.
- Construction completed September 2022.
- A red flashing light is visible atop the tower per CASA regulations for tall structures.
- Tower provides LTE network (Long Term Evolution) – wireless broadband comms for MTW

# Exploration

- All exploration sites for 2022 and 2023 are on Yancoal owned land, and mining and exploration tenements.
- The 2022 exploration program will be complete by the end of November.
- The 2023 exploration program is expected to start in February and will be located within the yellow area in the figure.



# MTW Operations



MTW CRO Noise Monitoring YTD			
	# CRO Assessments	# Individual assessment above trigger	# Nights above trigger
2022 (YTD)	6087	96	29
2021	7043	106	46
2020	7510	72	42
2019	8023	93	45



# MTW Operations – Rehabilitation/ Disturbance 2022

Rehabilitation reforecast for 2022 - 35Ha seeded (shown in red).

- 50.0Ha rehab areas have passed the “Bulk Shaped” status. 29.2Ha of this area is in the “Ready to Seed” or “Seeded” status.

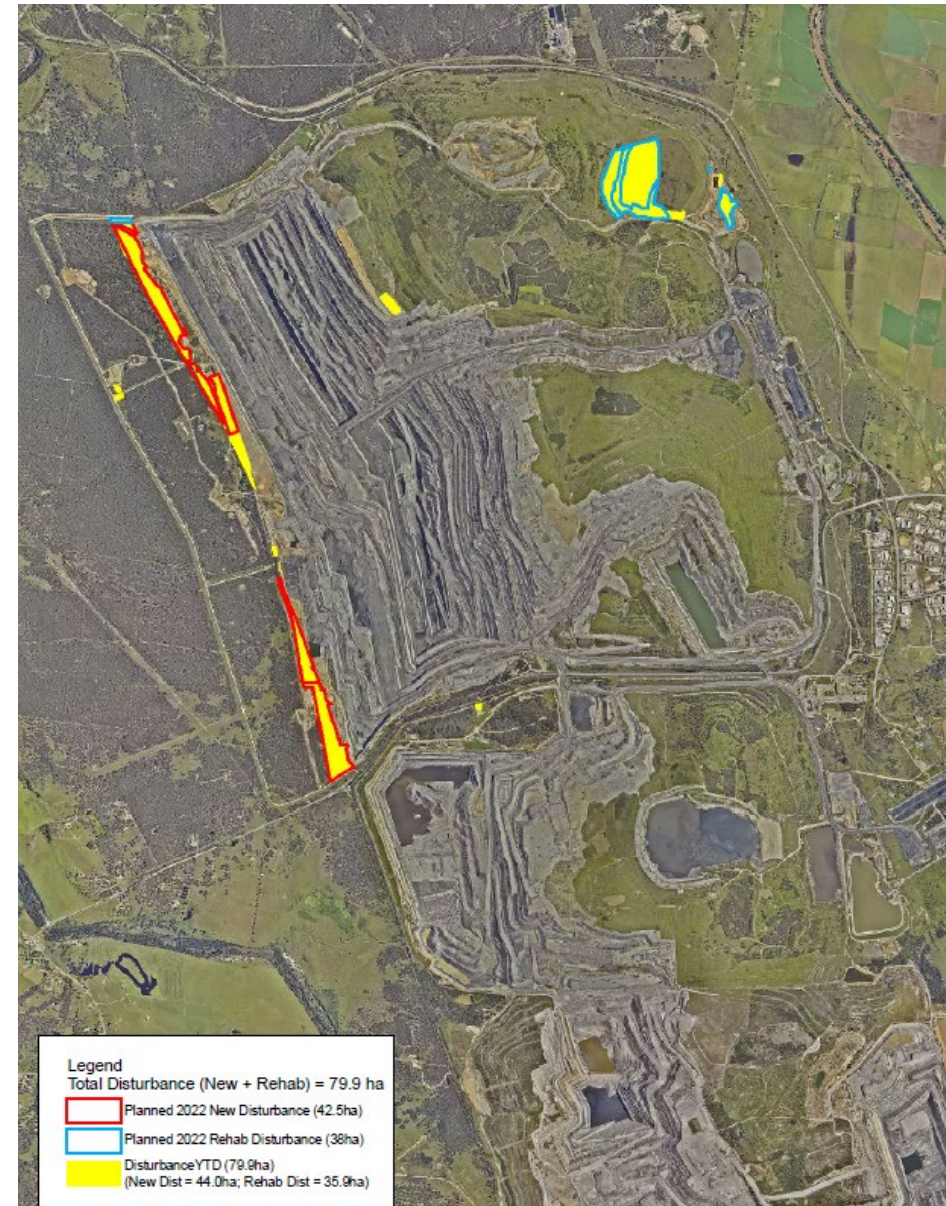




# MTW Operations – Rehabilitation/ Disturbance 2022

Disturbance forecast for 2022 – 80.5Ha (New Disturbance and Rehab Disturbance shown in red and blue polygons respectively. Includes 38ha of rehab disturbance associated with NOOP construction and Tailings Dam 1 dump area)

- Progress to end of October 2022:
  - Disturbed = 79.9ha



# MTW Historic Heritage Management - Actions

Historic Heritage Items	Status
Coordinate lawn maintenance across HH sites	<b>Ongoing</b> Contractor engaged to undertake ongoing quarterly maintenance.
RAAF Mess Hall track maintenance and repairs	<b>In Progress</b> Ground Disturbance Permit approved, awaiting dry ground for machinery to fix access track. Arborist quote received for sensitive removal of trees causing damage to building.
Arrange for asbestos to be removed from Red Brick House and RAAF Mess Hall area.	<b>Quotes Received</b> Works to be scheduled for completion in 2023 – dependant on above item.
Obtain quotes for tree removal at Springwood and RAAF	<b>Quotes Received</b> Works to be scheduled for completed in 2023. Awaiting dry ground for machinery to fix access track.
Obtain quotes for Red Brick – door and window plywood replacement and minor roof repairs.	<b>Works completed in March 2022.</b> Works to be scheduled for completed in 2023.
Obtain quotes for Red Brick – minor brickwork repairs.	<b>Trial of lime mortar completed in March 2022.</b> Lime mortar repair works have been in place for several months, repairs to be inspected if any follow up works are required.
Historic Heritage Annual Inspection	Inspection scheduled for 5 December 2022. CHAG invited to attend.





# MTW Vertebrate Pest Management

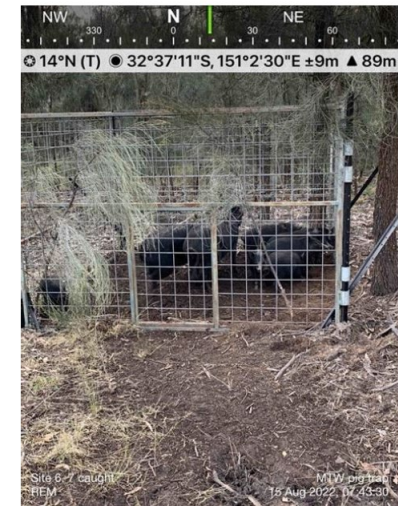
## 2022 programs undertaken YTD:

- Thermal ground shoot at the Putty and Condon View Biodiversity Areas: February
- Aerial shoot (NPWS) at the Goulburn River and Seven Oaks Biodiversity Areas: February and March
- Feral pig thermal ground shooting program at the Goulburn River Biodiversity Area: April
- 1080 ground baiting programmes targeting wild dogs and foxes at MTW and all Biodiversity Areas in May/June and October/November
- Feral pig trapping at MTW: August
- Noisy Miner program at the Goulburn River and Bowditch Biodiversity Areas: August
- Thermal ground shoot at the Goulburn River Biodiversity Area: August
- Kangaroo management at MTW

## The following 2022 programs have been scheduled:

- Professional Wild Dog Controller Program
- Feral cat trapping as required
- Noisy Miner program at the Bowditch Biodiversity Areas: December
- Thermal ground shoot at the Biodiversity Areas: December
- Additional programs as required

The 2022 vertebrate pest programs will be coordinated with LLS and other large landholders in the area so programs are able to be undertaken at the same time across the broader Hunter Valley area.





# MTW Weed Management

## Weeds targeted in MTW operational areas included:

- African Lovegrass (*Eragrostis curvula*)
- African Olive (*Olea europaea ssp. Cuspidata*)
- Castor oil plant (*Ricinus communis*)
- Galenia (*Galenia pubescens*)
- Golden wreath wattle (*Acacia saligna*)
- Groundsel Bush (*Baccharis halimifolia*)
- Lantana (*Lantana Camara*)
- Mother of millions (*Bryophyllum delagoense*)
- Mustard weed (*Sisymbrium officinale*)
- Opuntia (Pear) species (Tiger, Prickly and Creeping Pear)
- Paddy's Lucerne (*Sida rhombifolia*)
- Purple Top (*Verbena bonariensis*)
- Rhodes Grass (*Chloris gayana* )
- Saligna (*Acacia saligna*)
- St John's wort (*Hypericum perforatum*)



Acacia saligna control



Cut and paint method conducted targeting Groundsel Bush



Low volume spraying conducted targeting Prickly pear



Low volume splatter mix conducted targeting Galenia



# MTW BA Weed Management

## Weeds targeted in the Southern and Northern Biodiversity Area included:

- African Boxthorn (*Lycium ferocissimum*)
- African Love Grass (*Eragrostis curvula*)
- African Olive (*Olea europaea*)
- Balloon vine (*Cardiospermum grandiflorum*)
- Blue Heliotrope (*Heliotropium amplexicaule*)
- Brazilian Nightshade (*Solanum seaforthianum*)
- Bridal Creeper (*Asparagus asparagoides*)
- Cats Claw Creeper (*Dolichandra unguis-cati*)
- Coolatai Grass (*Hyperrahnia hirta*)
- Fire Weed (*Senecio madagascariensis*)
- Green Cestrum (*Cestrum parqui*)
- Honey Locust (*Robinia pseudoacacia*)
- Kikuyu Grass (*Pennisetum clandestinum*)
- Lantana (*Lantana camara*)
- Moth Vine (*Araujia sericifera*)
- Mother of Millions (*Bryophyllum delagonese*)
- Prickly Pear (*Opuntia stricta*)
- QLD Silver Wattle (*Acacia podalyriifolia*)
- Telegraph Weed (*Heterotheca grandiflora*)
- Tree of Heaven (*Ailanthus altissima*)
- Turkey Rhubarb (*Rumex sagittatus*)
- Whiskey Grass



Low volume spraying conducted targeting Galenia in SBA3



Cut and painted Honey Locust in SBA4



Low volume spraying conducted targeting African Love Grass in NBA



Cut and paint method conducted targeting African Olive in NBA



# MTW Southern BA Planting Program

## Warkworth Sands Woodland (WSW) 2022 program:

- Slashing of the 2022 planting area.
- Weed control of planting areas.
- Propagation of WSW plants.
- Planting of approximately 2,600 WSW plants.



Weed control in SBA1 planting area



Planting WSW in SBA1



WSW tubestock



# MTW Northern BA Planting Program

## Warkworth Sands Woodland (WSW) 2022 program :

- Access track repairs – negotiations on work scope delayed program
- Sand stockpile pad construction
- Slashing of the 2022 planting area.
- Weed control of planting areas.
- Transportation and spreading of WSW sand from ahead of mining at MTW.
- Seeding of sand strips with native grass mix.
- Propagation of WSW plants.
- Planting of approximately 10,000 WSW plants (will extend into 2023).



Damaged tree guards were removed and replaced with new ones



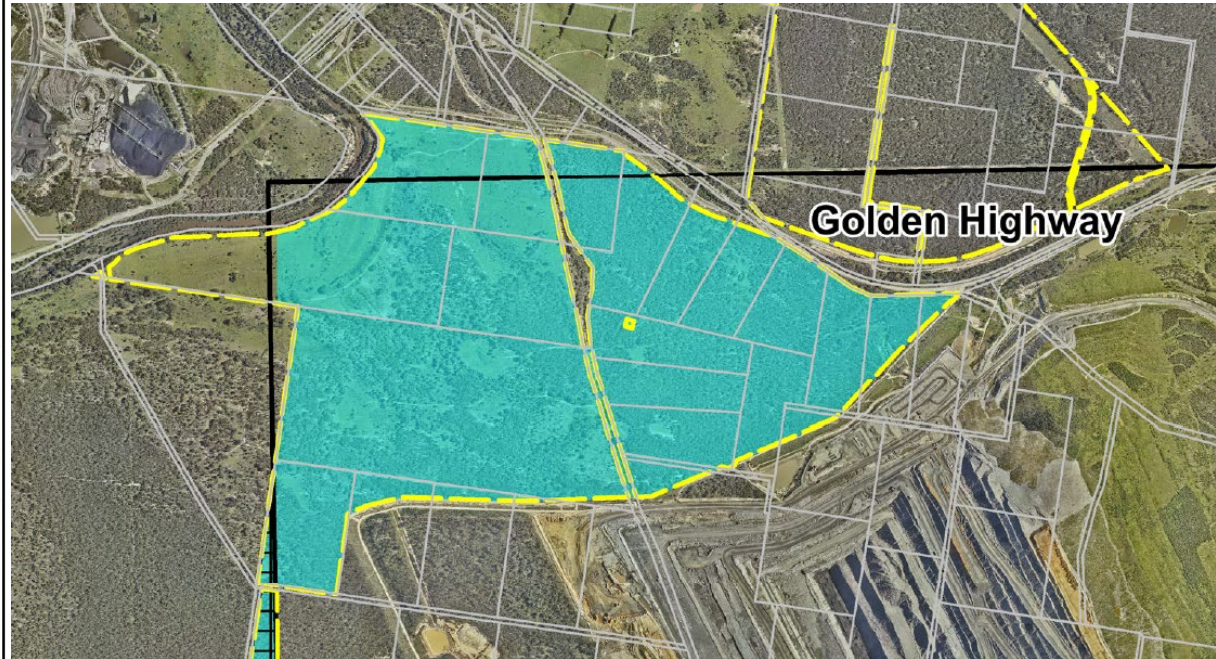
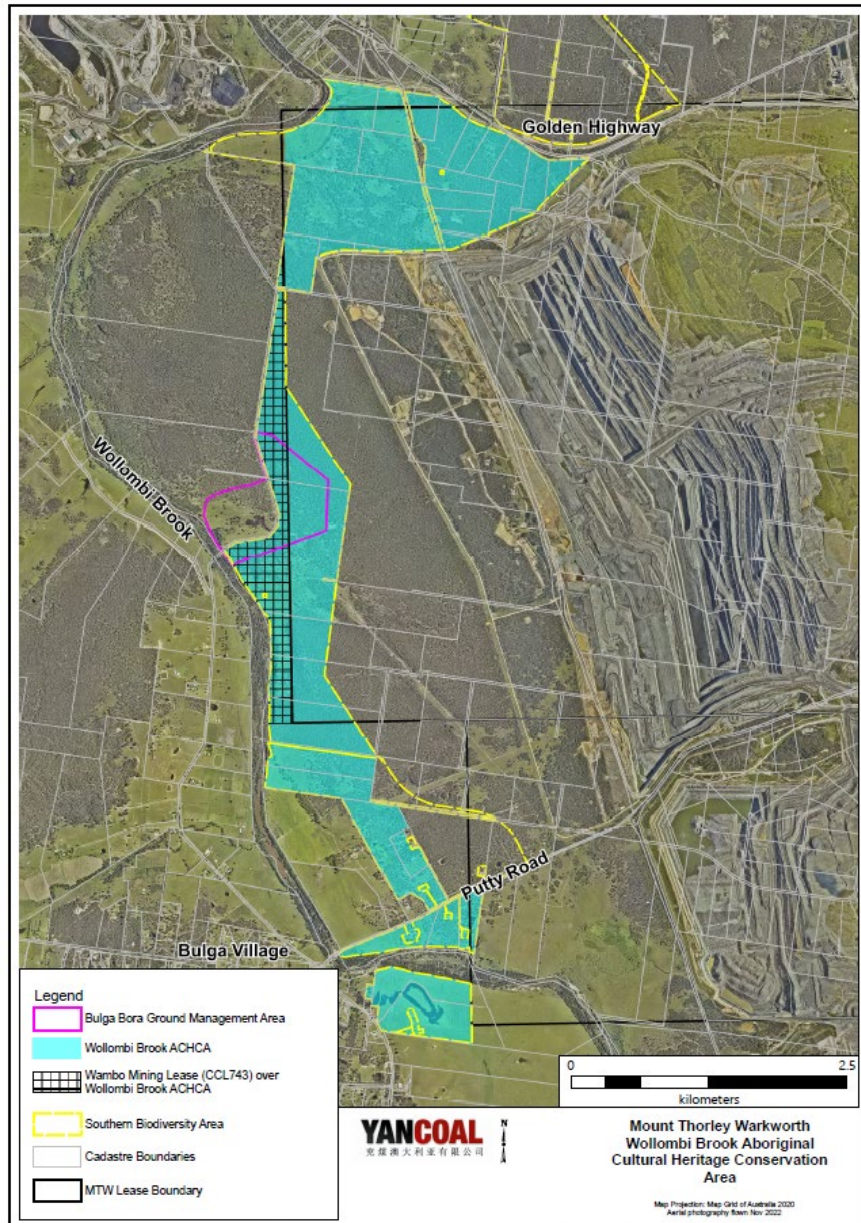
Weed control in the 2022 planting areas in preparation for topsoil spreading





# MTW Cultural Heritage – Conservation Areas

Cultural Heritage Items	Status
WBACHCA and Loder Creek (LCACHCA) conservation agreement progression	<p><b>Conservation Agreements for:</b></p> <ul style="list-style-type: none"> <li>-Wollombi Brook Aboriginal Cultural Heritage Conservation Area</li> <li>-Loders Creek Aboriginal Cultural Heritage Conservation Area</li> </ul> <p><b>Were signed under delegation of the Minister for Environment and Heritage on 3 November 2022.</b></p> <p>This is a significant milestone for MTW's EIS commitments and development consent condition. Heritage NSW advise these are the first cultural heritage conservation agreements signed under the NPW Act. Diagrams of the WBACHCA and LCACHA are provided.</p>





# MTW Cultural Heritage – Conservation Areas



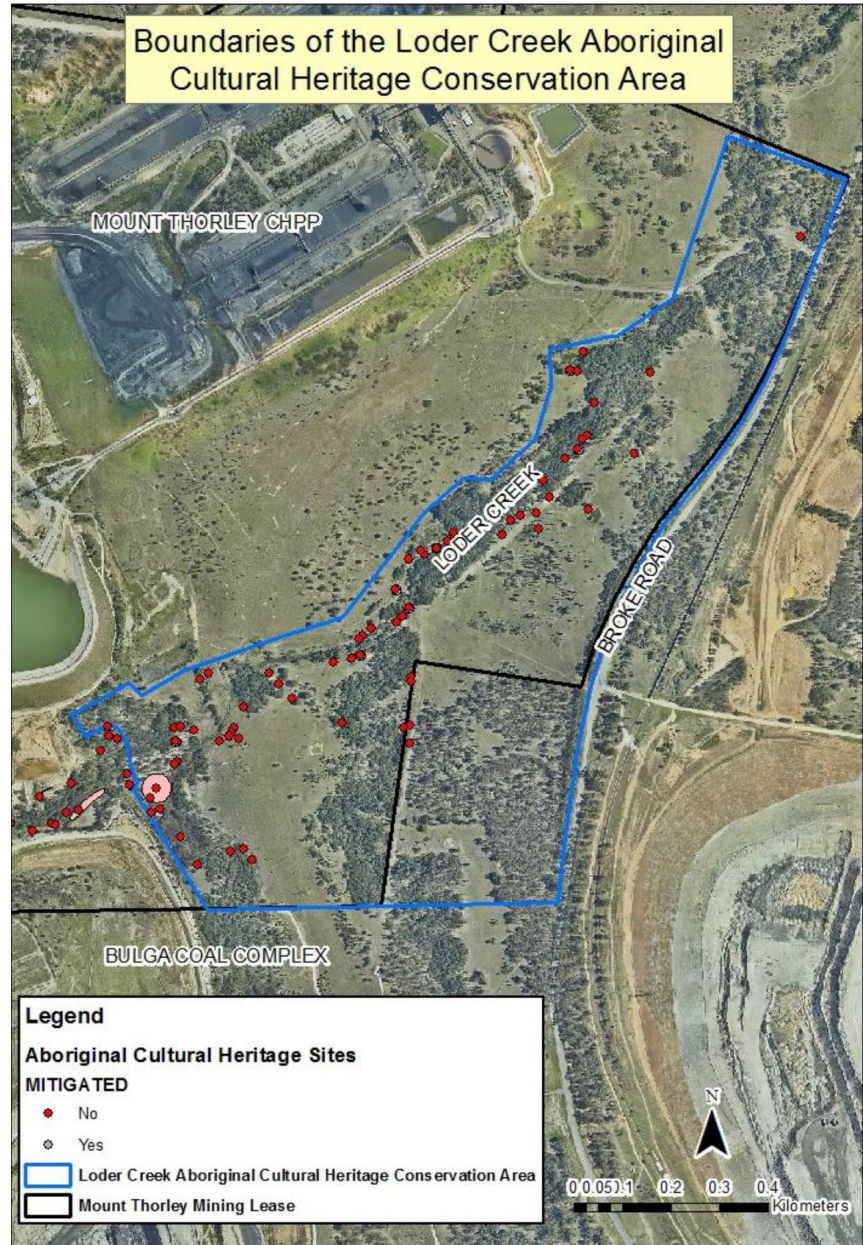


# MTW Cultural Heritage – Conservation Areas

Location of the Loder Creek Aboriginal Cultural Heritage Conservation Area



Boundaries of the Loder Creek Aboriginal Cultural Heritage Conservation Area





# MTW Cultural Heritage Management - Actions

Cultural Heritage Items	Status
Coordinate meeting of CHWG for 2022.	<p><b>Meeting held 8/8/22.</b></p> <p>At CHWG meeting it was discussed that the term (2 years) of the initial WBACHCA PMIG had expired. A call for nominations for the PMIG will be sent with the minutes of the 8/8/22 CHWG meeting.</p> <p>A further CHWG meeting will then allow selection from the nominees for the PMIG. The PMIG will also operate for the LCACHCA per the approved plan.</p>
Coordinate meeting of Wollombi Brook Aboriginal Cultural Heritage Conservation Area Plan of Management Implementation Group (WBACHCA PMIG), and Loders Creek Aboriginal Cultural Heritage Conservation Area (LCACHCA) for 2022.	Meeting to occur after next CHWG meeting where PMIG will be selected from nominees. Progress with WBACHCA and LCACHCA will continue with the new PMIG members.
Cultural Heritage Annual Inspections	Scheduled for December 2022.



Example of barricading and signage being replaced



New signs format

# MTW Operations - Business Papers

- Business papers provided to CCC prior to meeting
- Includes summary of:
  - Complaints, Incidents, Environmental Monitoring, Rehabilitation, Website Uploads, Community Investment Update
- Appendix A, B, C - MEMR for June 2022, July 2022, August 2022
- Appendix D – September 2022 MEMR to be provided at a later date.

# Management Plans / Reporting

- 2021 Annual Review was approved by DPE 10 October 2022 – available on MTW website.

# Agenda

1. Welcome (Col)
2. Apologies (Col)
3. Declaration of pecuniary interests / conflicts of interest (Col)
4. Business Arising (Col)
5. Correspondence (Col)
6. Confirmation of the previous meeting's minutes (Col)
7. Proponent reports and overview of activities
  - Progress of the project, environmental monitoring and performance, community complaints
8. Other agenda items
9. General business
10. Next meeting

# 5. Other Agenda Items

## Noise - Ian Hedley Request.

- Context from IH: Noise at night has reached unacceptable levels in Bulga. On night of 31/10/22 was considered disappointingly over the top, and despite lodging a complaint was at approx. 03:30am, noise continued at an intolerable level until daylight. Also, enquiry regarding sound attenuation on new trucks.
- Response was provided to IH on 31/10/22 by email.
  - Noise can be added as an agenda item for the next CCC meeting.
  - Detail of supplementary noise monitoring by Community Response Officers in response to complaint, and routine CRO monitoring prior to complaint was provided.
  - All heavy mining equipment is attenuated prior to commencing operations, including our new haul trucks.



# Agenda

1. Welcome (Col)
2. Apologies (Col)
3. Declaration of pecuniary interests / conflicts of interest (Col)
4. Business Arising (Col)
5. Correspondence (Col)
6. Confirmation of the previous meeting's minutes (Col)
7. Proponent reports and overview of activities
  - Progress of the project, environmental monitoring and performance, community complaints
8. Other agenda items
9. **General business**
10. Next meeting



# Community update

## Community Support Program

The Community Support Program has continued. The 2022 round of applications were advertised in September-October 2021 and closed 5 November 2021. There were 15 applications received. The following organisations are being supported in 2022 through the CSP:

- University of Newcastle – Upper Hunter Science and Engineering Challenge & SMART program
- Life Education NSW - Covid Recovery – Health & Wellbeing program for children in the Singleton LGA.
- Samaritans Foundation – Diocese of Newcastle - Christmas lunch in Singleton 2022.
- Singleton Business Chamber - 2022 Singleton Business Excellence Awards
- Singleton Business Chamber – 2022 Hunter Coal Festival
- Singleton Council - 2022 Singleton Seniors Festival
- Singleton Council - Christmas on John Street 2022
- Singleton Golf Club Lady Members – Singleton Ladies Golf Open Day 2022
- Singleton Fire Brigade Social Club – Singleton Lolly Run 2022
- Singleton Rugby Club Ltd - First Aid Kit Equipment Upgrade
- Northern Agriculture Association Inc (NAA) – Singleton Show & Camp Draft 2022
- Singleton Theatrical Society - 2022 Musical – Mamma Mia

Advertising for the 2023 Community Support Program occurred over September-October 2022 with applications closing 4 November 2022.

For information please visit our website at <https://www.mtwcoal.com.au-page-community-community-support-program-> or email [mtw.csp@yancoal.com.au](mailto:mtw.csp@yancoal.com.au)



# General Business

**General Business – other?**

# Agenda

1. Welcome (Col)
2. Apologies (Col)
3. Declaration of pecuniary interests / conflicts of interest (Col)
4. Business Arising (Col)
5. Correspondence (Col)
6. Confirmation of the previous meeting's minutes (Col)
7. Proponent reports and overview of activities
  - Progress of the project, environmental monitoring and performance, community complaints
8. Other agenda items
9. General business
10. Next meeting

# Future Dates



## Next Meeting Date

**Date:** Wednesday 22 February 2023

**Time:** 2:00PM - 4:00PM

**Location:** Boardroom, North Warkworth Building





# Mount Thorley Warkworth Community Consultative Committee (CCC)

BUSINESS PAPERS November 2022

## Contents page

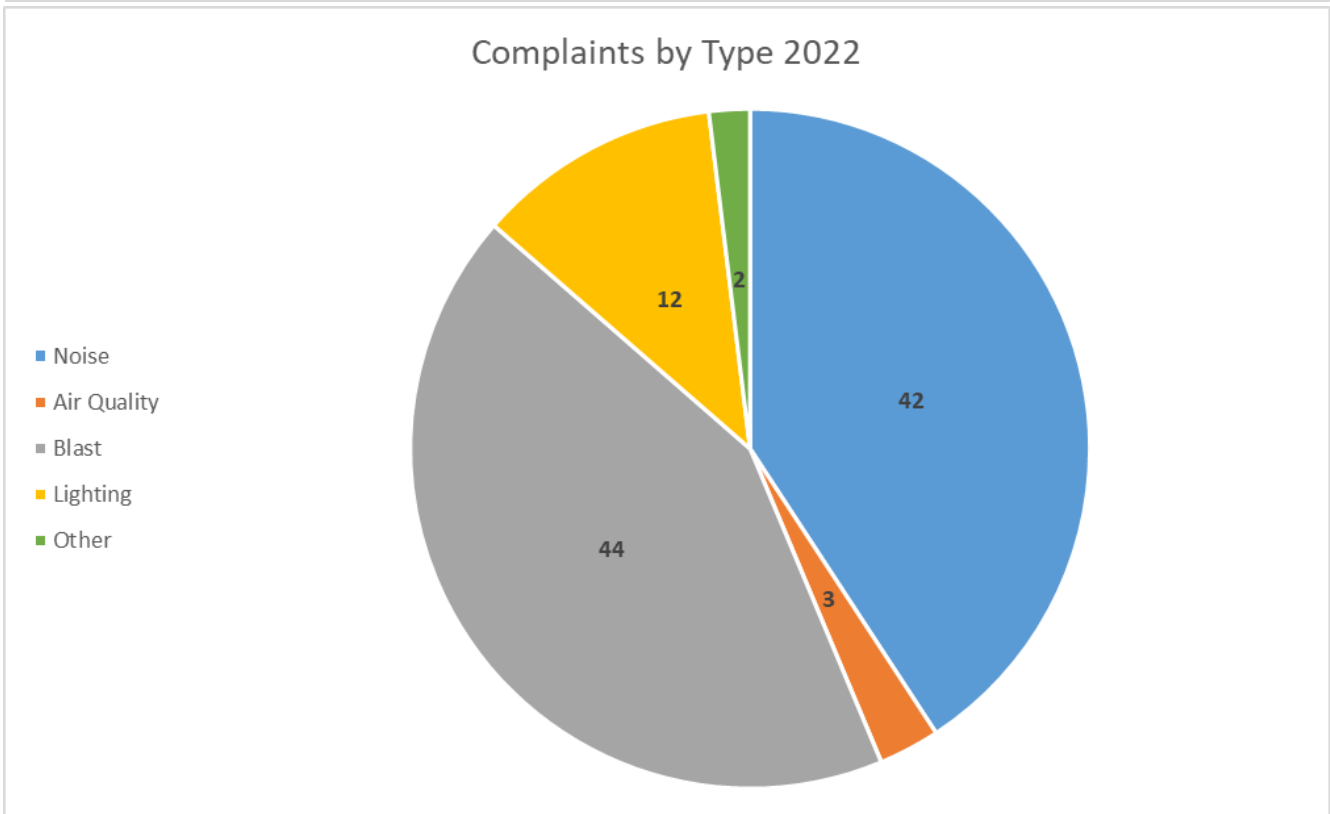
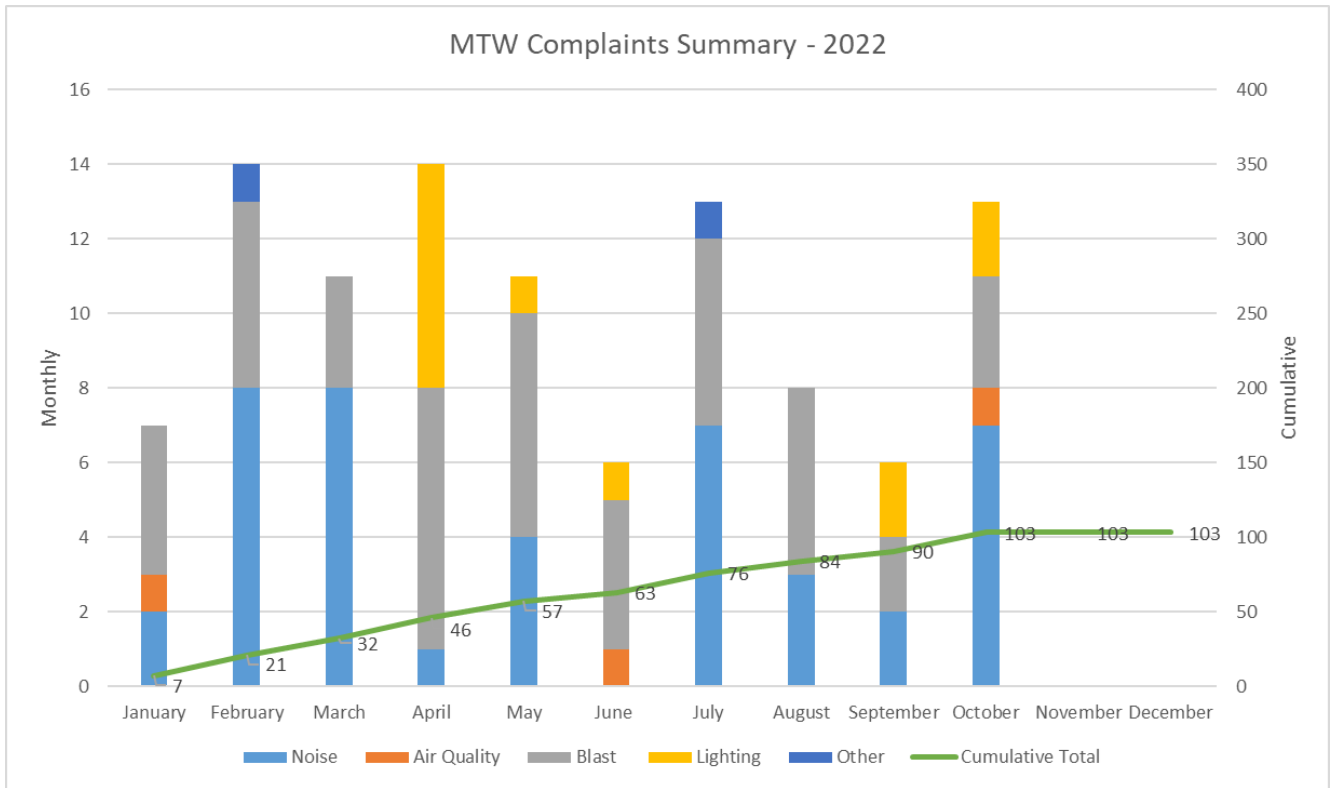
1	Complaints.....	3
2	Incidents .....	4
3	Environmental Monitoring.....	5
4	Rehabilitation Plan .....	6
5	Website Uploads .....	13
6	Yancoal Community Support Program .....	15

### Appendices

- Appendix A – Environmental Monitoring Report June 2022 (included as not provided subsequent to August 2022 CCC Meeting)
- Appendix B – Environmental Monitoring Report July 2022
- Appendix C – Environmental Monitoring Report August 2022
- Appendix D - Environmental Monitoring Report September 2022 (to be provided at a later date)

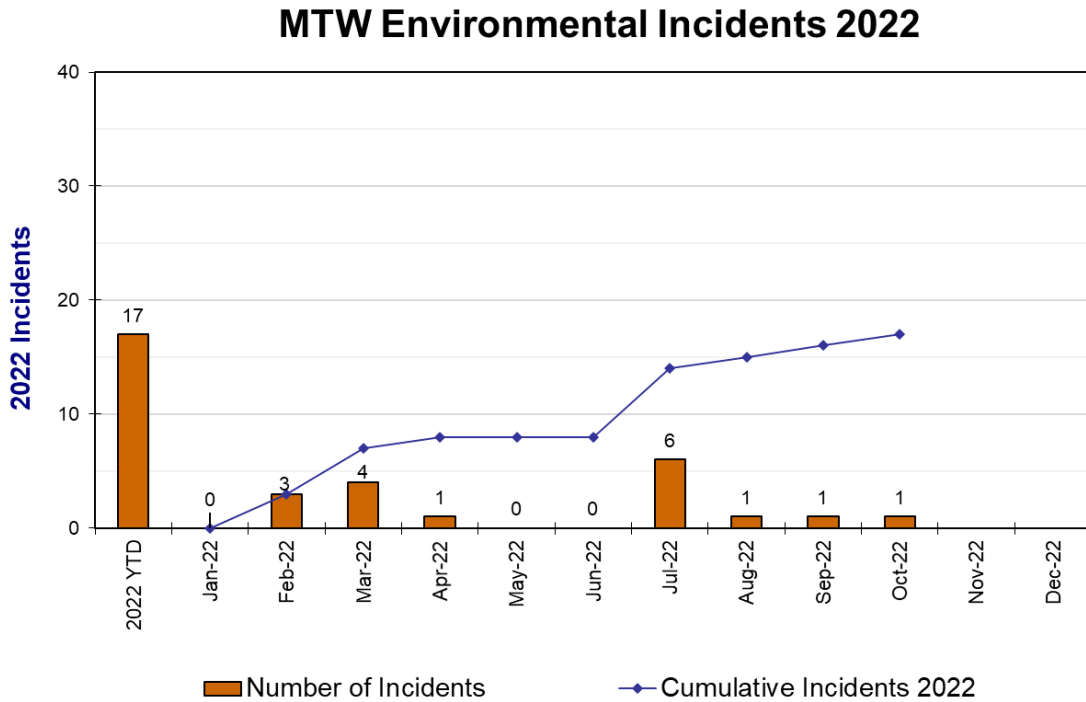
# 1 COMPLAINTS

## Complaints overview for period – 1 January 2022 to 31 October 2022



## 2 INCIDENTS

Environmental incidents overview for period – 1 January 2022 to 31 October 2021



### Incident Summary for the period 1 August 2022 to 31 October 2022

Date	Details	Key Actions	Aspect
29/8/22	Late reporting for Warkworth Mining Limited HRSTS Report 2021/22	Report provided to EPA on 14/10/2022	Reporting
14/9/22	During attended noise monitoring there was a single exceedance at the Wambo Road monitoring location for a measurement starting at 14/09/22 22:45, due to application of a 2 dB low frequency modifying factor.	DPE and residents were notified of noise exceedance. Follow up monitoring on 19/09/22 was within noise limits. DPE and residents were notified of return to limits. Investigating alternative noise monitoring equipment which would allow Community Response Officers to identify low frequency modifying factor when completing monitoring.	Noise



<b>Date</b>	<b>Details</b>	<b>Key Actions</b>	<b>Aspect</b>
8/10/22	Sediment dams 53N overtopped due to rainfall event between 7 and 9 October 2022.	Pollution Incident Response Management Plan triggered, and agencies notified including EPA, DPE and RR. Sediment dams dewatered post the rainfall event. Written report provided to EPA, DPE, RR on 14/10/22.	Water

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### 3 ENVIRONMENTAL MONITORING

#### Monthly summaries of environmental monitoring:

- **June 2022** - Attached as **Appendix A** (included as not provided subsequent to August 2022 CCC Meeting)
- **July 2022** - Attached as **Appendix B**
- **August 2022** - Attached as **Appendix C**
- **September 2022** – **Appendix D** (to be provided at a later date)

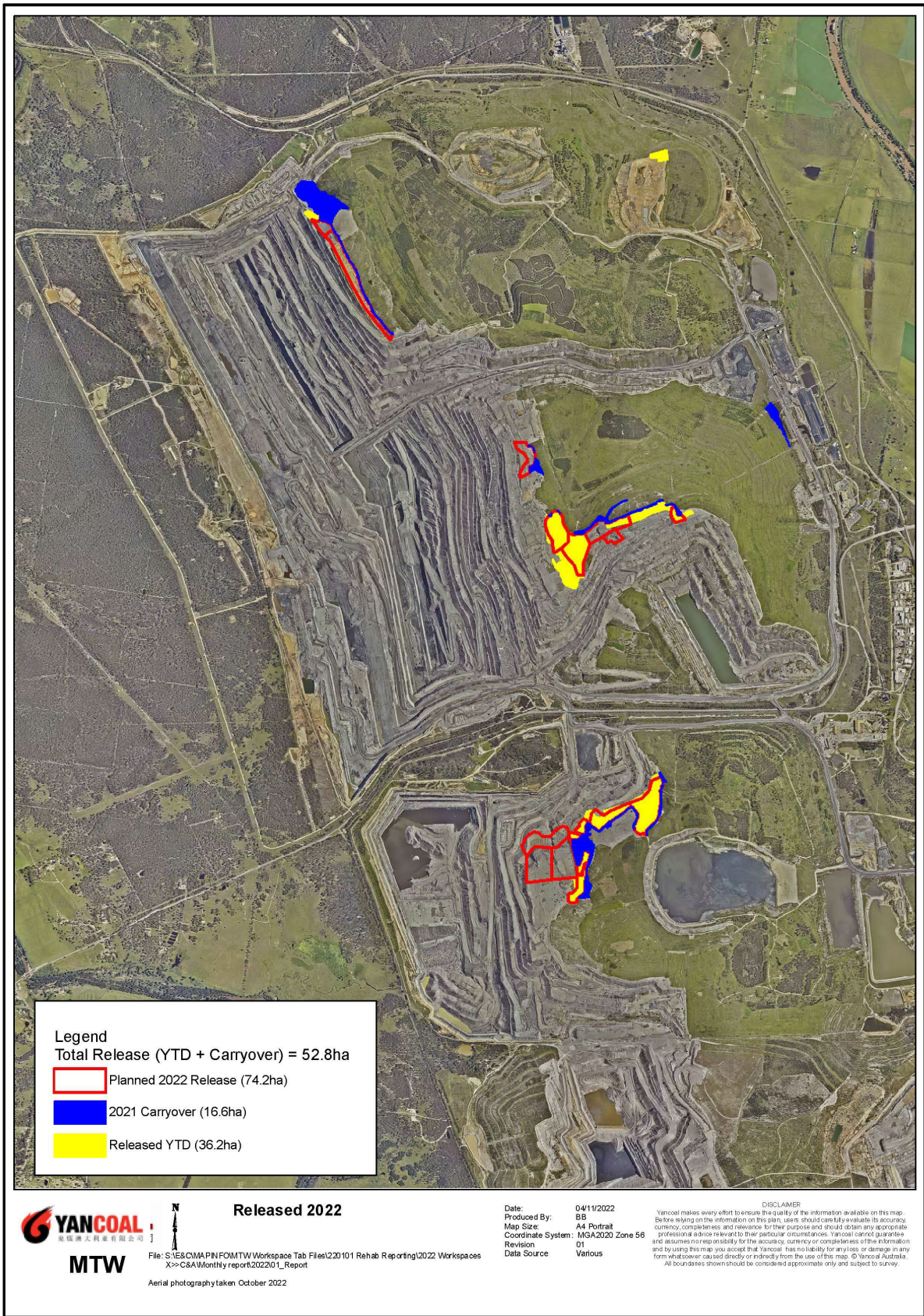
#### **4 REHABILITATION PLAN**

The rehabilitation planned for 2022 is 35ha which is consistent with the Rehabilitation Management Plan target for 2022. The planned total disturbance is 80.5ha, which includes 38ha of rehabilitation disturbance mainly associated with construction of the North Out of Pit (NOOP) Dam.

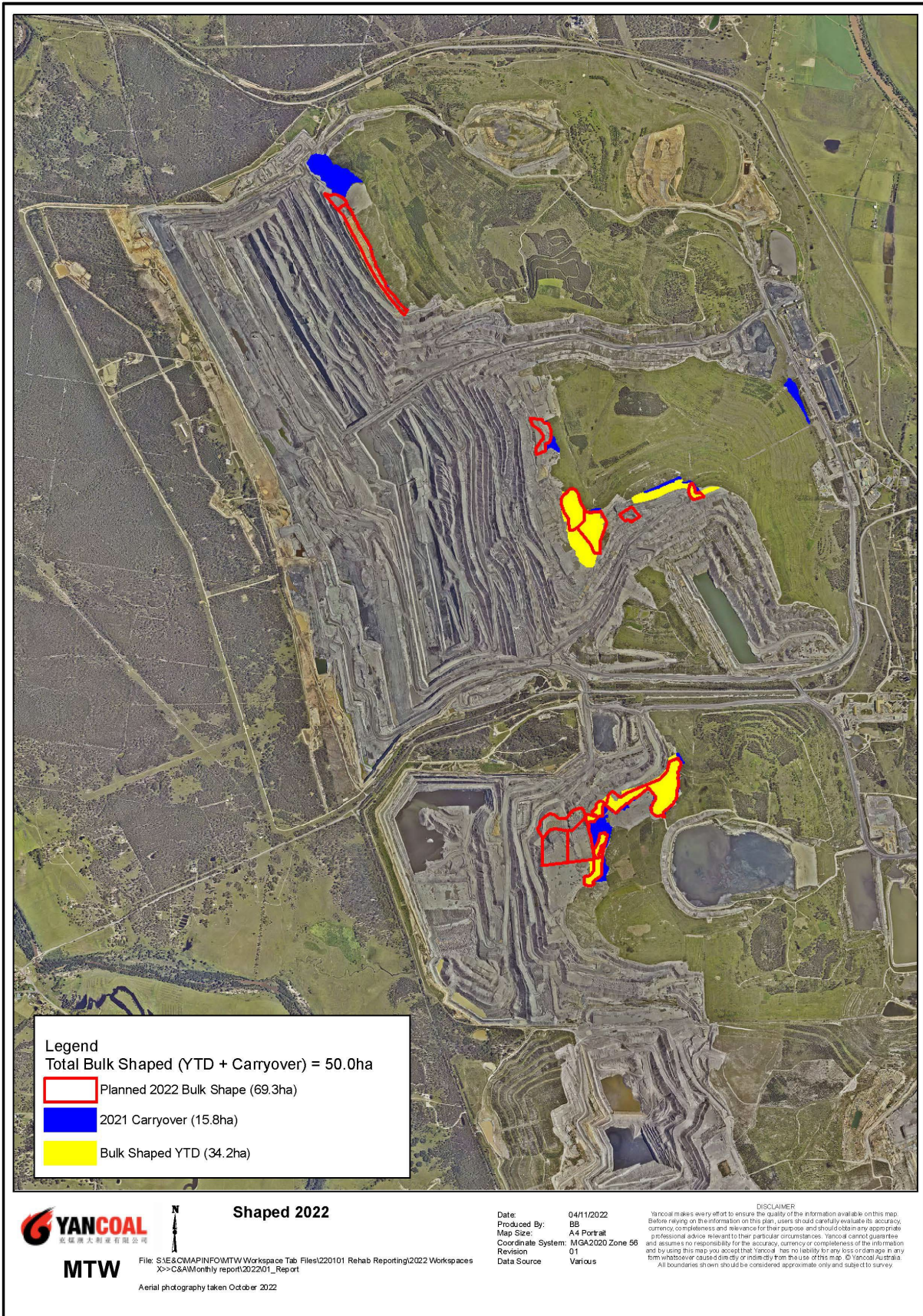
The rehabilitation and disturbance progress to the end of October 2022 are presented in the maps below. There is currently 50.0ha of rehabilitation area where bulk shaping has been completed and 29.2ha of this area has been progressed to be ready for seeding or seeded. To the end of October 16.2ha of rehabilitation had been seeded at MTW. The planned total bulk shaping amount for 2022 is 69.3ha which will allow bulk shaped areas to be carried over into 2023. The carry-over of bulk shaped areas will provide areas for early completion of rehabilitation in 2023.

Disturbance completed to the end of October was 79.9ha, 5.9ha of this was rehabilitation disturbance mainly associated with the NOOP dam construction.

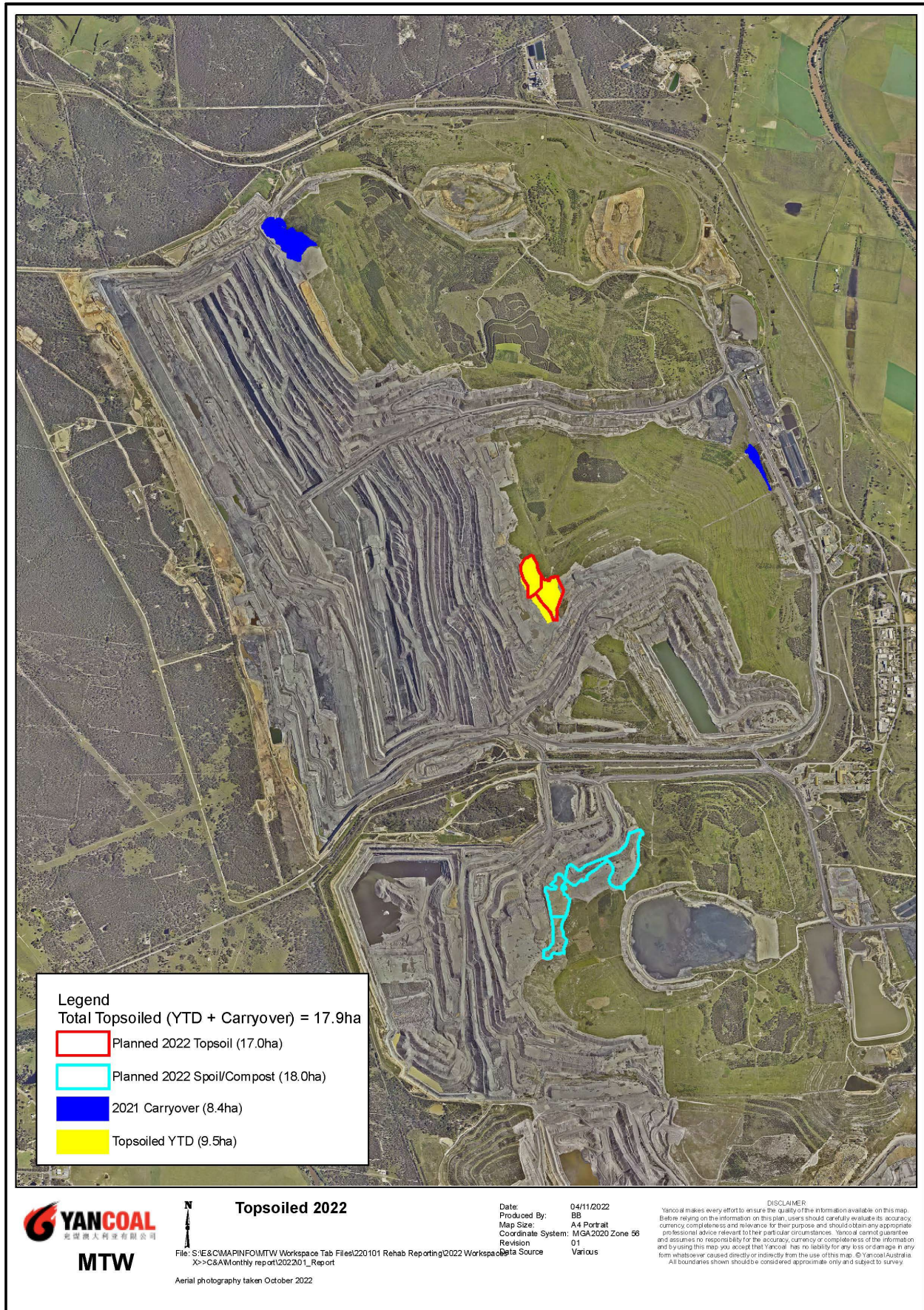
















**Legend**  
 Total Composted YTD (no 2021 Carryover) = 11.1ha

Planned 2022 Composted (18ha)

Composted YTD (11.1ha)



**Composted 2022**

Date: 04/11/2022  
 Produced By: BB  
 Map Size: A4 Portrait  
 Coordinate System: MGA2020 Zone 56  
 Revision: 01  
 Data Source: Various

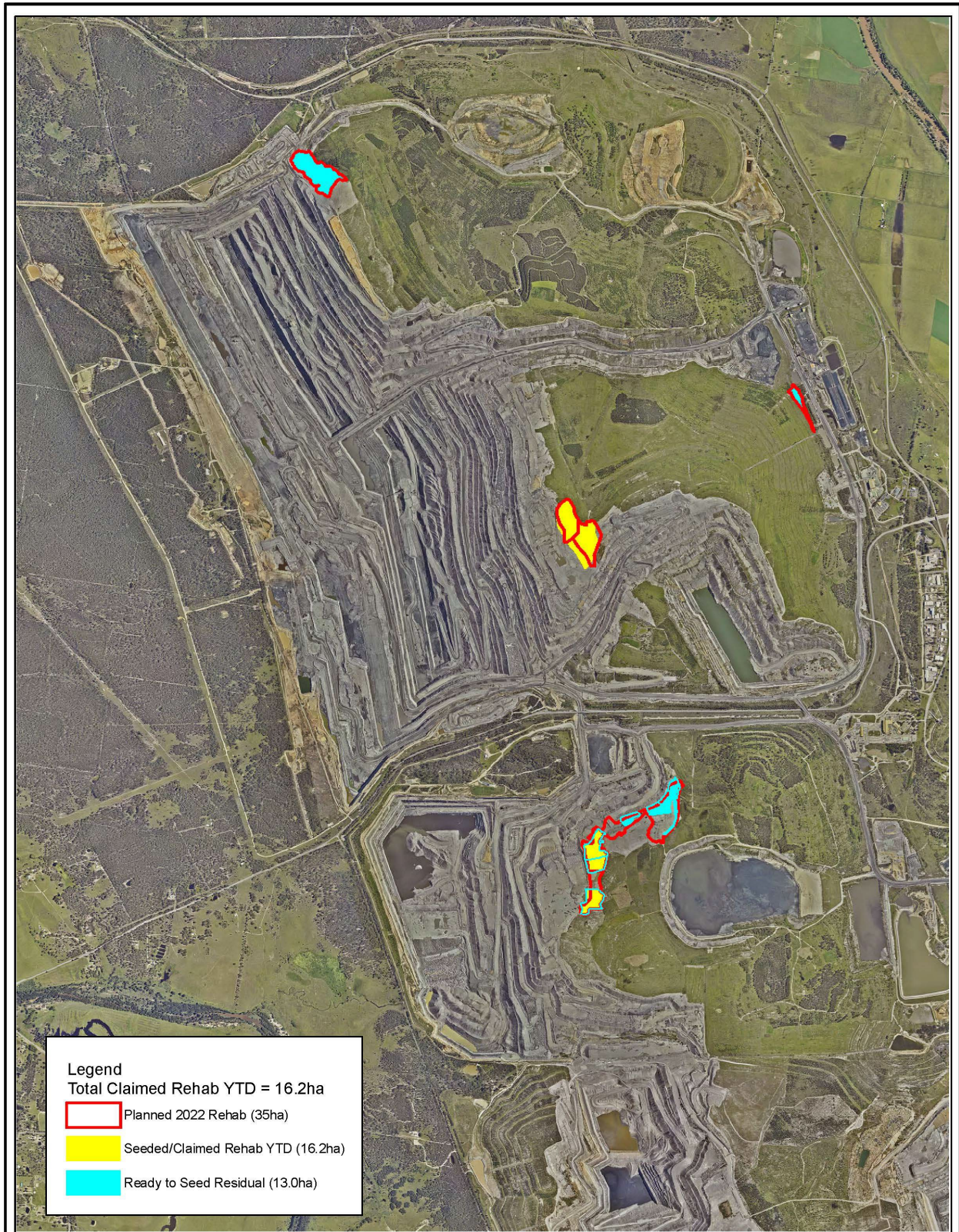
**DISCLAIMER**  
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File: S:\EBC\MAP\FOW\MTW Workspace Tab Files\220101 Rehab Reporting\2022 Workspaces X>>C&A\Monthly report\2022\01\_Report

**MTW**

Aerial photography taken October 2022





**Legend**  
 Total Claimed Rehab YTD = 16.2ha

- Planned 2022 Rehab (35ha)
- Seeded/Claimed Rehab YTD (16.2ha)
- Ready to Seed Residual (13.0ha)



**Seeded 2022**

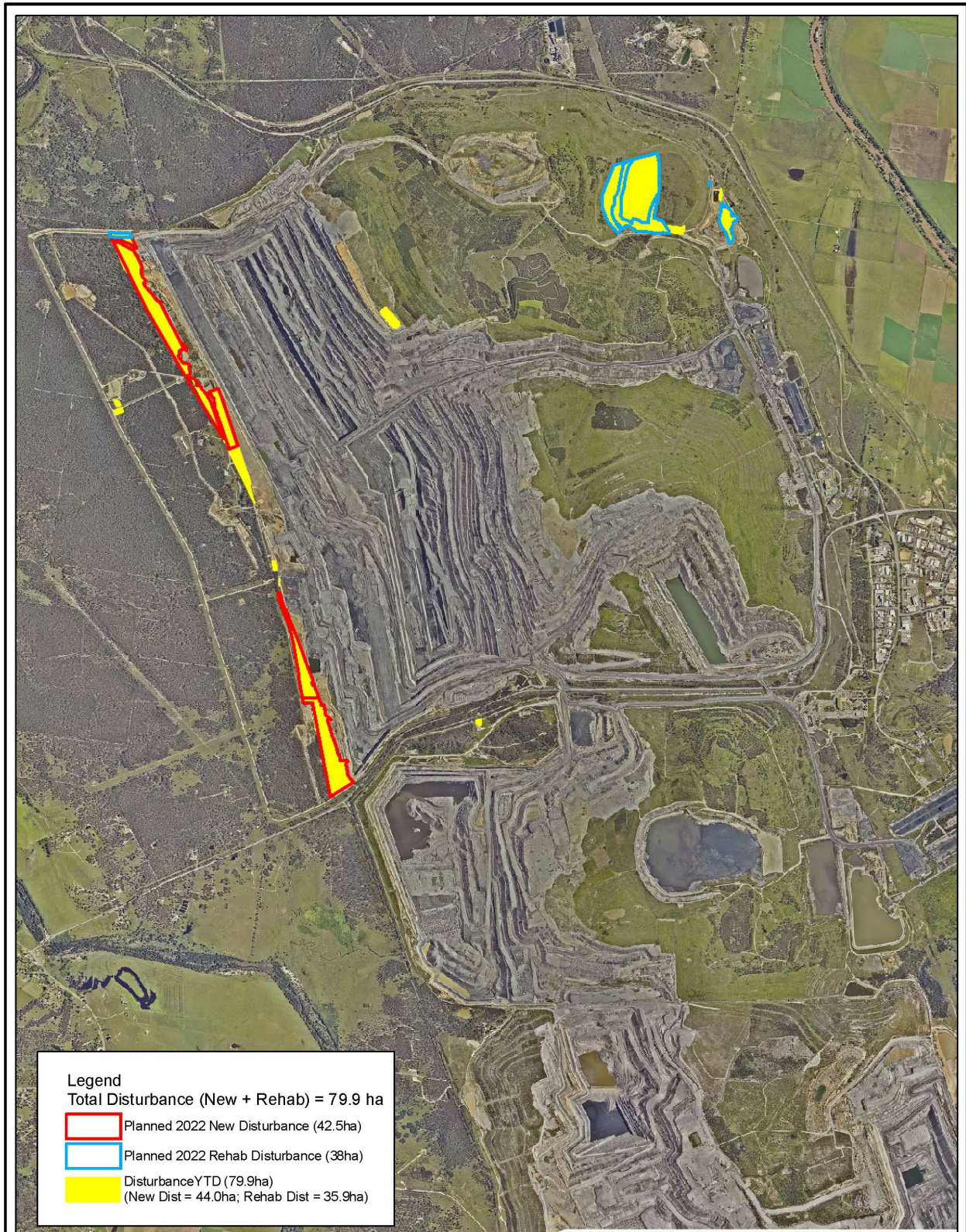
**MTW**

File: S:\E8\CMAPN\FOMTW\Workspace Tab Files\220101 Rehab Reporting\2022 Workspace  
 X>>C&A\Monthly report\2201\_Report  
 Aerial photography taken October 2022

Date: 04/11/2022  
 Produced By: BB  
 Map Size: A4 Portrait  
 Coordinate System: MGA2020 Zone 56  
 Revision: 01  
 Data Source: Various

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**Legend**  
 Total Disturbance (New + Rehab) = 79.9 ha

- Planned 2022 New Disturbance (42.5ha)
- Planned 2022 Rehab Disturbance (38ha)
- Disturbance YTD (79.9ha)  
 (New Dist = 44.0ha; Rehab Dist = 35.9ha)



**Disturbance 2022**

Date: 04/11/2022  
 Produced By: BB  
 Map Size: A4 Portrait  
 Coordinate System: MGA2020 Zone 56  
 Revision: 01  
 Data Source: Various

DISCLAIMER  
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**MTW**

File: S:\E&C\MAPPING\MTW Workspace Tab Files\220101 Rehab Reporting\2022 Workspaces X->CSA\Monthly report\2022\01\_Report  
 Aerial photography taken October 2022



## Website Uploads

The table below is a list of all new documents uploaded to the MTW's website from 3 August 2022 to 15 November 2022. Please refer to MTW's new website under "Environment":

<https://www.mtwcoal.com.au/page/environment/>

Document Title	Upload
Rehabilitation Management Plan	12-Aug-22
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data July 2022	24-Aug-22
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data August 2022	26-Sep-22
Added text and link to Brightlabs: Please visit our new website for MTW documents: <a href="http://www.mtwcoal.com.au">www.mtwcoal.com.au</a> Removed all EIS and Project Approvals documents and removed those categories from the Document page.	28-Sep-22
SSD-6464-MOD2-Lemington UG Water Storage Modification Report and Associated Appendices and Response to Submissions (previously these were available via link to DPE Planning Portal)	28-Sep-22
EPL 1976: Mount Thorley Operations Pty Limited	28-Sep-22
MTW Community Consultative Committee - August 2022 - Minutes, Presentation & Business Papers	20-Oct-22
Mount Thorley Warkworth 2021 Annual Environmental Review	24-Oct-22
Mount Thorley Warkworth Air Quality Management Plan	26-Oct-22
Mount Thorley Warkworth Blast Management Plan	26-Oct-22
Mount Thorley Warkworth Noise Management Plan	26-Oct-22
Mount Thorley Warkworth Environmental Management Strategy	26-Oct-22
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data September 2022	26-Oct-22
Mount Thorley Warkworth - Aboriginal Heritage Management Plan	4-Nov-22
Mount Thorley Warkworth - Historic Heritage Management Plan	4-Nov-22
Bowditch Biodiversity Area Management Plan	4-Nov-22
Condon View Biodiversity Area Management Plan	4-Nov-22
MTW Community Consultative Committee - August 2022 - Minutes, Presentation & Business Papers	9-Nov-22
Warkworth Mine Northern Biodiversity Management Plan	10-Nov-22

<b>Document Title</b>	<b>Upload</b>
Southern Biodiversity Area Management Plan	10-Nov-22
Goulburn River Biodiversity Area Management Plan	10-Nov-22
North Rothbury Biodiversity Area Management Plan	10-Nov-22
Putty Biodiversity Area Management Plan	10-Nov-22
Seven Oaks Biodiversity Area Management Plan	10-Nov-22



## 5 YANCOAL COMMUNITY SUPPORT PROGRAM

The CSP invests in community groups working in the areas of health, social and community, environment, education and training. Some MTW Community Support Program (CSP) events being supported in 2021 postponed their timing into 2022 due to COVID-19.

The 2022 round of applications were advertised in September-October 2021 and closed 5 November 2021. There were 15 applications received. The following organisations are being supported in 2022 through the CSP.

- University of Newcastle – Upper Hunter Science and Engineering Challenge & SMART program
- Life Education NSW - Covid Recovery – Health & Wellbeing program for children in the Singleton LGA.
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For information please visit our website at <https://www.mtwcoal.com.au-page-community-community-support-program-> or email [mtw.csp@yancoal.com.au](mailto:mtw.csp@yancoal.com.au)

# **Appendix A: June 2022 Monthly Environmental Monitoring Report**

# **Appendix B: July 2022 Monthly Environmental Monitoring Report**



# **Appendix C: August 2022 Monthly Environmental Monitoring Report**

# Appendix D: September 2022 Monthly Environmental Monitoring Report

*\*This Appendix will be provided at a later date.*