

**Minutes of the Mount Thorley Warkworth
Community Consultative Committee Meeting Q2 2022**

Date: Tuesday 16 August 2022

Location: MTW and Teleconference

Time: 2pm – 4pm

Attendees

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

Role

Independent Chairperson MTW CCC
MTW Environment & Community Manager
MTW General Manager
Community Representative (via teleconference)
Community Representative
Community Representative
Community Representative
Stakeholder Rep - Singleton Shire Healthy Environment Group (via teleconference)

1. WELCOME

- CG opened the meeting and welcomed CCC members.

2. APOLOGIES

- GM advised apology received from Ian Hedley (IH) and 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 26 May 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 2: MTW to investigate noise levels in the morning period 7-9am.

- SM advised that prior to the meeting he requested real time noise data for a particular morning from MTW's real time noise monitoring system. SM has measured noise levels with his own meter, which he considers may be higher than noise limits. SM is interested whether Wambo Road monitor provided an alarm on a morning, or that it may measure different levels to what he measured. GM advised he is sourcing the requested real time data and internal investigation is in progress in response to SM enquiry, which found that noise alerts cease at 6:00am - likely due to other noise interferences, but needs to be further understood. GM indicated further investigation on morning noise will occur and noise data will be provided to SM.

Follow on Actions from Business Arising:

Action 1: MTW to provide opportunity to Denis to explain how CRO noise measurements are completed.

Action 2: Community Newsletter to be distributed within one month of CCC meeting

5. CORRESPONDENCE

- 27/05/2022 -Warkworth Continuation Project SSD-6464 MOD2 has been approved. A copy of the Notice of Modification and Consolidated consent was provided.
- 3/06/2022 –Q2 CCC Meeting 26 May 2022 -Draft minutes -comments by 10 June 2022.
- 14/06/2022 –Chair -Seeking feedback for the Community Consultative Committee Guideline review.
- 17/06/2022 -CCC Q2 2022 Meeting Minutes, and reminder for Q3 meeting 16 August 2022.
- 27/07/2022 –CCC Q3 Meeting Tuesday 16 August 2022 -Agenda and Site Tour
- 2/08/2022 -Business Papers and reminder for RSVPs for meeting.
- 12/08/2022 -Rehabilitation Management Plan distributed to CCC members, requesting any comment by 9 Sep 2022.

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. MTW is carrying quite high water stocks as a result of rainfall, and has been operating licenced discharge operations to manage. DB advised full year production may be 14Mt, compared to budget of 17.75Mt.

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 Q4 2022.

Modification - Lemington Underground Water Storage & WML Workshop Modification Update

Refer to presentation

- GM advised the modification was approved shortly after our last CCC meeting. GM provided a copy of the notice of modification to development consent to CCC members on 27/5/22. MTW has development consent to transfer water in and out of the Lemington Underground and construct the new Ultraclass workshop. The new workshop has progressed through tender process, hoping to commence construction in Q4 2022.

MTW Communications Tower – Charlton Ridge

Refer to presentation

- GM advised that as presented in previous meeting, a 50m communications tower will be constructed within approved/historical disturbance area on Charlton Ridge adjacent existing towers in line with complying development approval. Footings have been poured in August 2022, with tower erection planned for Q3 2022.
- DB advised that the tower is for telemetry to mining equipment. GM advised that telecommunications providers have been offered the opportunity to put mobile phone signal equipment on the tower with the aim to improve mobile phone signal in the area, no solution presently. CCC members were appreciative of that.

Exploration

Refer to presentation

- All exploration sites for 2022 are on MTW owned land, and within mining and exploration tenements.
- The 2022 program has commenced late July 2022 and will progress through to November
- It is planned to complete three large diameter boreholes close to the highwall, Infront of mining.

Monitoring

Refer to presentation for data – YTD 2022

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

Rehabilitation / Disturbance 2022

Refer to presentation

- GM advised that 24.7Ha of the 35Ha target for rehabilitation has passed 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.
- GM noted the planned strip areas for 2022 will disturb part of the former Wallaby Scrub Road. SM requested an opportunity to visit remaining sections of the former Wallaby Scrub Road.

Vertebrate Pest Management 2022

Refer to presentation

- GM advised several control programs will be completed during 2022 at MTW and in the Biodiversity areas.
- General discussion about vertebrate pests including pig baiting program at MTW, and deer sightings locally. GM confirmed MTW continues to coordinate vertebrate pest programs with Local Land Services.

Weed Management 2022

Refer to presentation

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.
- SM made comment regarding Warkworth Sands Woodland restoration at the Northern BA. SM indicated that the offset was meant to be successful on the Archerfield property without need for importation of sands. GM indicated that the Northern BA Management Plan indicates that MTW may salvage and transport Warkworth Sands Woodland topsoil, and that management plan had been approved by the Department of Planning and Environment. GM noted it is not a requirement or a need to transport sand to the Northern BA, but MTW chooses to do so to make best use of the topsoil resource and may improve the offset outcome. There is not a commitment to generate/plant Warkworth Sands Woodland on the MTW mine site as part of mine rehabilitation, so MTW chooses to transport the WSW topsoil resource to the Northern BA offset property. SM was critical that approach, and that the DPE could approve what he considered to be a change from what was committed in the EIS for the offsets.

Historic & Cultural Heritage Management

Refer to presentation

- GM advised the Historic Heritage Management Plan was submitted to DPE July 2022 and was approved on 12 August 2022. GM advised the existing HHMP had been sent out to the CHAG for review November 2021 ahead of an update to the management plan in 2022. GM noted there was no comment or enquiry received on the existing plan, so there was no need to hold a CHAG meeting to discuss any material issues. SM indicated that he considered that the CHAG should provide their consent. GM indicated that MTW are required to consult with the CHAG, and that MTW are required to review the management plans on an annual basis, and any further comment from consultation with the CHAG on the HHMP can be considered for future reviews.
- SM enquired about seeing progress with Historic Heritage works, and that not much had occurred other than some maintenance. GM advised that personnel with accountability for Heritage have moved on from the E&C team, slowing progress. GM advised that should be resolved soon, and with suitable project management these items will progress.
- SM enquired about Springwood homestead being located in the Wollombi Brook Aboriginal Conservation Area. GM advised that the management plan for the WBACHCA includes an internal zoning plan as infrastructure areas.
- SM enquired about the conservation agreement and whether the area will be rezoned to conservation area. GM indicated that land would be under conservation agreement signed by the Minister. SM considers that an agreement could be changed at any time, and referred to previous agreement between the mine's previous owner and Department. GM indicated the Warkworth Continuation Project superseded previous consents and agreements and we are working under that consent.
- NH enquired about the boundaries of the overlying Southern Biodiversity Area and the Wollombi Brook Aboriginal Cultural Heritage Conservation area, indicating they are not clear on the map shown in the presentation.

Action 3: MTW to prepare clearer mapping of the overlying boundaries of the Southern Biodiversity Area and the Wollombi Brook Aboriginal Cultural Heritage Conservation area

- SM enquired about the area gazetted as being not for open cut mining by the Department of Planning and Environment. GM indicated that is shown in the Mining SEPP. SM asked if MTW has surveyed the area. GM indicated MTW has not surveyed, and do not intend to. The Mining SEPP makes applying for open cut mining within the area not possible. MTW is aware of the open cut exclusion area, and does not have plans to make applications within that area.
- GM gave overview of other cultural heritage activities including a Cultural Heritage Working Group meeting on 8/8/22, and inspection of scarred trees by CHWG members prior to their removal and relocation.

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 December 2021, January and February 2022 were provided. March MEMR to be provided at a later date.

Management Plans / Reporting

- MTW has undertaken reviews of Management Plans following submission of the 2021 MTW Annual Review in accordance with Schedule 5 Condition 5 of SSD-6464 and SSD-6465. Management Plan updates were submitted in July 2022 to the Major Projects Portal. DPE has approved the below management plans on either 5/8/22, 8/8/22 or 12/8/22:
 - MTW Environmental Management Strategy
 - MTW Air Quality Management Plan
 - MTW Noise Management Plan
 - MTW Blast Management Plan
 - Bowditch Biodiversity Area Management Plan
 - North Rothbury Biodiversity Area Management Plan
 - Condon View Biodiversity Area Management Plan
 - Putty Biodiversity Area Management Plan
 - Southern Biodiversity Area Management Plan (including Putty Road Offset Mgt Plan)
 - Warkworth Northern Biodiversity Management Plan
 - Goulburn River Biodiversity Area Management Plan
 - Seven Oaks Biodiversity Area Management Plan
 - MTW Aboriginal Heritage Management Plan
 - MTW Historic Heritage Management Plan
- MTW has prepared a **Rehabilitation Management Plan** in accordance with the provisions of the Mining Act 1992 and the operational rehabilitation reforms. The RMP has been distributed for consultation to DPE, DPE-Water, BCD, and Singleton Council, and the CCC on 12/8/22. GM gave overview of final landform from the RMP.

8. OTHER AGENDA ITEMS

Nil

9. GENERAL BUSINESS

General Business MTW – NSW Minerals Council - Environmental Excellence Award MTW

Refer to presentation

- GM provided CCC with an update on award for Developing an effective noise miner management program to benefit critically endangered regent honeyeaters. GM played a short video for the program.

General Business MTW - Community Support Program (CSP)

Refer to presentation

- Organizations being supported in 2022 were provided in the presentation.
- Visible Wellbeing Program - Completed after 2 year program
-Made possible with a 2 year partnership from Yancoal Community Support Program (MTW and Ashton Coal mines) with 11 Singleton Schools. VWB approach embedded in these schools to support resilience and mental health.

General Business - CCC Members

- DM – provided some examples of other mining operations complaints register and enquired if there is a chance of changing the format of complaints register.
- DM enquired about where attended noise monitoring results from the external consultant are available. GM advised they are in the monthly monitoring reports in tables which are included with the Business Papers.

Action 4: MTW to review format of complaints register and how that information is presented.

- DM – enquired about surrender of previous consents - has this been completed. GM advised that application to surrender were completed some time ago. One previous consent has been surrendered with a letter from Department of Planning and Environment. The other is still subject to correspondence and completion with Department of Planning and Environment. GM will need to find out which one is still in progress to be formally surrendered. GM confirmed MTW is working under the 2015 development consents.

Action 5: MTW to advise which development consent has been formally surrendered, and which one still to be formally surrendered.

- DM – advised of a community enquiry about a pump on Wollombi Brook along Wambo Road. GM advised that MTW does not draw water from the Wollombi Brook to supply the mine. But MTW owns property which may have pumps on them, and may be used by rural licensees or tenants.

Action 6: MTW to gain further details from DM to allow further investigation on the pump in question with the Yancoal property team.

- BB – queried what is MYW's intention regarding cumulative health impacts and social wellbeing from impacts from mining. Indicated that community is frustrated and BB is seeking whether MTW will take a proactive approach. GM indicated that MTW acknowledged that its operations have impacts on the local

community and it is MTW's responsibility to operate within consented limits. GM indicated that MTW still has aspiration to have community drop in session in future, and it will be interesting how many people may come to a drop in session – COVID has delayed that, but we have moved to a point where we can plan this again. GM also noted that a newsletter is planned to be sent out after this CCC meeting.

- SM – sterilizing agricultural land. MTW owns a lot of land, which is now left idle, or has been building vegetative fuel load, noting bushfire as a risk. GM noted firebreaks are slashed, and are considering crash grazing to manage grasslands. On some offset areas, grazing cannot occur unless it is an approved management approach in the offset management plan.
- BB – some time ago had an interview with a social impact consultant from MTW, but has not seen material from that. GM indicated he'd review and come back to BB outside of CCC.

Action 7: MTW to investigate and respond to BB enquiry regarding interview with social impact assessment consultant.

- NH – discussed the recent approval of the Historic Heritage Management Plan, and made comment that community should more have opportunity to comment on this or other management plans. GM noted that the HHMP was distributed to the Community Heritage Advisory Group in November 2021 and there was no comment received. GM indicated the updated HHMP and a track changed version would be distributed to the Community Heritage Advisory Group, again inviting any comment.
- CG noted the request during the meeting that DPE be invited to the next CCC meeting, and for MTW to provide DPE with some details of items that may be of interest.

Action 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.

10. NEXT MEETING

Next CCC Meeting: Wednesday 23 November 2022, 2pm

MEETING CLOSED 3:50pm.

SUMMARY OF ACTIONS

Action 1: MTW to provide opportunity to Denis to explain how CRO noise measurements are completed.

Action 2: Community Newsletter to be distributed within one month of CCC meeting

Action 3: MTW to prepare clearer mapping of the overlying boundaries of the Southern Biodiversity Area and the Wollombi Brook Aboriginal Cultural Heritage Conservation area

Action 4: MTW to review format of complaints register and how that information is presented.

Action 5: MTW to advise which development consent has been formally surrendered, and which one still to be formally surrendered.

Action 6: MTW to gain further details from DM to allow further investigation on the pump in question with the Yancoal property team.

Action 7: MTW to investigate and respond to BB enquiry regarding interview with social impact assessment consultant.

Action 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.

Mount Thorley Warkworth (MTW)

Community Consultative
Committee (CCC)

Tuesday 16 August 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

1. Welcome



Warkworth Mining Limited EMERGENCY EVACUATION PROCEDURES

ACTION TO BE TAKEN ON DISCOVERING A FIRE OR OTHER EMERGENCY

1. ALERT PERSONS NEARBY OF THE SITUATION.
2. EXTINGUISH THE FIRE IF ABLE TO DO SO WITH SAFETY
3. IF NOT ABLE TO PERFORM 2) NOTIFY RECEPTION OF THE EMERGENCY
3. FOLLOW THE EVACUATION PROCEDURES.

ACTION TO BE TAKEN TO EVACUATE THE BUILDING.

1. FOLLOW INSTRUCTIONS OF THE WARDENS.
2. CLOSE YOUR OFFICE DOOR AND TAKE THIS SIGN WITH YOU.
3. WALK TO THE NEAREST EXIT – DO NOT RUN.
4. PROCEED TO THE EMERGENCY MUSTER POINT ABOVE THE FIRE DAM
4. DO NOT RETURN TO WORK AREA FOR ANY REASON.

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Apologies

Apologies –

Ian Hedley, 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 DM noise data from Wambo Road Noise compass from 10:30-11:30pm 25/05/2022.	GM provided requested data to DM.
2	MTW to investigate noise levels in the morning period 7-9am.	<p>Morning noise measurements were collected on multiple dates in May to August (6/6, 15/6, 17/6, 29/7, 2/8) at Inlet Road and Wambo Road locations using normal supplementary hand held noise monitoring methods.</p> <p>-Noise audible on 17/6/22 0810 - truck and dozer noise, also local interference with traffic and dogs. Noise within limits.</p> <p>-All other times noise measurement could not be made due to local interferences (traffic, wildlife (dogs/birds)). On some of these occasions WML was audible.</p>
3	MTW to share information on African Lovegrass on MTW managed lands.	Provided on following slide (Slide 10).
4	CG to follow up with department on CCC guidelines.	CG provided details of CCC guideline review on 10/06/2022
5	MTW to provide opportunity to Denis to explain how CRO noise measurements are completed.	Offered to DM for 15/8/22. Will occur after this CCC meeting.

4. Business Arising

Item 3 - Rehabilitation Areas

- An increase of African Lovegrass in rehabilitation areas has been observed due to topsoil from the last couple years has been from areas adjacent to the old Wallaby Scrub Road corridor. African Lovegrass seems to be very prevalent in road corridors such as Putty Road and Wallaby Scrub Road. The topsoil from these areas therefore has a higher weed seed load and we are seeing more African Lovegrass germinating in rehabilitation as a result
- Rehab weed management is targeting Rhodes Grass, African Lovegrass and Coolatai Grass as the main exotic grasses that would cause problems with native vegetation establishment.

Item 3 - MTW Managed land

- Across MTW managed land there has not been an increase in African Lovegrass over the last few years.
- African Lovegrass is targeted during weed control across properties.

4. Business Arising

	Action	Response/ Update
6	MTW to arrange meeting with council to progress Convict Trail notice board.	GM sent email 14/06/2022 suggesting meeting in August, awaiting response?
7	MTW to provide information on amenity resources in next community newsletter.	Community Newsletter to be distributed within one month of CCC meeting.
8	MTW to arrange site tour of MTW for CCC members.	Site tour prior to Q3 meeting.
9	GM to provide Hollee with details of roads and intersections in Mount Thorley industrial estate for suggested additional signage.	Email sent to HJ 14/06/2022 with details of roads and intersections. Road signage has been updated around industrial estate with speed limits reduced. Photos provided on following slide.

Speed Signage Changes Around Industrial Estate



Putty Road reduced to 80 km/hr around Industrial estate.



Industrial Estate Speed limit reduced to 60 km/hr

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5. Correspondence

- 27/05/2022 - Warkworth Continuation Project SSD-6464 MOD2 has been approved. A copy of the Notice of Modification and Consolidated consent was provided.
- 3/06/2022 – Q2 CCC Meeting 26 May 2022 - Draft minutes - comments by 10 June 2022.
- 14/06/2022 – Chair - Seeking feedback for the Community Consultative Committee Guideline review.
- 17/06/2022 - CCC Q2 2022 Meeting Minutes, and reminder for Q3 meeting 16 August 2022.
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MTW Operations

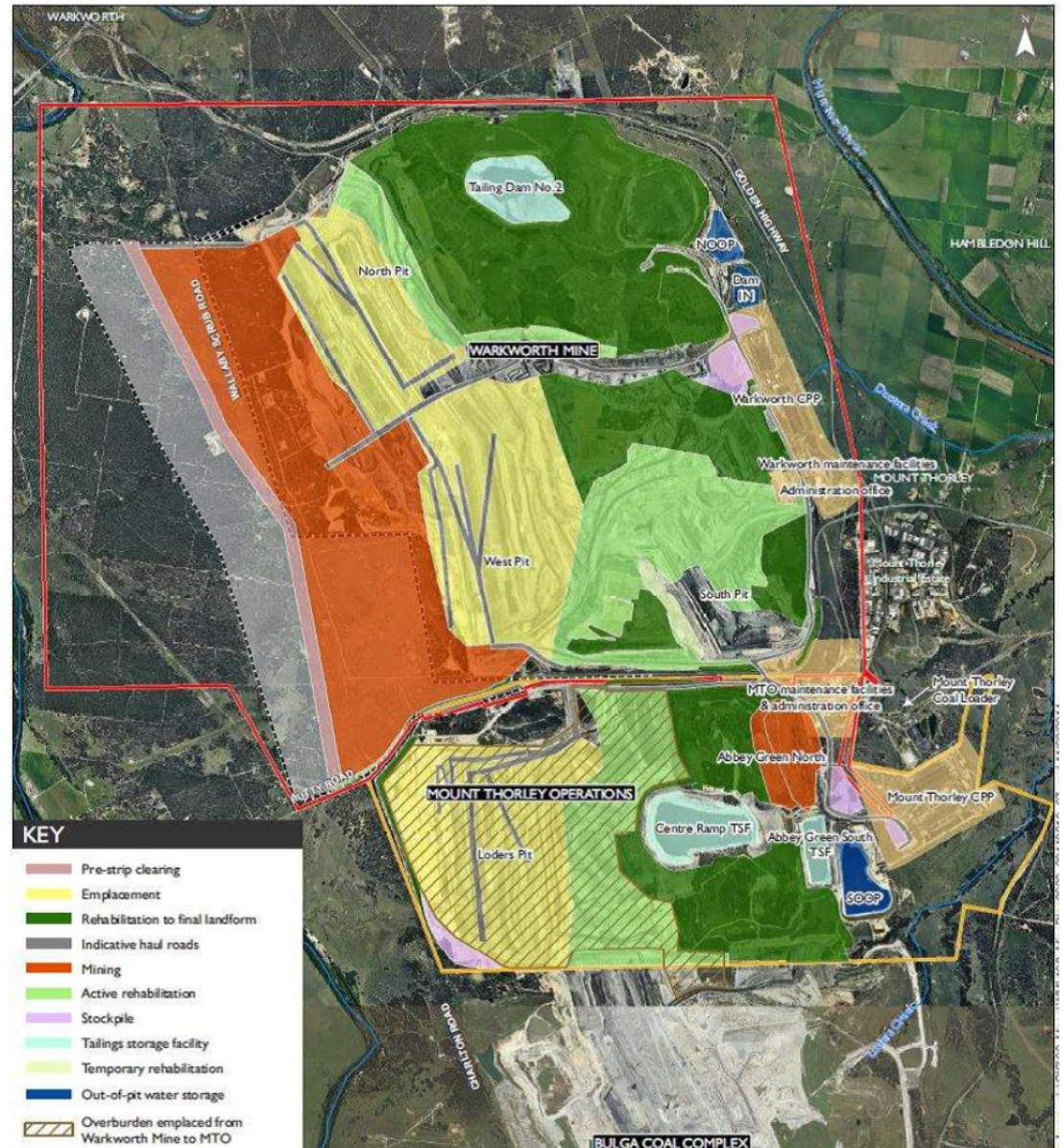
- MTO: Coal production ceased at MTO in early 2021. Load and haul waste will continue to be dumped in the pit from the WML.
- WML: DL103 has been working in the lower passes of North Pit while DL 101 is working in the lower passes of West Pit respectively
- WML: Normal load and haul operations have continued, some interruption to planned activity with rainfall in April (46mm) and July (>200mm).
- Coal processing and train loading normal operations.
- MTO: Licenced Hunter River Salinity Trading Scheme (HRSTS) discharge operations occurred in July-August 2022 with over **1.4 GL water discharged** from the Dam 9S MTO licenced discharge point.



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.



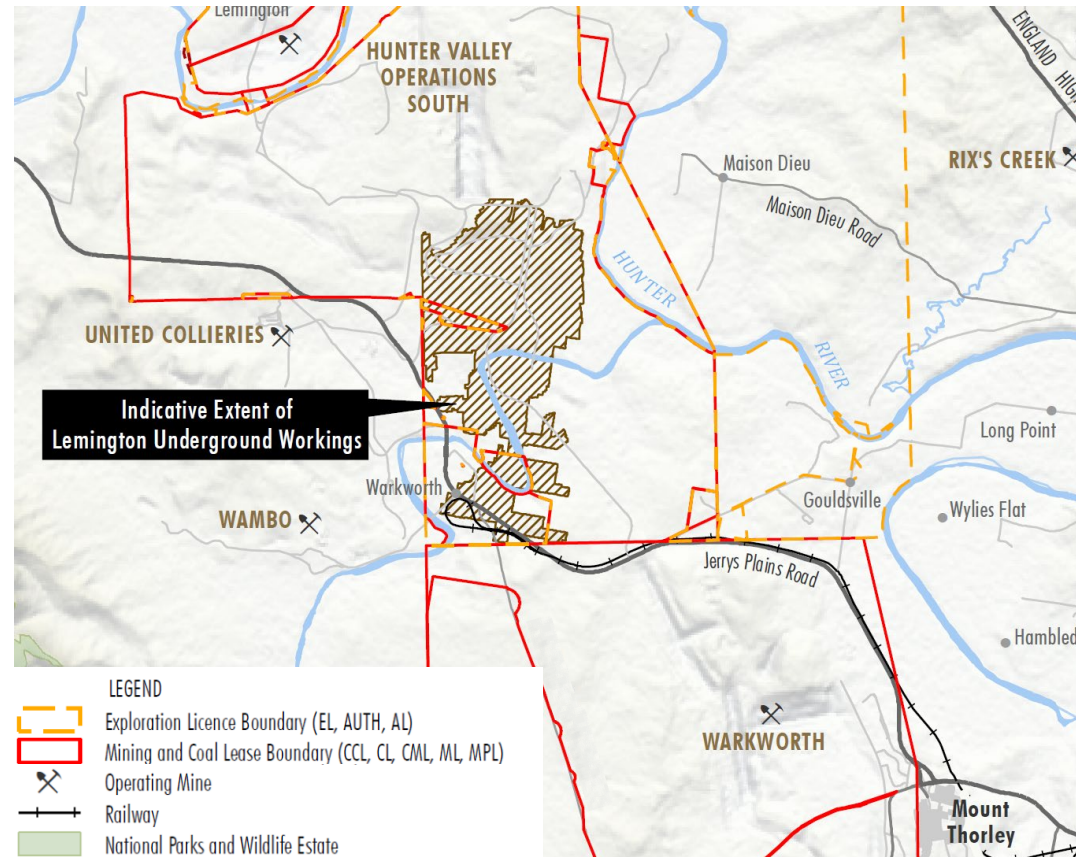
Modification - Lemington Underground Water Storage & WML Workshop Modification Update

Benefits of the Modification

- Increase total water storage capacity
- Reduce the risk of active pits being required to temporarily store excess mine water, interrupting mining operations
- Reduce reliance on water extraction from the Hunter River
- Avoid evaporative losses, increasing long-term water availability

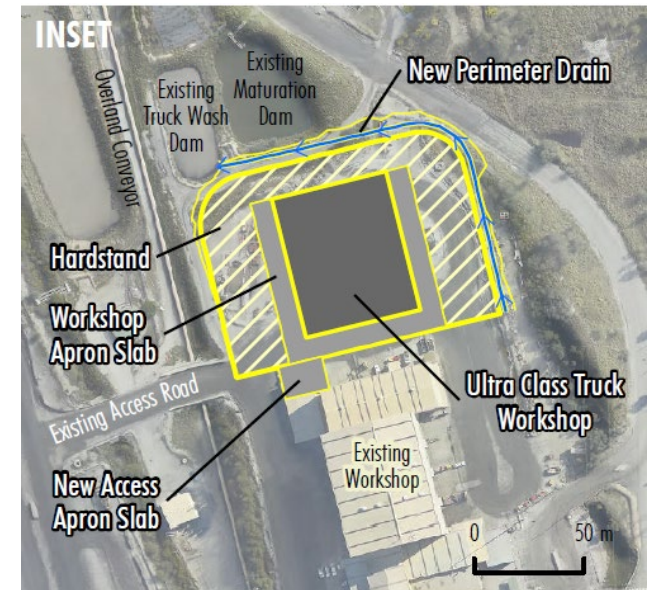
Modification Status

- The application and accompanying documents were on exhibition from 5-18 October 2021. (The Modification Reports are available for viewing through the NSW Department of Planning, Industry and Environment's website)
- MTW provided DPIE with a response to submissions 20/12/21 which should be available on the Department of Planning, Industry and Environment's website. Further response to a request for information provided to DPIE on 14/2/22.
- Approval received 27/05/2022. CCC provided development consent (SSD-6464 MOD 2).



WML Ultra Class Workshop

- The Warkworth Consent modification permits an extension to the existing workshop to service and house Ultra Class Trucks
- Tender process completed. Contracts being prepared for construction to commence Q4 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.
- Footings have been poured in August 2022. Tower erection planned Q3 2022.

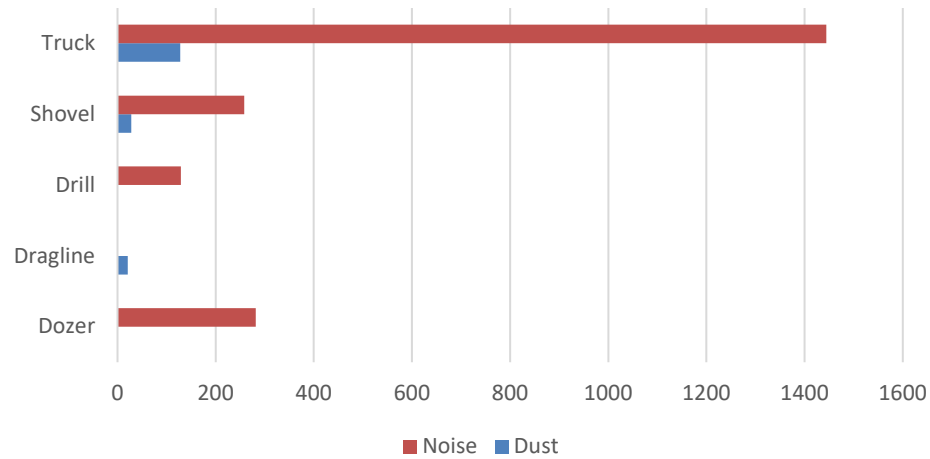
Exploration

- All exploration sites for 2022 are on Yancoal owned land, and mining and exploration tenements.
- The 2022 program has commenced late July 2022 and will progress through to November
- It is planned to complete three large diameter boreholes close to the highwall, Infront of mining.



MTW Operations

2022 Operational Downtime



MTW Noise Monitoring YTD

	# CRO Assessments	# Individual assessment above trigger	# Nights above trigger
2022 (YTD)	4057	49	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).

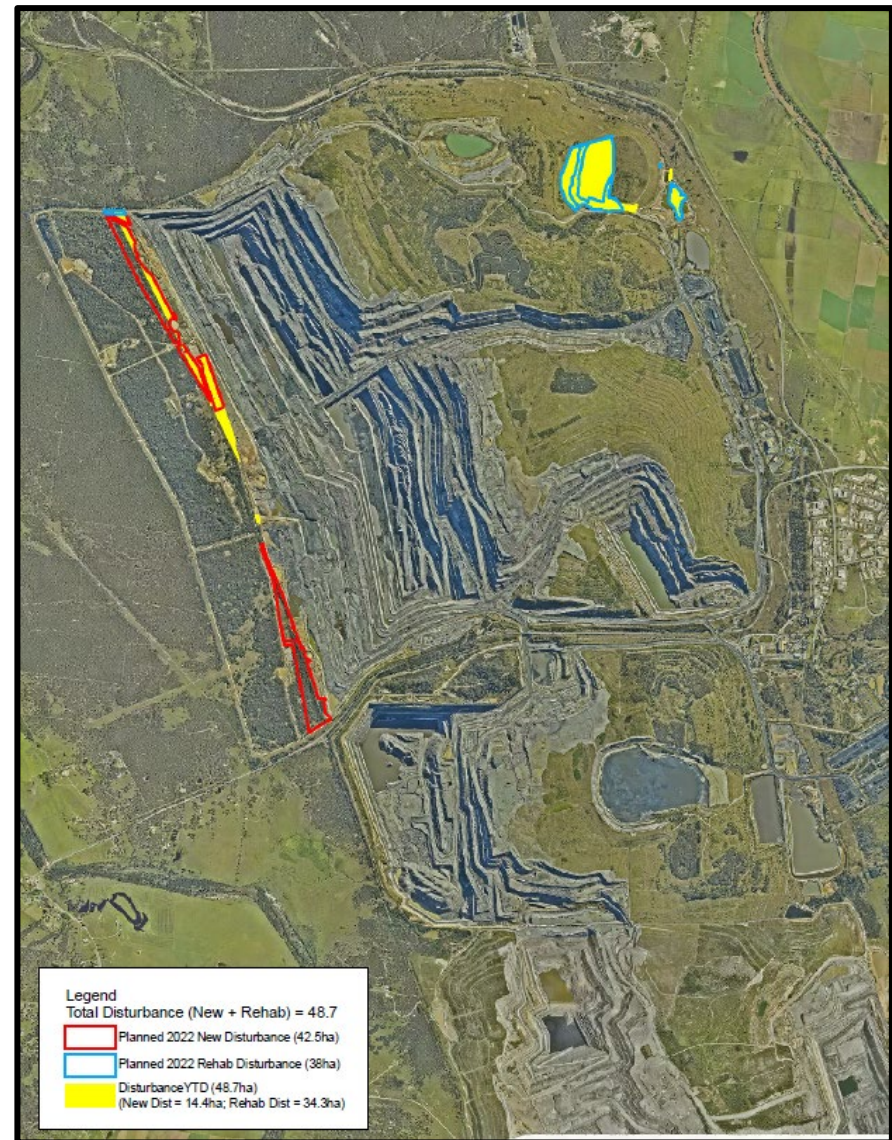
- 42.3Ha rehab areas have passed the “Bulk Shaped” status. 24.7Ha of this area is in the “Ready to Seed” or “Seeded” status.



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 July 2022:
 - Disturbed = 48.7ha



MTW Vertebrate Pest Management

2022 programs undertaken YTD:

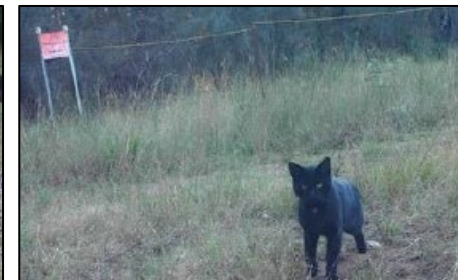
- Thermal ground shoot at the Putty and Condon View Biodiversity Areas: February
- Aerial shoot (NPWS) at the Goulburn River and Seven Oaks Biodiversity Areas: February and March
- Feral pig thermal ground shooting program at the Goulburn River Biodiversity Area: April
- 1080 ground baiting programmes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



The following 2022 programs have been scheduled:

- Feral pig trapping at MTW
- Professional Wild Dog Controller Program
- Feral cat trapping as required
- Noisy Miner program at the Goulburn River and Bowditch Biodiversity Areas: August
- Thermal ground shoot at the Goulburn River and Bowditch Biodiversity Areas: August
- Feral pig 1080 baiting program at the Goulburn River Biodiversity Area: October
- 1080 ground baiting programmes targeting wild dogs and foxes at MTW and all Biodiversity Areas in October/November
- Kangaroo management at MTW
- 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 in Q2 2022 included:

- African Lovegrass (*Eragrostis curvula*)
- African Olive (*Olea europaea ssp. Cuspidata*)
- Castor oil plant (*Ricinus communis*)
- Galenia (*Galenia pubescens*)
- Lantana (*Lantana Camara*)
- Mother of millions (*Bryophyllum delagoense*)
- Opuntia (Pear) species (Tiger, Prickly and Creeping Pear)
- Rhodes Grass (*Chloris gayana*)
- Saligna (*Acacia saligna*)



Rhodes grass control North Pit North rehab



Prickly pear control South CHPP



African Olive South CHPP



Lantana control West Pit

MTW BA Weed Management

Weeds targeted in the Southern and Northern Biodiversity Area Q2 2022 included:

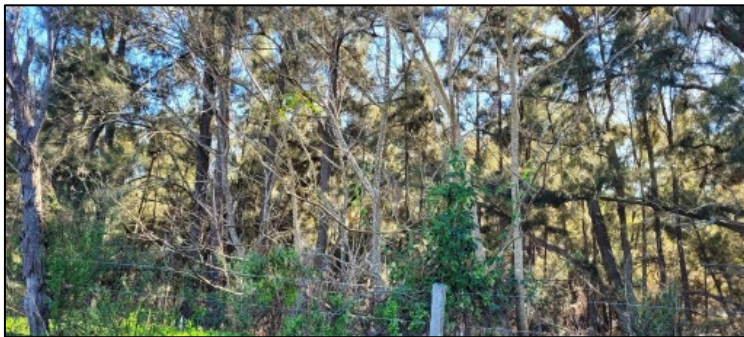
- African Boxthorn (*Lycium ferocissimum*)
- African Love Grass (*Eragrostis curvula*)
- Balloon vine (*Cardiospermum grandiflorum*)
- Cats Claw Creeper (*Dolichandra unguis-cati*)
- Coolatai Grass (*Hyperrahnia hirta*)
- Green Cestrum (*Cestrum parqui*)
- Kikuyu Grass (*Pennisetum clandestinum*)
- Lantana (*Lantana camara*)
- Mother of Millions (*Bryophyllum delagonese*)
- Prickly Pear (*Opuntia stricta*)
- Telegraph Weed (*Heterotheca grandiflora*)
- Tree of Heaven (*Ailanthus altissima*)



Control of African Lovegrass was undertaken within and between plots in SBA5 in conjunction with slashing operations.



Control of African Lovegrass was undertaken in SBA4 using Tussock residual herbicide



Green cestrum and Tree of Heaven control in SBA5



Springwood homestead following grounds maintenance



Kikuyu sprayed with grass-selective herbicide

MTW Northern BA Planting Program

Warkworth Sands Woodland (WSW) 2022 program:

- Access track repairs
- 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.



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



Access track repairs for the transportation of WSW sand



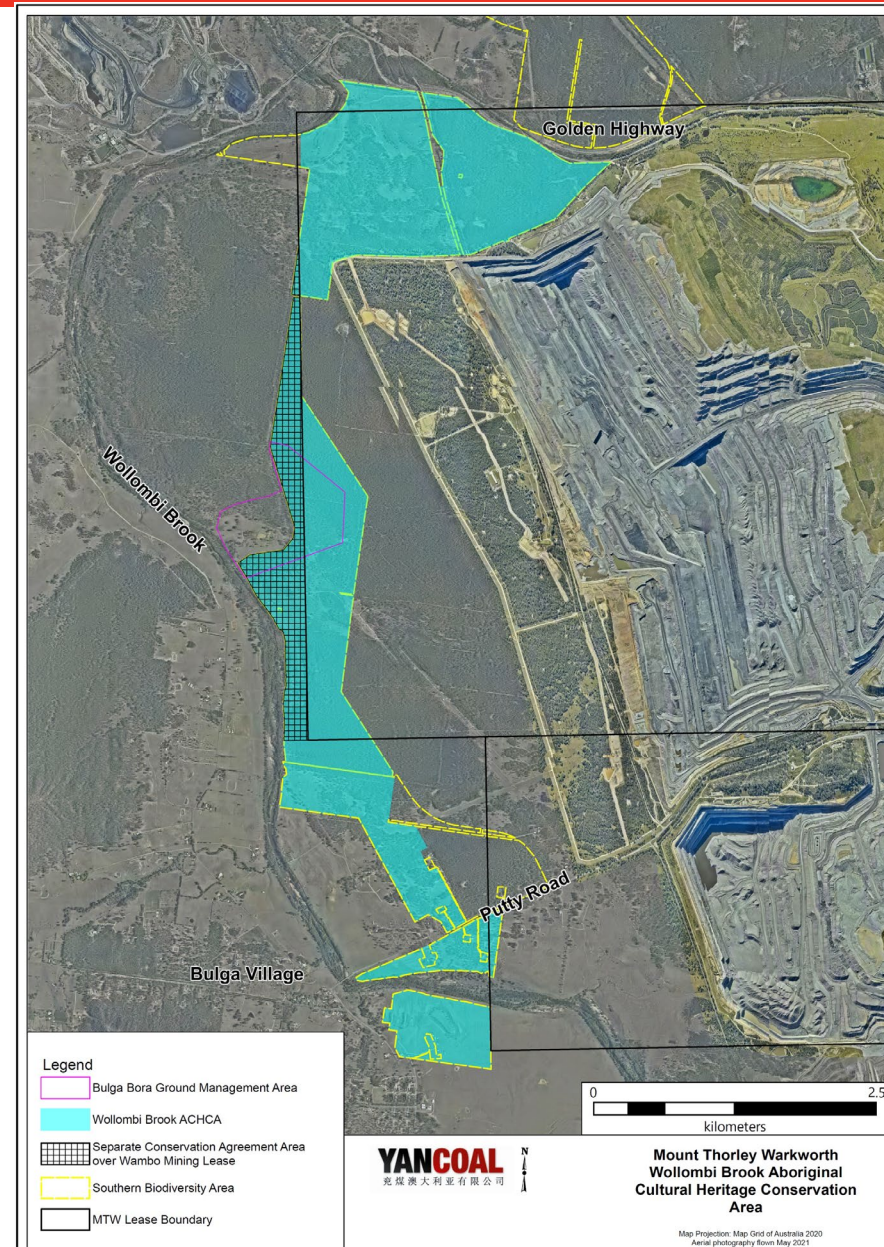
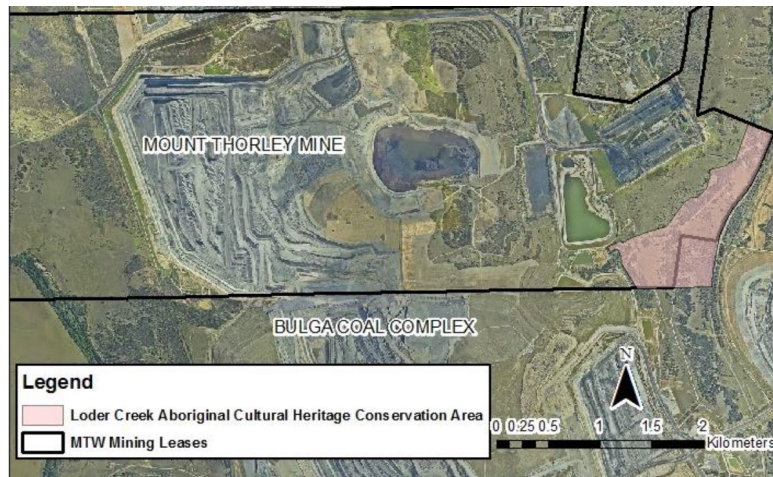
MTW Historic Heritage Management - Actions

Historic Heritage Items	Status
Coordinate lawn maintenance across HH sites	Ongoing Contractor engaged to undertake ongoing quarterly maintenance. Q2 maintenance completed week of 9 May 2022.
RAAF Mess Hall track maintenance and repairs	In Progress 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.	Quotes Received Works to be completed in 2022 – dependant on above item.
Obtain quotes for tree removal at Springwood and RAAF	Quotes Received Works to be completed in 2022. Awaiting dry ground for machinery to fix access track.
Obtain quotes for Red Brick – door and window plywood replacement and minor roof repairs.	Works completed in March 2022.
Obtain quotes for Red Brick – minor brickwork repairs.	Trial of lime mortar completed in March 2022. Awaiting 3 month weathering of lime mortar residue for result.
Historic Heritage Management Plan update	Existing HHMP distributed to CHAG members 23/11/21. HHMP update progressed and submitted to DPE July 2022. DPE approved the update on 12 August 2022.
Historic Heritage Annual Inspection	Completed 18/11/21



MTW Cultural Heritage Management - Actions

Cultural Heritage Items	Status
WBACHCA and Loder Creek (LCACHCA) conservation agreement progression	<p>Wambo has existing entitlement to Underground Mining which predates the 2015 development consent. Consultation with DPIE on this issue, and DPIE endorse MTW's approach of 2 x CA's proposed for WBACHCA:</p> <ul style="list-style-type: none"> - 1 x over non Wambo mining lease area which conserves against all mining, and - 1 x over Wambo mining lease area which conserves against open cut mining. <p>-An updated Plan of Management for WBACHCA was circulated to CHWG/RAPs in December 2021, and a furth update addressing Wambo comments was agreed with Wambo and circulated to CHWG/RAPs and Heritage NSW in May 2022. The Plan of Management was subsequently submitted to DPE and approved on 4 July 2022.</p> <p>-Final CA's for WBACHCA and LCACHCA, executed by MTW directors were submitted to Heritage NSW for execution by the Minister on 22 Feb 2022.</p> <p>-An updated Final CA for the area over Wambo Mining Lease, executed by MTW directors was submitted to Heritage NSW for execution by the Minister on 23 May 2022.</p> <p>-Expecting the Conservation Agreements to be executed by Minister (or delegate) during 2022.</p>



MTW Cultural Heritage Management - Actions

Cultural Heritage Items	Status
Coordinate meeting of CHWG for 2022.	Meeting held 8/8/22. 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. 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.
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.
Scar tree re-location in 2022.	Consultation with CHWG has occurred with annual inspections, and a CHWG meeting on 8/8/22 prior to scar tree removal and relocation which included an opportunity to visit the scarred trees. Scarred trees were removed and relocated to temporary storage 9-10/8/22, with archaeologist and CHWG representatives present. See images on next slide.
Cultural Heritage Annual Inspections	Due by end of 2022.



Example of barricading and signage being replaced



New signs format

MTW Cultural Heritage Management - Actions

Warkworth Scarred Tree Removal and Relocation Program

MTW-8: This tree was recorded by AECOM during a survey of the proposed Warkworth West Extension Area in March 2008. The scar measures c.110cm x 40cm & is located on the stump of a dead, hollow tree c.4m high. The scar was verified as cultural during a follow up inspection conducted in October 2008.

Due to the lack of structural integrity within the stump it is highly unlikely that the scar will be able to be recovered intact, a fact that has been relayed to CHWG representatives during each visit. Recovery will be attempted by reinforcing the hollow stump internally while also bracing it externally. Extraction of the stump and root crown would then be attempted by excavating around the stump, lopping any major remnant roots & lifting with the crane.



MTW-80: This tree was recorded by AECOM during a survey of the proposed Warkworth West Extension Area in March 2008. The scar measures c.50cm x 35cm & is located on the trunk of a very large, mature eucalypt. The scar was verified as cultural during a follow up inspection conducted in October 2008.

The removal & relocation of this scarred tree will follow the guidelines & process outlined in the Scarred Tree Procedure



MTW-523: This tree was recorded by Joel Deacon & RAPs during an historic heritage survey of Wallaby Scrub Rd in December 2012. The scar measured c.350cm x 65cm & is located on the now decaying trunk of a felled ironbark, the stump of which remains in the road reserve.

Due to the lack of structural integrity of the trunk, with the scar now collapsed, it is highly unlikely that it will be able to be recovered intact, a fact that has been relayed to CHWG representatives during each visit. Recovery will be attempted by carefully lifting the trunk onto a pallet with bedding (or similar) & then transferring it to a flat-bed truck.



Inspection 8/8/22
with CHWG/RAP
representatives
prior to removal



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 March 2022, April 2022, May 2022
- Appendix D – June 2022 MEMR to be provided at a later date.

Management Plans / Reporting

- MTW has undertaken reviews of Management Plans following submission of the 2021 MTW Annual Review in accordance with Schedule 5 Condition 5 of SSD-6464 and SSD-6465. Management Plan updates were submitted in July 2022 to the Major Projects Portal. DPE has approved the below management plans on either 5/8/22, 8/8/22 or 12/8/22:
 - MTW Environmental Management Strategy
 - MTW Air Quality Management Plan
 - MTW Noise Management Plan
 - MTW Blast Management Plan
 - Bowditch Biodiversity Area Management Plan
 - North Rothbury Biodiversity Area Management Plan
 - Condon View Biodiversity Area Management Plan
 - Putty Biodiversity Area Management Plan
 - Southern Biodiversity Area Management Plan (including Putty Road Offset Mgt Plan)
 - Warkworth Northern Biodiversity Management Plan
 - Goulburn River Biodiversity Area Management Plan
 - Seven Oaks Biodiversity Area Management Plan
 - MTW Aboriginal Heritage Management Plan
 - MTW Historic Heritage Management Plan

Management Plans / Reporting

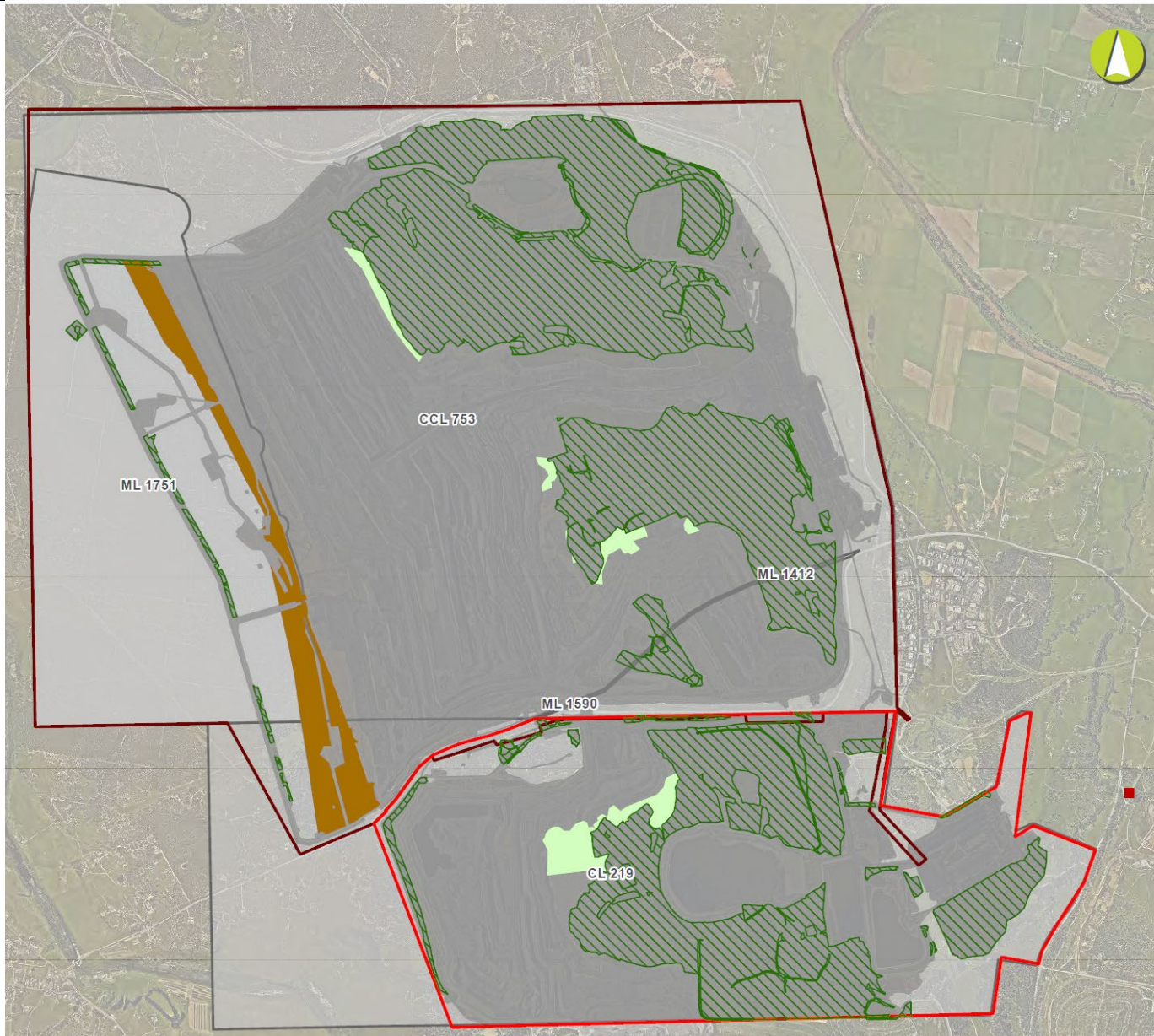
- MTW has prepared a **Rehabilitation Management Plan** in accordance with the provisions of the Mining Act 1992 and the operational rehabilitation reforms.
- The RMP has been distributed for consultation to DPE, DPE-Water, BCD, and Singleton Council, and the CCC on 12/8/22.
 - Final Landform and Rehabilitation Status from RMP Figures on Following Slides

Management Plans / Reporting



RMP Final Landform contours

Management Plans / Reporting



LEGEND

Project Approval Number

- SSD 6464 - Warkworth
- SSD 6465 - Mount Thorley

Current Authorisations

- Relevant Minerals Title

Forecast Area Type - Year 1 (2023)

- Ecosystem and Land Use Establishment (2023)
- Forecast Disturbance (2023)
- Previous Rehabilitation
- Previous Disturbance

RMP Rehab Status and Planned Rehab 2023

Mount Thorley Warkworth Complex

Mining and Rehabilitation
Year 1 - FY2023
PLAN 2A

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

Agenda

1. Welcome (Col)
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9. **General business**
10. Next meeting

NSW Minerals Council - Environmental Excellence Award MTW



- In 2016, critically endangered regent honeyeaters were discovered nesting on land owned by Yancoal Australia's Mount Thorley Warkworth in northern NSW.
- A key threat to the regent honeyeater is the noisy miner, a pest bird that chases honeyeaters from their breeding grounds and destroys nests.
- In collaboration with the Australian National University and Australian Vertebrate Pest Management, the mine implemented a new program to manage noisy miners and to help protect the regent honeyeaters.
- The program has cleared noisy miners from over 785 hectares of regent honeyeater breeding habitat, allowing regent honeyeaters and many other threatened bird species to breed safely.
- Click video link to learn more about the program, which won the Environmental Excellence Award at the 2022 NSW Mining Health, Safety, Environment and Community Awards.

[Video Link](#)



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
- 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 Council - 2022 Singleton Business Excellence Awards
- Singleton Council - Christmas on John Street 2022
- Singleton Golf Club Lady Members – Christmas on John Street 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
- Westpac Rescue Helicopter Service – Hunter Valley Mining Charity Rugby League Day 2021
(Applicant from 2021 CSP, event postponed to September 2022 due to COVID.)



Community update

Community Support Program

- Made possible with a 2 year partnership from Yancoal Community Support Program (MTW and Ashton Coal mines) with 11 Singleton Schools.
- VWB approach embedded in these schools to support resilience and mental health.



Visible Wellbeing [short video](#) from the Singleton Schools – 18 July 2022 at the completion of a 2 year program.

Singleton

Visible Wellbeing

Showcase

See VWB in action across the Singleton Cluster

Join 11 schools and Order of Australia recipient, Professor Lea Waters, to discover the innovative ways in which Singleton has embedded the VWB approach to support resilience and mental health. Hear directly from the students and learn directly from the staff.



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)
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 - Progress of the project, environmental monitoring and performance, community complaints
8. Other agenda items
9. General business
10. Next meeting

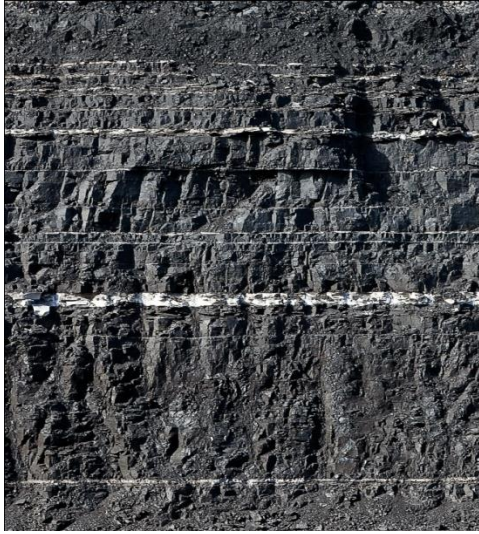
Future Dates

Next Meeting Date

Date: Wednesday 23 November 2022

Time: 2:00PM - 4:00PM

Location: Boardroom, North Warkworth Building



Mount Thorley Warkworth Community Consultative Committee (CCC)

BUSINESS PAPERS August 2022

Contents page

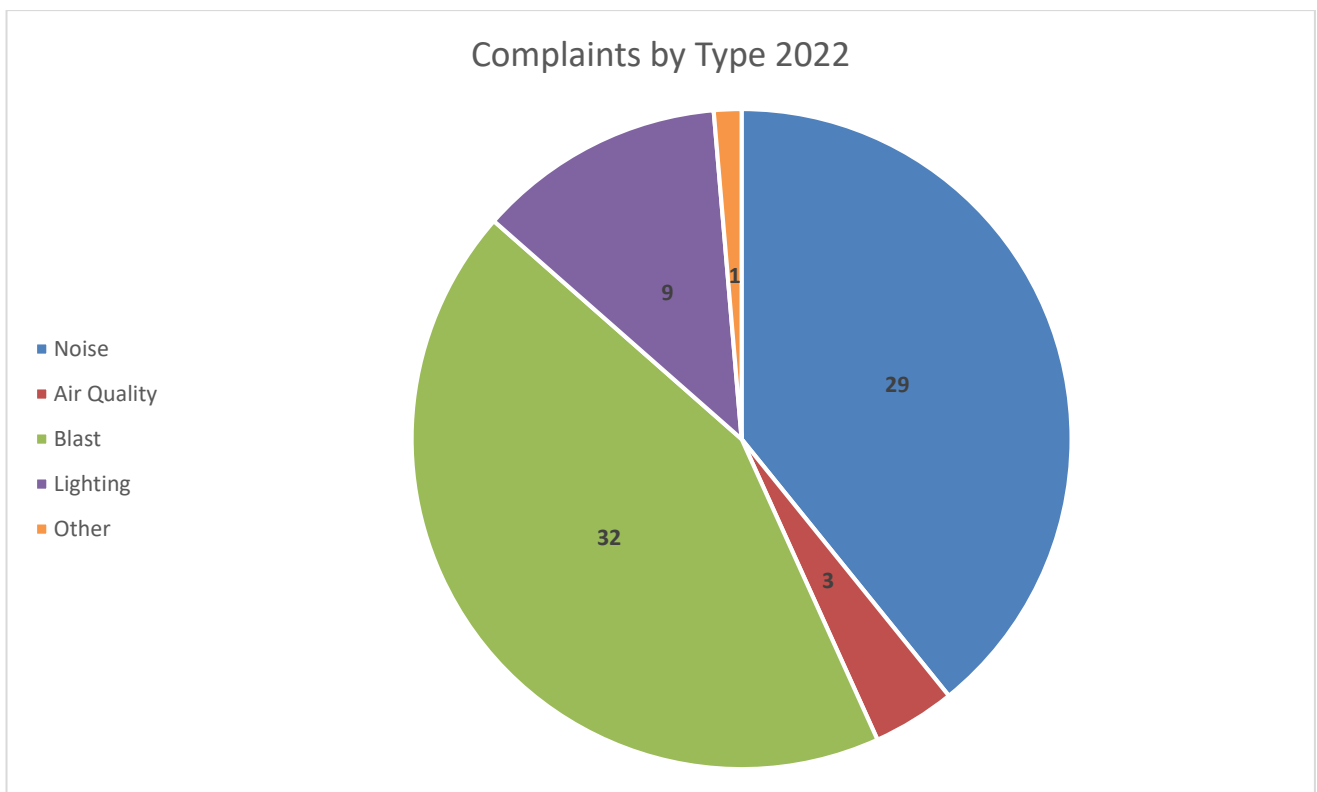
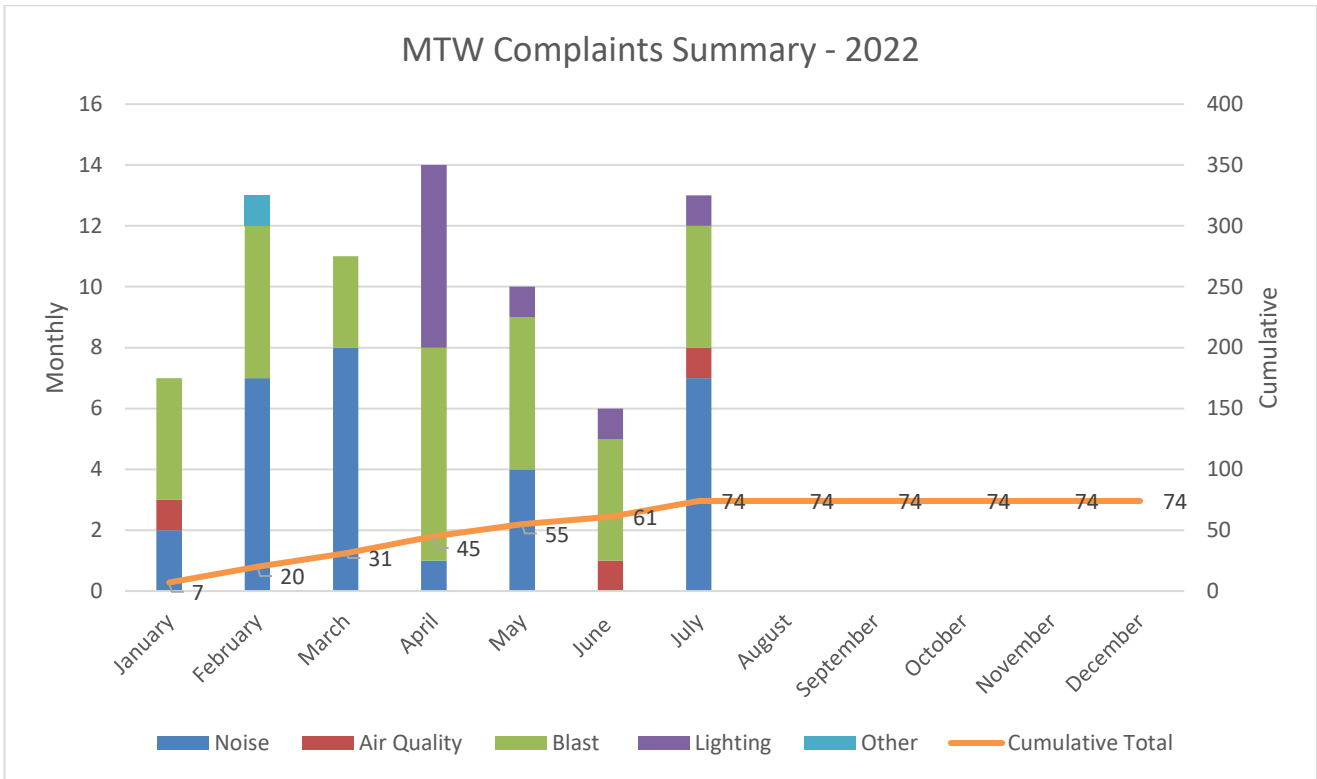
1	Complaints.....	3
2	Incidents	4
3	Environmental Monitoring.....	5
4	Rehabilitation Plan	6
5	Website Uploads	12
6	Yancoal Community Support Program	13

Appendices

- Appendix A – Environmental Monitoring Report March 2021 (included as not provided subsequent to February 2022 CCC Meeting)
- Appendix B – Environmental Monitoring Report April 2022
- Appendix C – Environmental Monitoring Report May 2022
- Appendix D - Environmental Monitoring Report June 2022 (to be provided at a later date)

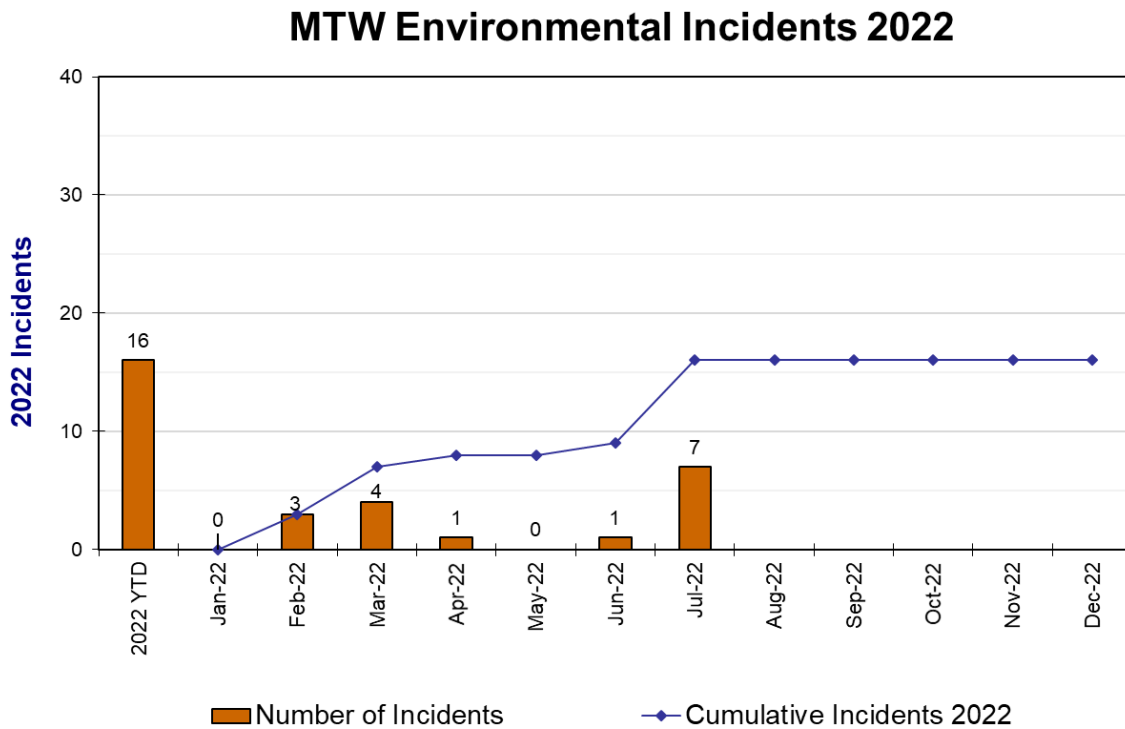
1 COMPLAINTS

Complaints overview for period – 1 January 2022 to 31 July 2022



2 INCIDENTS

Environmental incidents overview for period – 1 January 2022 to 3 July 2021



Incident Summary for the period 1 May 2022 to 31 July 2022

Date	Details	Key Actions	Aspect
25/06/22	Minor hydrocarbon spill to ground at North Out of Pit (NOOP) Dam construction from Excavator 312.	Hydrocarbon containment measures implemented using earthen bunding and spill kits. Remediation of area conducted in consultation with E&C team.	Hydrocarbon
3/07/22	Sediment dams 53N, 54N and 55N overtopped due to rainfall event between 3 and 7 July 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 18/07/22.	Water Discharge
3/07/2022	CC5 Coal Conveyor Sump overtopped due to rainfall event between 4 and 5 July 2022.	Pollution Incident Response Management Plan triggered, and agencies notified including EPA, DPE and RR. Sump dewatered post the rainfall event. Written report provided to EPA, DPE, RR on 18/07/22.	Water Discharge

Date	Details	Key Actions	Aspect
5/07/22	MTCL 52 ML Dam and Bin 2 Basin overtopped due to rainfall event between 3 and 8 July 2022.	Pollution Incident Response Management Plan triggered, and agencies notified including EPA, DPE and RR. Dam's dewatered post the rainfall event. Written report provided to EPA, DPE, RR on 18/07/22.	Water Discharge
5/07/22	Mine water dam 1S overtopped due to rainfall event on 5 July 2022.	Pollution Incident Response Management Plan triggered, and agencies notified including EPA, DPE and RR. Dam dewatered post the rainfall event. Written report provided to EPA, DPE, RR on 18/07/22.	Water Discharge
20/07/22	During attended noise monitoring there was an exceedance measured at Wambo Road, Inlet Road and Inlet Road West monitoring on the 20/07/2022.	Residents notified of noise exceedance. Follow up monitoring on 27/07/22 was within noise limits. DPE and residents will be notified of return to limits.	Noise
26/07/22	Minor chemical spill (hydrocarbon) to ground at North CHPP.	Hydrocarbon containment measures implemented using spill kits. Remediation of area conducted in consultation with E&C team.	Hydrocarbon

3 ENVIRONMENTAL MONITORING

Monthly summaries of environmental monitoring for the period 1 May 2022 to 31 July 2022

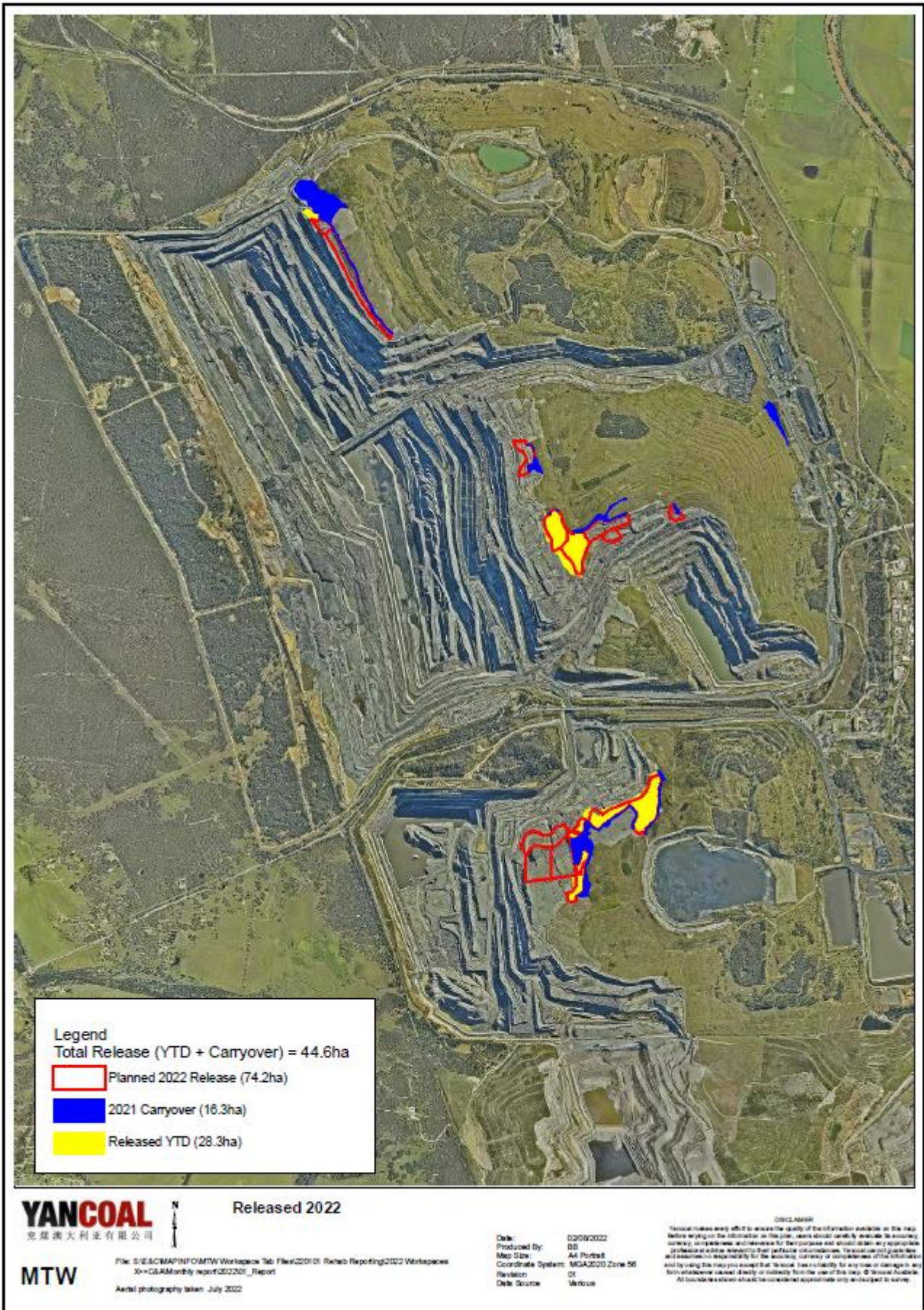
- **March 2021** - Attached as **Appendix A** (included as not provided subsequent to May 2022 CCC Meeting)
- **April 2022** - Attached as **Appendix B**
- **May 2022** - Attached as **Appendix C**
- **June 2022** – **Appendix D** (to be provided at a later date)

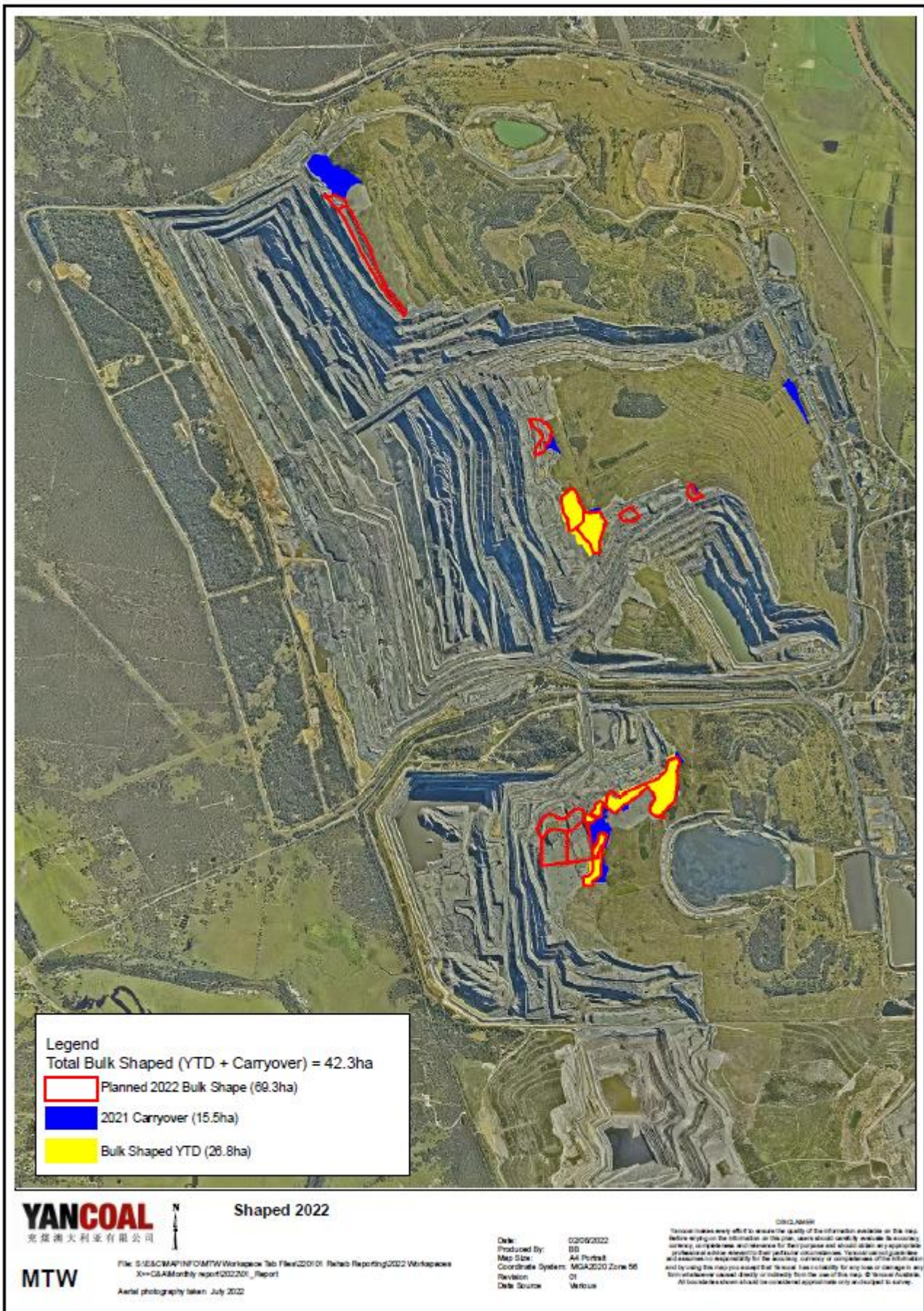
4 REHABILITATION PLAN

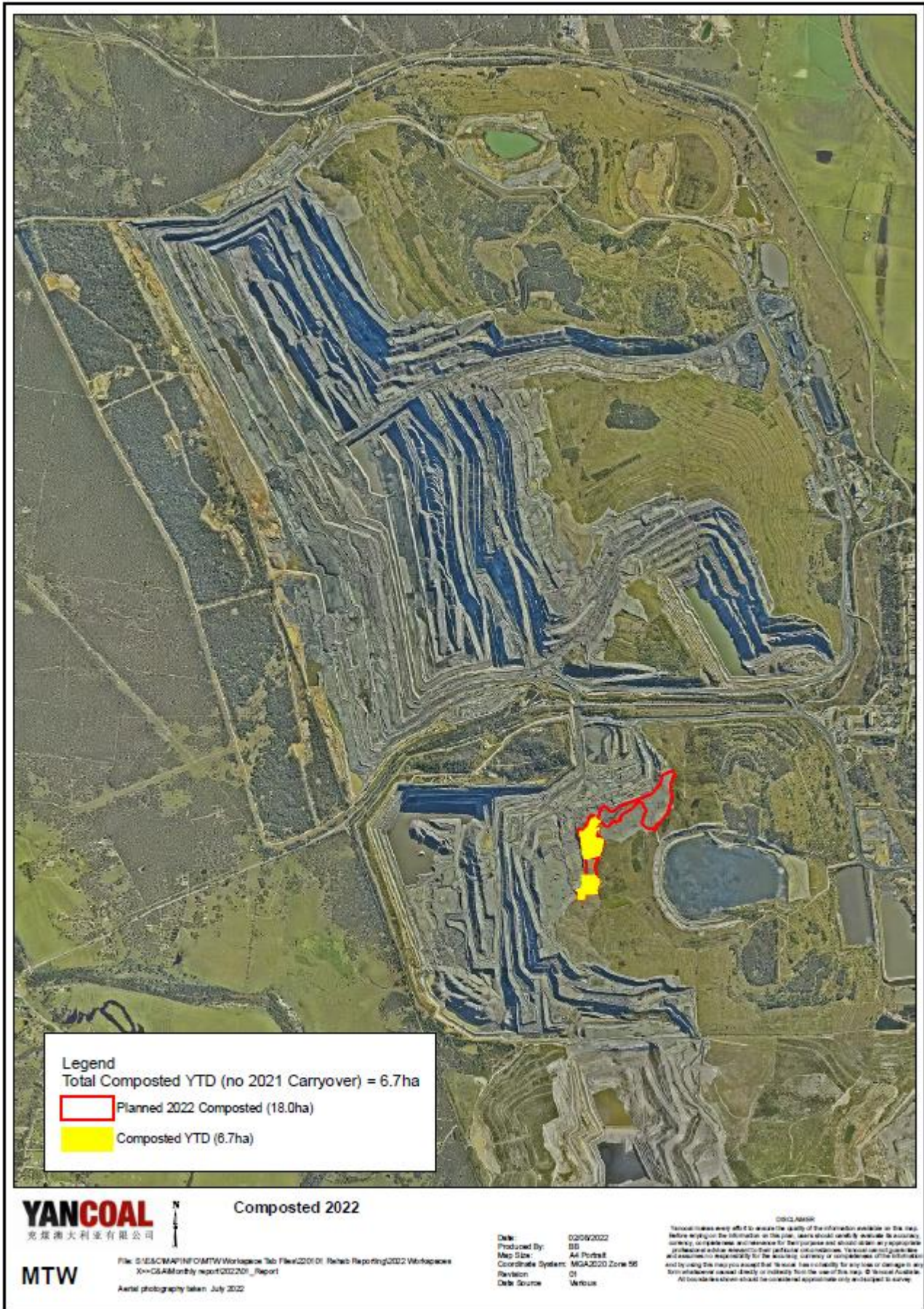
The rehabilitation planned for 2022 is 35ha which is consistent with the Mining Operations Plan (MOP) rehabilitation target for 2022. The planned total disturbance is 80.5ha, which includes 38ha of rehabilitation disturbance mainly associated with construction of the North Out of Pit (NOOP) Dam.

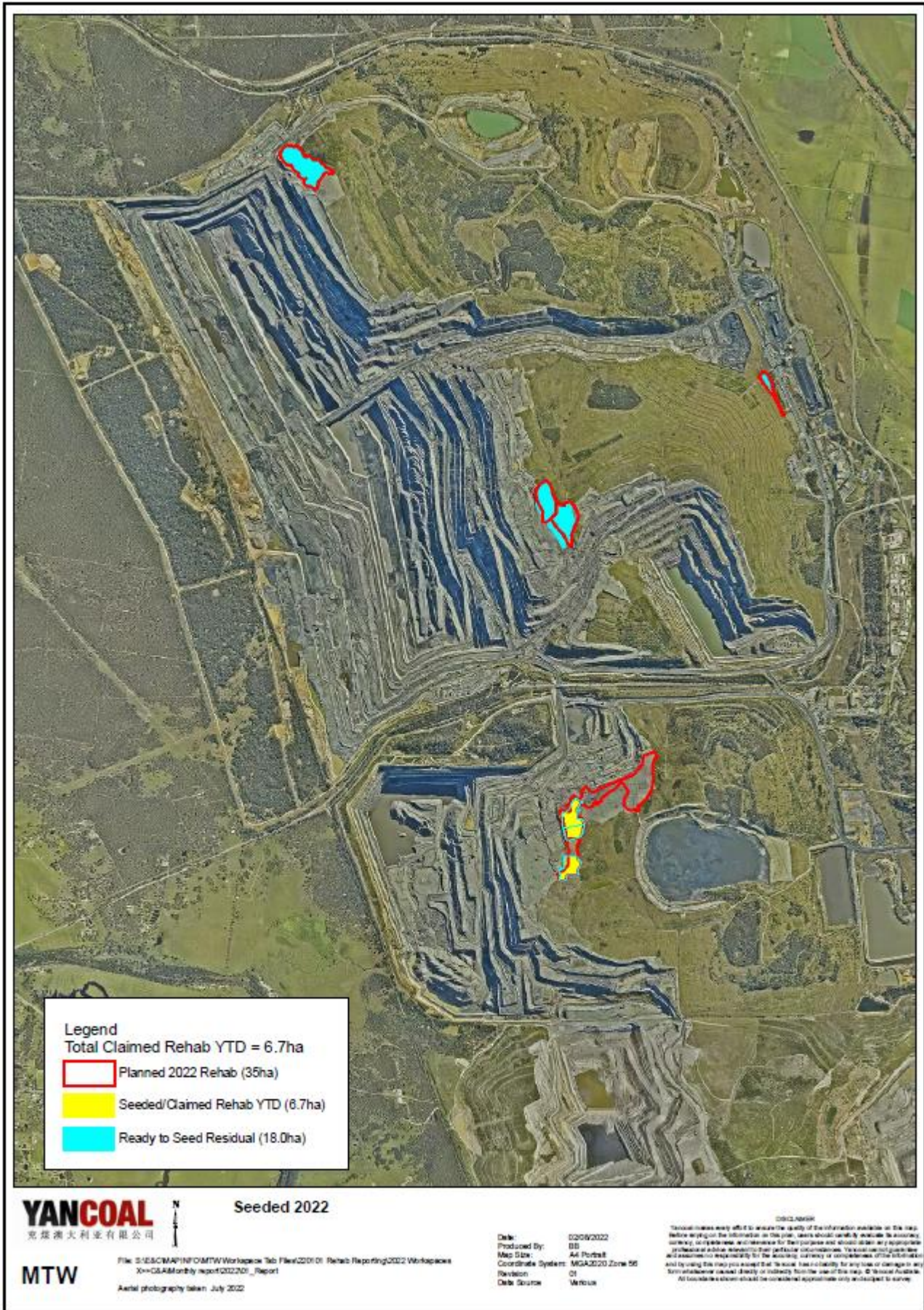
The rehabilitation and disturbance progress to the end of July 2022 are presented in the maps below. There is currently 42.3ha of rehabilitation area where bulk shaping has been completed and 24.7ha of this area has been progressed to be ready for seeding. The planned total bulk shaping amount for 2022 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.

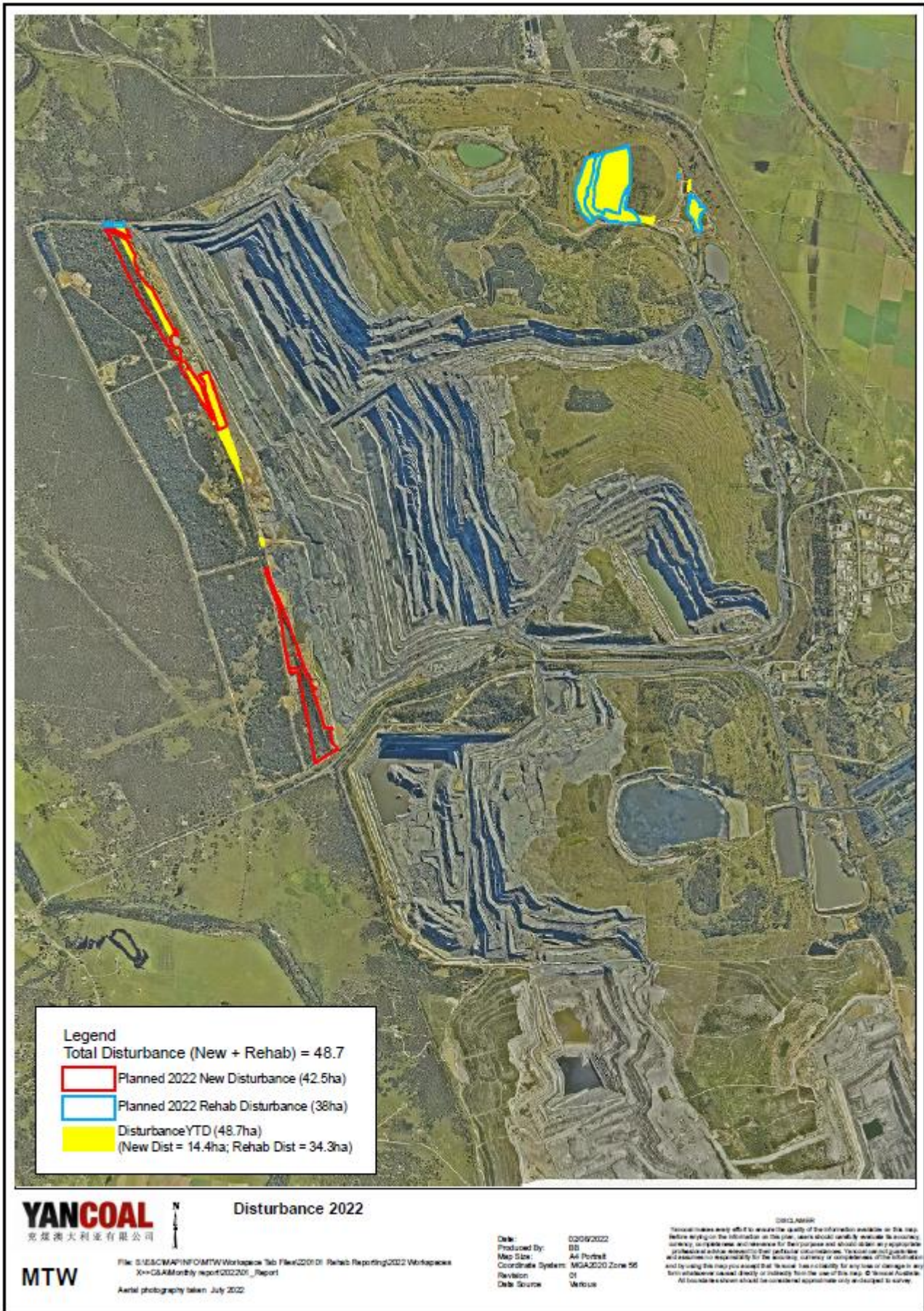
Disturbance completed to the end of July was 48.7 ha, 34.3ha of this was rehabilitation disturbance related associated with the NOOP dam construction.











Website Uploads

The table below is a list of all new documents uploaded to the MTW's website from 3 May 2022 to 1 August 2022. Please refer to MTW's new website under "Environment":

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

Document Title	Upload
EPBC 2002/629 and EPBC 2009/5081 Annual Compliance Report - 1 Feb 2021 to 31 Jan 2022	3/05/2022
MTW Community Consultative Committee - February 2022 - Minutes, Presentation & Business Papers	25/05/2022
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data April 2022	26/05/2022
MTW Community Consultative Committee - May 2022 - Minutes, Presentation & Business Papers	20/06/2022
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data May 2022	29/06/2022
Wollombi Brook Aboriginal Cultural Heritage Conservation Area - Plan of Management	19/07/2022
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data June 2022	23/07/2022
Warkworth Continuation Project Development Consent (SSD-6464)	29/07/2022
Mount Thorley Warkworth Environmental Monitoring Report March 2022	2 August 22
Mount Thorley Warkworth Environmental Monitoring Report April 2022	2 August 22
Mount Thorley Warkworth Environmental Monitoring Report May 2022	2 August 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
- Life Education NSW - Covid Recovery – Health & Wellbeing program for children in the Singleton LGA.
- Samaritans Foundation – Diocese of Newcastle - Christmas lunch in Singleton 2022.
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- Northern Agriculture Association Inc (NAA) – Singleton Show & Camp Draft 2022
- Singleton Theatrical Society - 2022 Musical – Mamma Mia

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

Appendix A: March 2022 Monthly Environmental Monitoring Report

Appendix B: April 2022 Monthly Environmental Monitoring Report

Appendix C: May 2022 Monthly Environmental Monitoring Report

Appendix D: June 2022 Monthly Environmental Monitoring Report

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