

**Minutes of the Mount Thorley Warkworth
Community Consultative Committee Meeting Q1 2023**

Date: Wednesday 22 February 2023

Location: MTW

Time: 2pm – 4pm

Attendees

Colin Gellatly (CG - Chair)
Gary Mulhearn (GM)
Robert Carter (RC)
David Bennett (DB)
Barb Brown (BB)
Denis Maizey (DM)
Stewart Mitchell (SM)
Ian Hedley (IH)

Role

Independent Chairperson MTW CCC
MTW Environment & Community Manager
MTW Environment & Community Advisor
MTW General Manager
Community Representative
Community Representative
Community Representative
Community Representative

1. WELCOME

- CG opened the meeting and welcomed CCC members.

2. APOLOGIES

- CG advised apology received from Neville Hodgkinson (NH), and Antoinette Silk (AS)

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 23 November 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.*

- DM enquired whether noise exceedances measured by external noise consultant are a non compliance. GM advised that noise exceedances measured by our external noise consultant are a non-compliance and are required to be reported to the DPE. GM advised this occurred in July 2022 and was reported. GM advised that MTW has invested in improved hand held noise monitors with the aim to identify low frequency content in the field with our own Community Response Officer (CRO) noise assessments.

Follow on Actions from Business Arising:

Action 1: SM asked that details of herbicides used for African Lovegrass is shared with the CCC.

5. CORRESPONDENCE

- 24/11/2022 – Letter from community to CCC shared per request at CCC meeting
- 24/11/2022 – DPE contact details for Joe Fittell shared
- 21/12/2022 - MTW CCC Meeting 23 November 2022 - Draft minutes
- 16/01/2023 - DPE contact details for Stephen O'Donoghue shared
- 20/01/2023 - MTW CCC Meeting 23 November 2022 – Final minutes endorsed by Chair
- 24/10/2022 - MTW Community Support Program 2023 - Applications Open
- 6/02/2023 – Advice on nominations for the EPA Upper Hunter Air Quality Advisory Committee
- 9/02/2023 - Upcoming CCC Meeting Wednesday 22 February 2023 – Agenda and 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. Also advised of opportunity for some coal extraction in the MTO pit during backfill of the pit.
- DM asked how many benches are where the dragline operates. DB advised the dragline typically operates on one bench in the lowest pass.
- SM enquired about overburden emplacement along the boundary between MTO and Bulga Coal. DB advised this is to achieve the approved final landform between the operations.
- DM asked whether an audit of overburden dump heights is completed. DB advised that we have registered surveyors that complete regular surveys by LIDAR which confirms the current dump landform elevations.
- IH asked about progression with overburden emplacement within South Pit. DB provided an overview of how the overburden emplacement within South Pit is progressing and is planned to progress, with commentary on dumping strategy given the water currently in South Pit, and still the opportunity for future underground operations (decision still to be made on whether to progress with underground application) meaning that is considered in dumping progression.

Action 2: SM and DM asked for current and final landform height and drainage plan to be presented at next meeting.

North Out Of Pit Dam (NOOP)

Refer to presentation

- DB advised construction of the NOOP dam is continuing. An aerial photograph of the current progress was shown.
- IH asked about where accumulated water in the NOOP is pumped to. GM advised water is pumped into the adjacent Dam 1N after which it can be used in the CHPP, or sent to the southern water storage dams.

Modification – WML Workshop Modification Update

Refer to presentation

- GM advised that construction of the Ultra Class workshop that will allow for the maintenance of the new NHL trucks that do not fit into existing workshop facilities, commenced in November 2022 and has continued.

Exploration

Refer to presentation

- All exploration sites for 2022 and 2023 are on MTW owned land, and within mining and exploration tenements.
- The 2023 exploration program is expected to start in February located on Yancoal owned land – location shown on an air photo plan.
- BB asked what testing is undertaken on exploration bores. GM/DB advised that testing is undertaken for coal quality, geotechnical properties, and also gas content of the coal seam for fugitive emissions reporting. DB advised there are 10 parent group coal seams, within which exist over 100 individual coal plies, all of which have different coal thicknesses and coal qualities, and mining can extract down to 30cm seams.

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. GM advised that a new noise monitor that has been purchased is intended to identify low frequency content during CRO noise assessments.

Rehabilitation / Disturbance 2022

Refer to presentation

- GM advised that 90.0Ha of rehab is planned for 2023, and outlined where the areas are targeted in 2023.
- GM advised that the disturbance target for 2023 is also 90 Ha and outlined where these areas are proposed. GM explained that whilst the mine was awaiting signing of the Wollombi Brook Aboriginal Cultural Heritage Conservation Area, that part of the mine in the West Pit area was not advanced past the former Wallaby Scrub Road. This is a primary target for 2023 disturbance, to enable the mine to re-establish a normal and more efficient shape of the highwall and benches. The present disturbance in that area may be visible from Putty Road. GM advised that the disturbance target for 2023 includes disturbance associated with new sediment basins and catch drains.
- SM asked about the rehabilitation target and progress and disturbance progression. SM noted that in 2022 there was more disturbance than rehabilitation and this has been a repeated issue over the years. What does EPA say about this? GM advised that the rehabilitation areas are very close to the active mining dumps in the Warkworth mine, this can be seen when on site. GM also noted there are large areas of rehabilitation on top of the landform, that cannot be seen from the periphery.
- DB advised there we expect to see there will be less disturbance as we progress to the development consent boundary of Warkworth, similar to Mount Thorley, where no further stripping is possible.
- GM discussed the general landform for MTO, and also noted there will need to be a temporary stockpile to enable for construction of the final landform. GM noted that there will be highwall/cliff features in the approved final landform for MTO and pointed to these locations on the plan.

- DB indicated that both CHPP's will not need to operate in the last years of coal production, likely will go to one CHPP at that time.
- SM asked about water quality from rehabilitation slopes. GM advised we will be targeting to achieve background natural creek system salinity. GM advised there is currently a regulatory issue where the Hunter River Salinity Trading Scheme does not permit water with conductivity greater than 400µS/cm to be discharged outside the HRSTS scheme, and this is an issue for the entire mining industry to progress with the regulators.
- SM asked about final landform with respect to the height of Charlton Road / Charlton Ridge.

Action 3: Plans with final landform that are planned to be presented at next meeting should include the height of Charlton Road / Charlton Ridge for comparison.

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.
- GM advised there had been recent reports of sightings of dogs near the Southern Biodiversity Area and MTW had responded with a targeted dog control program.
- General discussion about vertebrate pests including dogs, and pigs. GM confirmed MTW continues to coordinate vertebrate pest programs with Local Land Services. IH noted that large landholders participate in the coordinated program, but smaller landholders may not have the separation distances to neighbours to undertake a vertebrate control program.

Weed Management 2022

Refer to presentation

- GM provided overview of weed management activities within operational and offset areas.

Northern and Southern Biodiversity Area (BA) Planting Program 2022

Refer to presentation

- GM provided overview of the Northern BA planting program, which includes construction of a sand stockpile pad, transportation of Warkworth Sands Woodland topsoil from ahead of mining areas to the Northern BA, and planting of approximately 10,000 plants delayed from 2022, and the 2023 plants too. Wet weather in 2022 delayed this work impacting haulage of the Warkworth sands.

Cultural Heritage & Historic Heritage

Refer to presentation

- GM provided an update on the next tasks for the approved conservation agreements for Wollombi Brook Aboriginal Cultural Heritage Conservation Area and the Loders Creek Aboriginal Cultural Heritage Conservation Area: Registration of the agreements, meeting with Cultural Heritage Working Group and Plan of Management Implementation Group. Also advised upcoming salvage of cultural heritage sites in 2023, and reconciliation of government and MTW Cultural Heritage data.
- General update on Historic Heritage maintenance activities provided.
- GM advised that Robert Carter (RC) present at today's meeting will have carriage of progressing Cultural Heritage and Historic Heritage matters going forward.
- SM enquired when a CHAG meeting may occur. GM advised that a date for a meeting will be suggested after annual reporting is completed and distributed to CHAG members.

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 September 2022, October 2022 and November 2022 were provided. December MEMR to be provided at a later date.
- DM asked about community complaints register being published on the website. GM advised the intention to commence a new style of reporting of community complaints in 2023.

Management Plans / Reporting

- Blast Management Plan update was submitted to DPE on 10 Feb 2023 after consultation with EPA (nil comment) on 20 Jan 2023. This updates the status of the Warkworth blast monitor to reflect there are no residences on privately owned land at this location.
- Environment Protection Licence 1376 –Annual Return for Warkworth 2021 submitted to EPA 24 Jan 2023.

8. OTHER AGENDA ITEMS

- **CHAG Meeting (from SM)**– GM advised that MTW is happy to convene a CHAG meeting in 2023 to discuss various Historic Heritage matters, and conservation funds.
- **Development Consents, Modifications and Mining Operations Plans (from SM)** – GM prepared a summary of modifications to consents and to Mining Operations Plans/Rehabilitation Management Plans, and also provided a summary of the regulatory change to the commencement of the requirement for Rehabilitation Management Plans (*refer to presentation for details*).
 - SM asked about which consents the mine was operating under, and GM advised it is the 2015 consents, these will be the subject of an independent environmental audit in 2023.
 - DM asked about the surrender of old development consents. GM advised that one has been formally surrendered by DPE, and one is not yet formally surrendered [*post meeting note: MTO consent was surrendered by DPE in 2019, and WML consent surrender has been submitted to DPE process but not yet completed*].

9. GENERAL BUSINESS

General Business MTW – MTW Amenity Resource

- GM advised that the offer in our December 2022 newsletter for potable water tank cleans and under sink water filters has been taken up by some members of the community, and implementation plan being developed to progress.

General Business MTW – MTW Family and Community Day

- GM advised that MTW is planning for a family and community day on site in May 2023. MTW had been planning to hold a 40 year Family Day in 2021, but couldn't due to COVID. Invitations will be sent to neighbours in Bulga and surrounds and will be on two consecutive Saturdays to get across more of the on-shift workforce.

General Business MTW – MTW Voluntary Planning Agreement Funding

- GM advised that MTW has made the annual payment to Singleton Council in January 2023. Projects are progressing in local area. GM advised that he commenced attending the VPA committee as MTW representative, taking over from Yancoal property team members who were formerly on the VPA committee.

General Business MTW - Community Support Program (CSP)

Refer to presentation

- GM advised the 2023 Community Support Program advertising occurred over September-October 2022 with applications closing 4 November 2022. 21 applications were received. The 16 organizations being supported in 2023 were provided in the presentation.
- SM asked if the amount of financial support could be shown in the information to CCC members.

Action 4: Community Support Program value of support be included in presentation to CCC members at next meeting.

General Business - CCC Members

- IH provided an update on Telstra progress with mobile phone reception, unfortunately information from Telstra is not very detailed at this stage. Awaiting a response to an email from Telstra, and IH will share with MTW to distribute to CCC members when received. Telstra has advised that funds have been committed but the process is required to find land/progress tower location. Telstra also advised they are a business with shareholders and does not have obligation to provide coverage to all areas.
- SM enquired about the entry gate off Putty Road, and whether there has been an outcome of the referral of the intersection of the former Wallaby Scrub Road. GM advised the request was referred to the Singleton Council via HJ some time ago, and we are not aware of the outcome of the assessment. GM will follow up with Council on whether an outcome was achieved. GM reminded SM that the former Wallaby Scrub Road was a public road. GM advised that MTW is permitted to utilize secondary access gates for access to the site (e.g. exploration, equipment shut maintenance, environmental matters), but not for main workforce access to the mine.
- SM asked what the saleable production was for 2022, with SM noting that MTW has previously been up to 12 Mt. DB advised 2022 was approximately 8.1Mt, this was a significantly wet weather affected result to a normal drier year.
- SM asked for where coal from MTW goes, and asked about coal going to China. DB advised export markets of Japan, Korea, Taiwan, some to Europe. MTW coal would meet quality requirements for China, however the coal embargo affected all export to China in recent times.

- SM enquired about dust samples from Bulga Coal and analyzed by Queensland university for content. At SM property the sample was 21% was coal related dust. SM enquired about blast emissions which he had photographed
- BB – advised she had recently attended *Hunter Renewal - After the Coal Rush* meeting, and asked if MTW or Yancoal were invited to attend. GM advised we were not aware of nor invited to the event. BB commented that those events could benefit from resource companies being invited to their events. GM advised that Yancoal and broader mining industry is active in discussing and considering mine closure in our business.
- DM – Air quality and dust – asked about the location of the Wambo Road monitor, and whether it is in the right location. DM noted this is right at the end of the Wambo Road before dirt road commences. GM advised that this location used to be on the eastern side of the Wollombi Brook, and this was moved closer to residences than where it was previously. GM noted that consultation with DPE was undertaken as part of the AQMP update for that location.
- DM asked about depositional dust study and how much coal may be in deposited dust, and that Bulga Coal had previously done this.
- DM expressed frustration with return calls regarding complaints having No Caller ID.
- DM indicated he made an anonymous call about a traffic issue in the 80kph zone and asked if a toolbox talk was issued in response to that. GM indicated we had received the call to the complaint line, but it was difficult to follow up as there were no details to find out more. DB indicated that if DM were able to provide details regarding vehicle we would be happy to follow that up with the individual involved.
- DM stated the end of mining at MTW is to occur in 2037 with no more open cut mining permitted by the NSW Government by way of the 2.5km exclusion zone. However, as a Wambo Rd resident I'm gravely concerned that it may not be the end of Open Cut Mining of this area if there were to be a redefining of the Bulga Village boundary or the changing again of the SEPP. Therefore, I am asking if Yancoal – MTW will enter into a Deed of Agreement in Perpetuity that the remaining areas of their lease not include Open Cut Mining. GM advised that MTW owns property and mining leases west of current approved mining operations, and MTW would not enter into a Deed of Agreement. GM advised that MTW is not able to apply for open cut mining within the Bulga open cut mining exclusion zone that exists on the Mining SEPP, and that was discussed when DPE attended a previous CCC meeting.
- HJ – asked about mine tour upon request for her, apprentice intake details, and whether MTW is going down the path of automation. DB advised mine tour upon request for HJ is no problem, we have a number of apprentices at MTW (but doesn't have numbers at hand), and automated truck opportunities may work well in iron ore mines, but not likely at MTW as it is too complex a site.

Action 5: Enquire with Bulga Coal on the dust study mentioned by SM.

10.NEXT MEETING

Next CCC Meeting: Wednesday 31 May 2023, 2pm

MEETING CLOSED 4:00pm.

SUMMARY OF ACTIONS

Action 1: SM asked that details of herbicides used for African Lovegrass is shared with the CCC.

Action 2: SM and DM asked for current and final landform height and drainage plan to be presented at next meeting.

Action 3: Plans with final landform that are planned to be presented at next meeting should include the height of Charlton Road / Charlton Ridge for comparison.

Action 4: Community Support Program value of support be included in presentation to CCC members at next meeting.

Action 5: Enquire with Bulga Coal on the dust study mentioned by SM.

Mount Thorley Warkworth (MTW)

Community Consultative
Committee (CCC)

Wednesday 22 February 2023

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

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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	Community Newsletter to be distributed within one month of CCC meeting.	Complete. Newsletter distributed 22/12/22. Example newsletter also provided to CCC members 10/1/23.
2	MTW to follow up on the requirements of the red light on the communications tower.	In progress. MTW installed the recommended obstacle lighting based on CASA published <i>Part 139 (Aerodromes) Manual of Standards 2019 (as amended)</i> ; and CASA Advisory Circulars <i>Obstacles (including wind farms) outside the vicinity of a CASA certified aerodrome</i> , and <i>Reporting of tall structures</i> . The tower has been registered by Air Services Australia as a tower with lighting on 27 July 2022. Air Services Australia split off from CASA in 1995 and maintains the Vertical Obstacle Database of tall structures for Australia. In addition, MTW has progressed direct contact with CASA for further confirmation regarding obstacle lighting requirements for the communications tower.
3	GM to follow with Denis the reference to noise assessments being averaged.	Complete. On 20/2/23, GM has advised Denis the Annual Review Report includes a summary of the supplementary hand held noise readings undertaken by Community Response Officer.
4	MTW provide opportunity for IH to talk to MTW land management contractors regarding herbicides used for different weeds including African Lovegrass.	Complete. Email to IH provided on 21/12/22.

4. Business Arising

Action No.	Action	Response/ Update
5	MTW to provide contact details for DPE Sydney office for any relevant enquiries from CCC	Complete. Contact details for Joe Fittell, and Stephen O'Donoghue provided to CCC members.
6	MTW to provide CCC members with the community letter provided to TS and MTW's response.	Complete. Letter emailed to CCC members 24/11/22.
7	GM to meet up with DM to explain measurements in Monthly Monitoring Reports, and also to discuss a land ownership enquiry.	Complete. Meteorological conditions under which noise limits apply were discussed, which are noted under the noise monitoring table in the Monthly Reports.

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MTW Operations

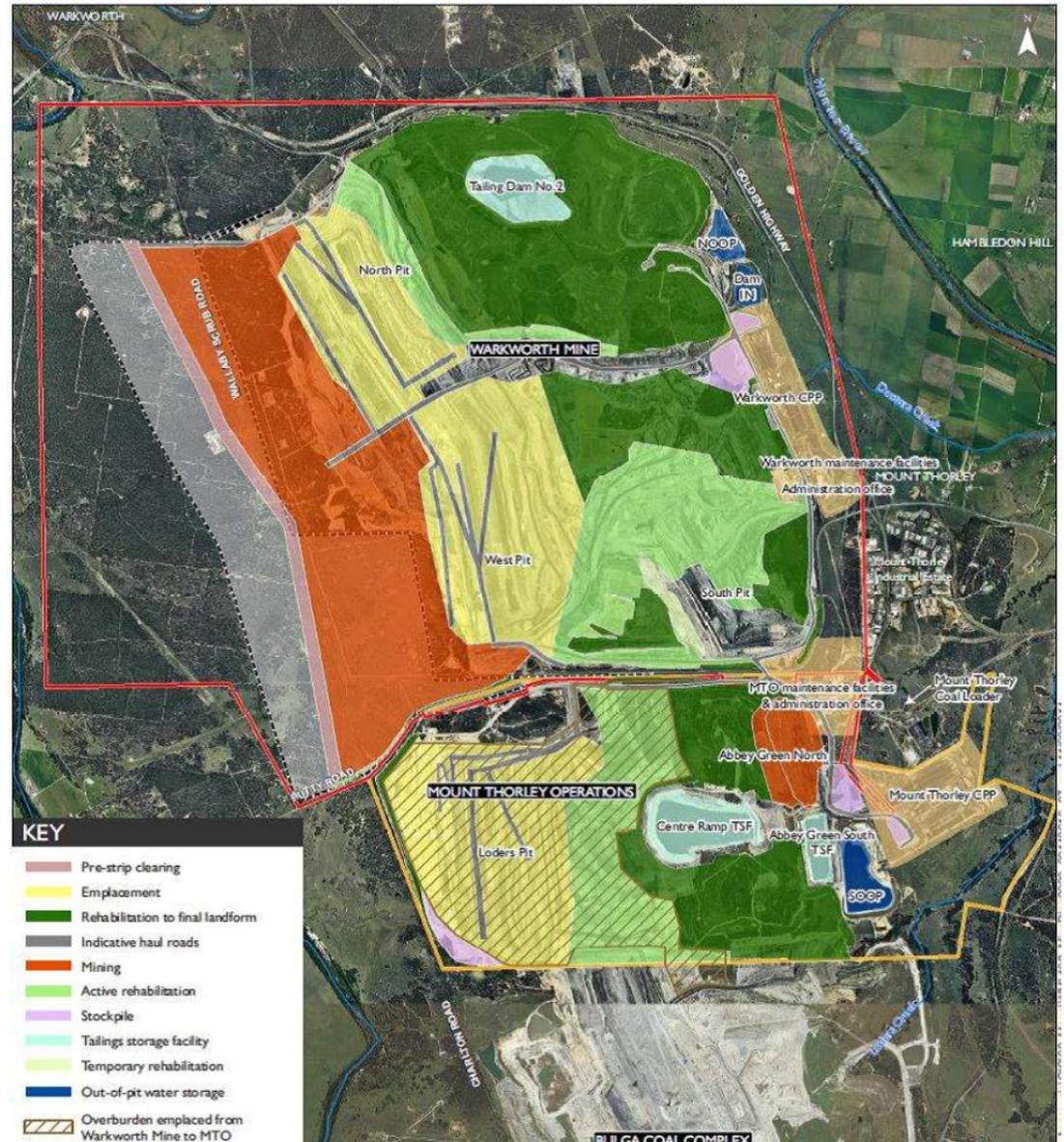
- MTO: Coal production ceased at MTO in early 2021. Load and haul waste will continue to be dumped in the pit from the WML. Opportunity for coal in western highwall benches during backfill operations identified.
- WML: DL103 has been working in the lower passes of North Pit while DL 101 is working in the lower passes of West Pit respectively
- WML: Normal load and haul operations have continued, easing of rainfall conditions since November have assisted.
- Coal processing and train loading normal operations.
- MTO: Licenced Hunter River Salinity Trading Scheme (HRSTS) discharge operations occurred in November and ceased 2 December 2022. Over **5.39 GL water discharged** from the Dam 9S MTO licenced discharge point during 2022.



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 commenced Q1 2023.



MTW Operations – NOOP Dam

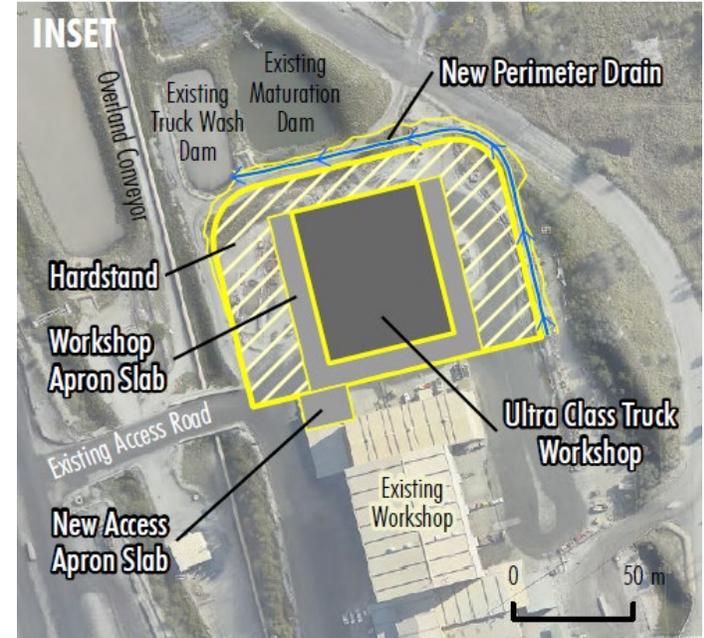
Construction progress 8 February 2023:



WML Ultra Class Workshop

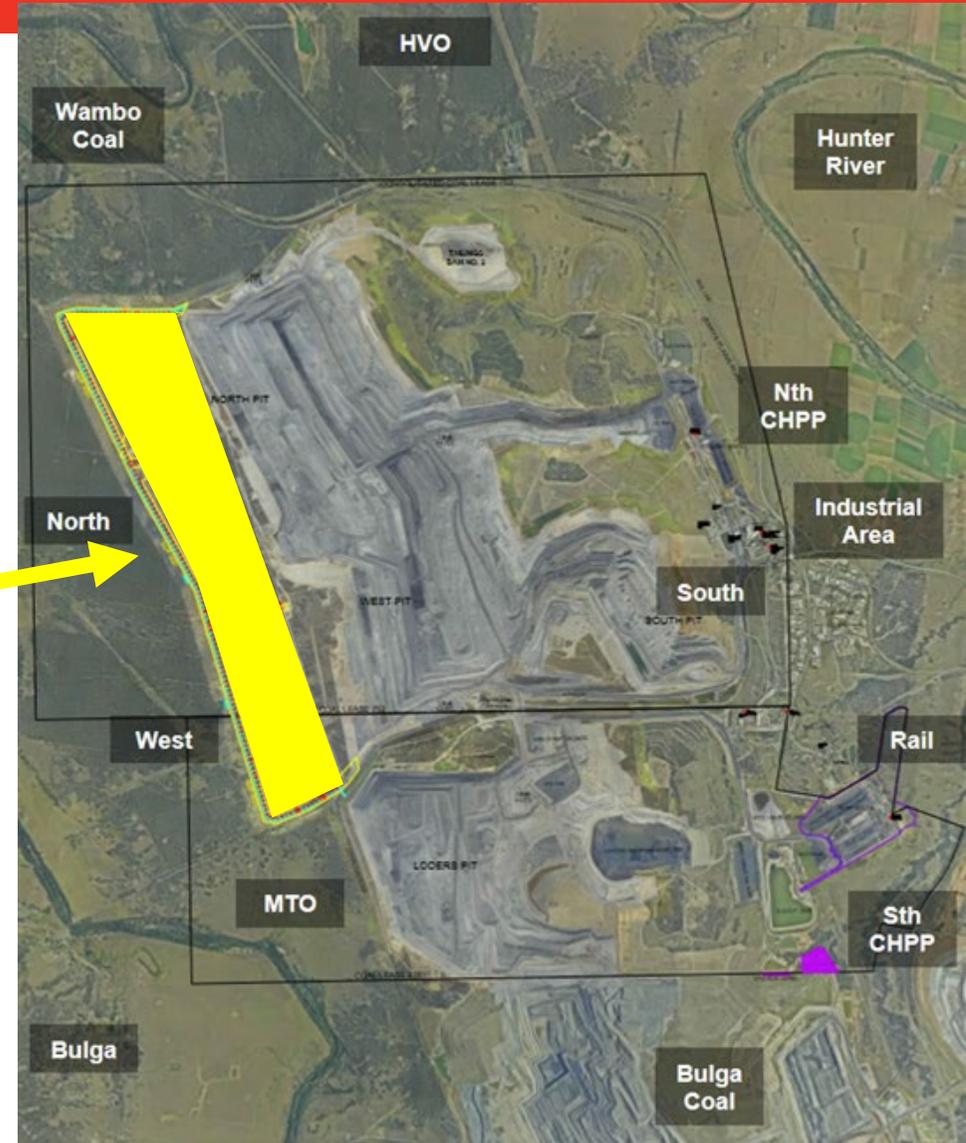


- The Warkworth Consent modification permits an extension to the existing workshop to service and house Ultra Class Trucks
- Construction commenced November 2022 and is progressing.



Exploration

- All exploration sites for 2022 and 2023 are on Yancoal owned land, and mining and exploration tenements.
- The 2023 exploration program is expected to start in February and is limited to the **yellow** area in the figure.



Exploration

The 2023 program includes:

- 20 Chip Holes also called Open Holes (OH). Drilled for seam depth and thickness confirmation.
- 12 HQ cored holes. HQ cored holes provide core at 63mm diameter. Drilled for coal quality analysis.

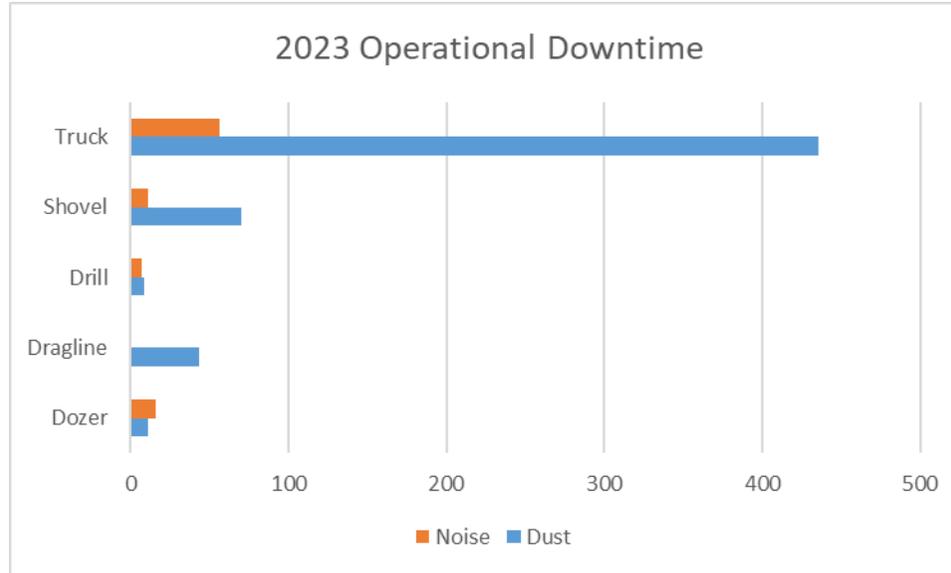


Exploration

- 3 large diameter (8 inch core) boreholes were drilled in 2022 for the purpose of coal quality & washability analysis.
- The large diameter holes are drilled to help the mine better predict the saleable coal quality and tonnages from each seam.



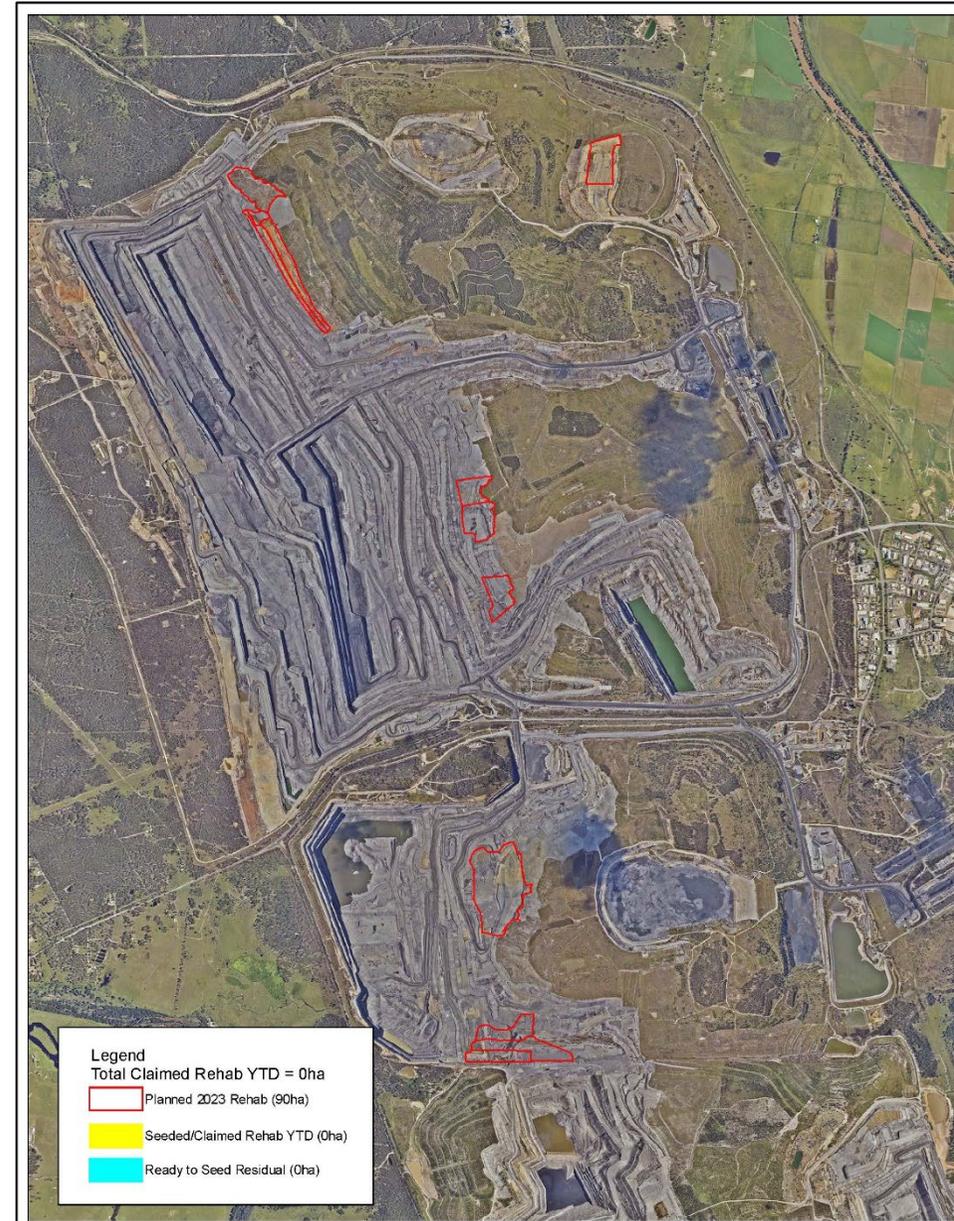
MTW Operations



MTW CRO Noise Monitoring YTD			
	# CRO Assessments	# Individual assessment above trigger	# Nights above trigger
2023 (YTD)	850	8	2
2022	7226	106	59
2021	7043	106	46
2020	7510	72	42

MTW Operations – Rehabilitation/ Disturbance 2023

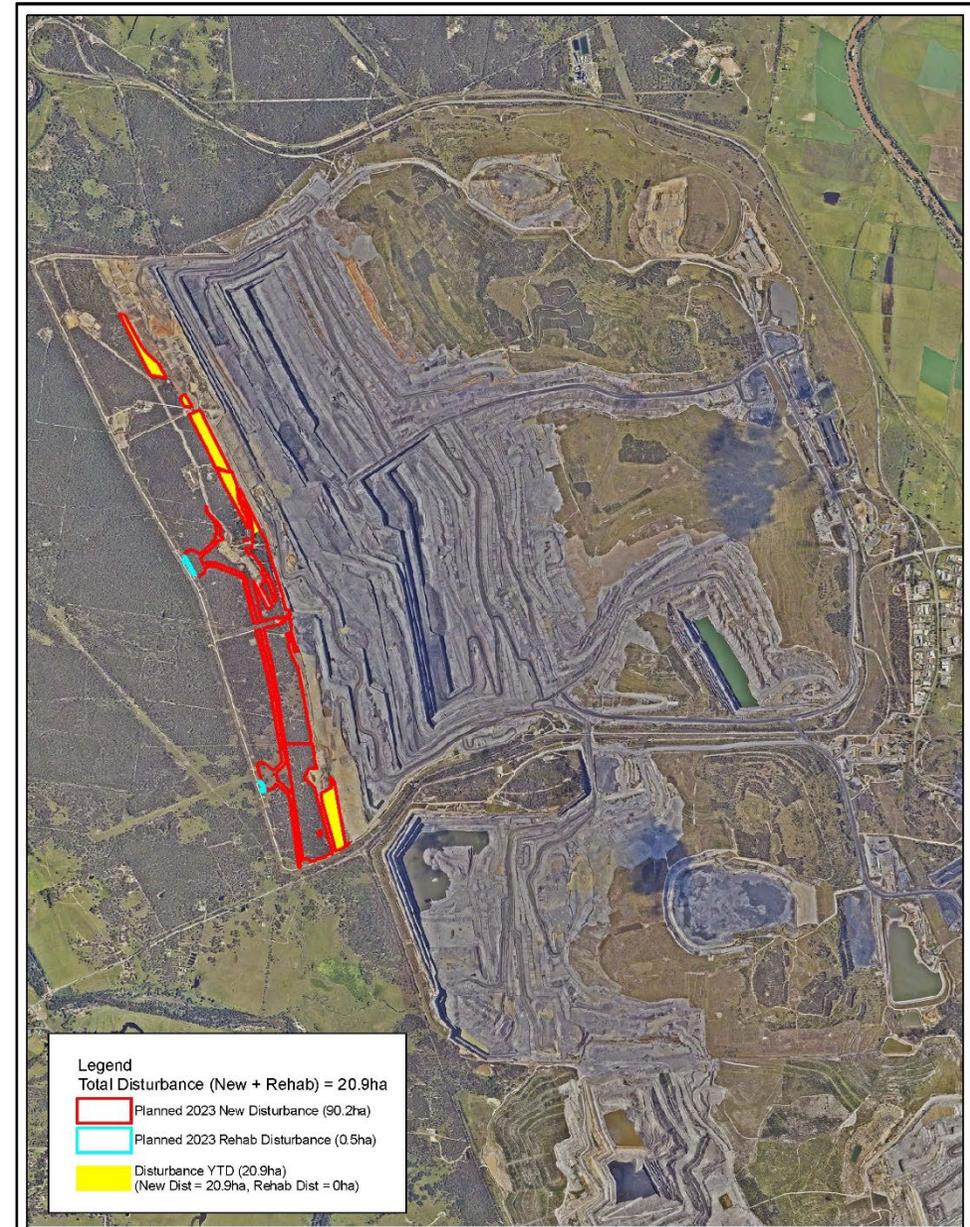
Rehabilitation reforecast for 2023 - 90Ha seeded (shown in red).



MTW Operations – Rehabilitation/ Disturbance 2023

Disturbance forecast for 2023 – 90.7Ha (New Disturbance and Rehab Disturbance shown in red and blue polygons respectively. Includes 0.5ha of rehab disturbance associated with construction of water management structures)

- Progress to end of January 2023:
 - Disturbed = 20.9ha



MTW Vertebrate Pest Management

2022 programs undertaken YTD:

- Feral pig trapping at MTW
- Kangaroo management at MTW
- 1080 ground baiting programmes targeting wild dogs and foxes at MTW and all Biodiversity Areas
- Thermal ground shoot at the Putty, Condon View and Goulburn River Biodiversity Areas
- Aerial shoot (NPWS) at the Goulburn River and Seven Oaks Biodiversity Areas
- Feral pig baiting at the Goulburn River Biodiversity Area
- Noisy Miner program at the Goulburn River and Bowditch Biodiversity Areas

The following 2023 programs have been scheduled:

- 1080 ground baiting programmes targeting wild dogs and foxes at MTW and all Biodiversity Areas in autumn and spring
- Noisy Miner program at the Goulburn River and Bowditch Biodiversity Areas
- Thermal ground shoot at the Biodiversity Areas
- Feral pig baiting at the Goulburn River Biodiversity Area
- Kangaroo management at MTW
- Additional programs as required

The 2023 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.

2022 Results

Vertebrate Pest Controlled	Total
feral pigs	244
deer	4
goats	3
rabbits	4
cats	3
hares	2

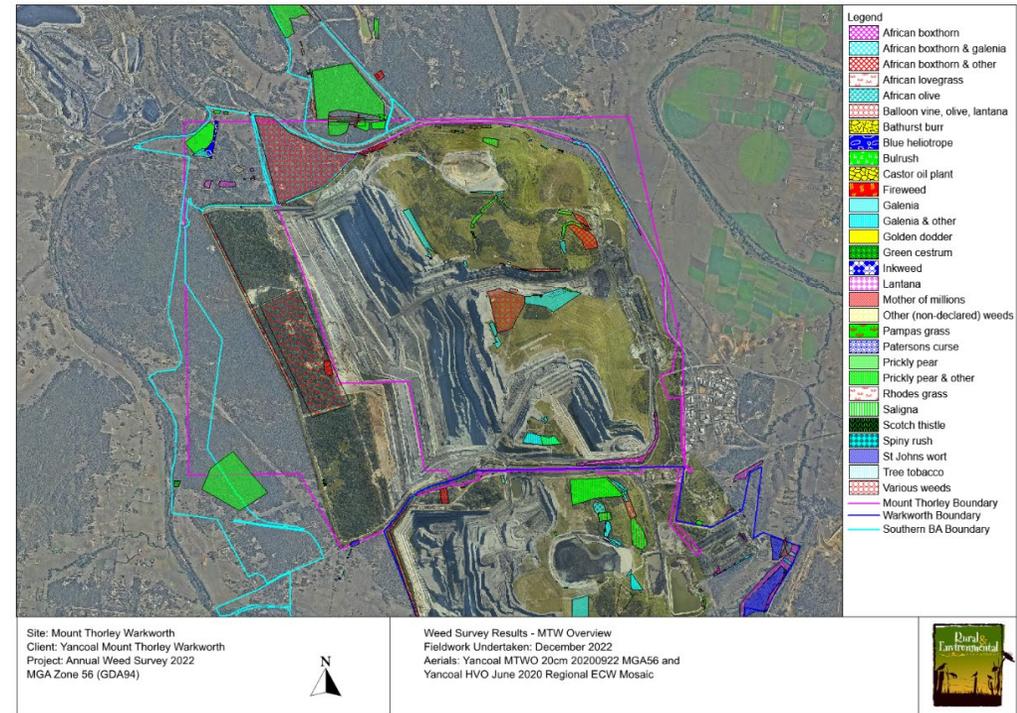


Feral pigs free feeding at the Goulburn River BA

MTW Weed Management

Weeds targeted in MTW operational areas in 2022 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*)



The annual weed survey was undertaken in December 2022 and identified:

- Six Weeds of National Significance;
- Seventeen weeds of priority (three more than 2021);
- Seventeen weeds that are not officially declared or listed (four more than 2021).

Species identified during the 2022 survey will form the basis of ongoing weed management works during 2023.

MTW BA Weed Management

Weeds targeted in the Southern and Northern Biodiversity Area in 2022 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 seafortianum*)
- 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 delagonesse*)
- Prickly Pear (*Opuntia stricta*)
- QLD Silver Wattle (*Acacia podalyriifolia*)
- Telegraph Weed (*Heterotheca grandiflora*)
- Tree of Heaven (*Ailanthus altissima*)
- Turkey Rhubarb (*Rumex sagittatus*)
- Whiskey Grass



Successful spray works targeting Lantana in SBA



Hand weeding conducted within and around tree guards

MTW Southern BA Planting Program

2022 planting program:

- Slashing and weed control of the 2022 planting area.
- Planting of 3,000 WSW plants in the SBA1 WS Grassland
- Infill planting of 4,400 WSW plants throughout the SBA.
- Infill planting of 7,000 CHGBIW plants in SBA4 and SBA5.
- Infill planting of 5,000 ROF plants in SBA4 and SBA5

2023 planting program:

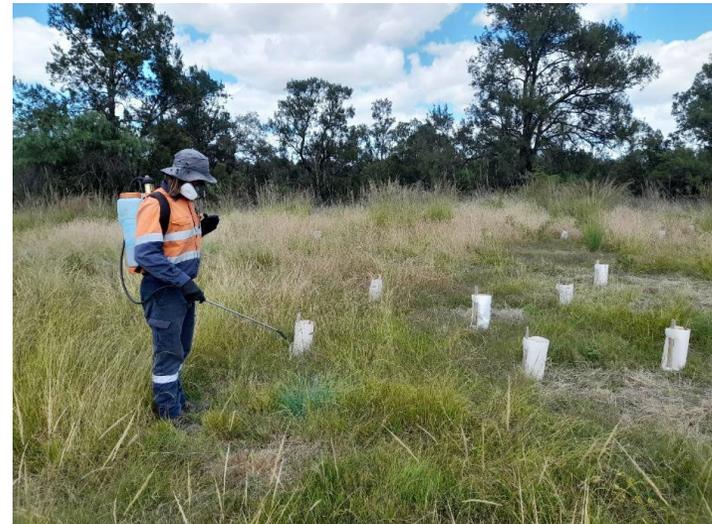
- Propagation of plants.
- Slashing and weed control of the planting areas.
- Infill planting of WSW, River Oak Forest and CHGBIW plants throughout the SBA.



Watering conducted in SBA1 WSW planting area



SBA5 infill planting area



Weed control in SBA1 WSW planting area

MTW Northern BA Planting Program

Warkworth Sands Woodland (WSW) 2022 program :

- New sand stockpile pad construction
- Weed control of planting areas.
- Propagation of WSW plants.
- Replacement of damaged tree guards.
- Planting of approximately 10,000 WSW plants has been delayed to 2023.

Warkworth Sands Woodland (WSW) 2023 program :

- Weed control of planting areas.
- Propagation of WSW plants.
- Slashing of the planting areas.
- Access track repairs.
- Transportation and spreading of WSW sand from ahead of mining at MTW.
- Seeding of sand strips with native grass mix.
- Planting of 2022 and 2023 WSW plants.



New sand stockpile pad constructed



Damaged tree guards replaced with new ones

Heritage Update

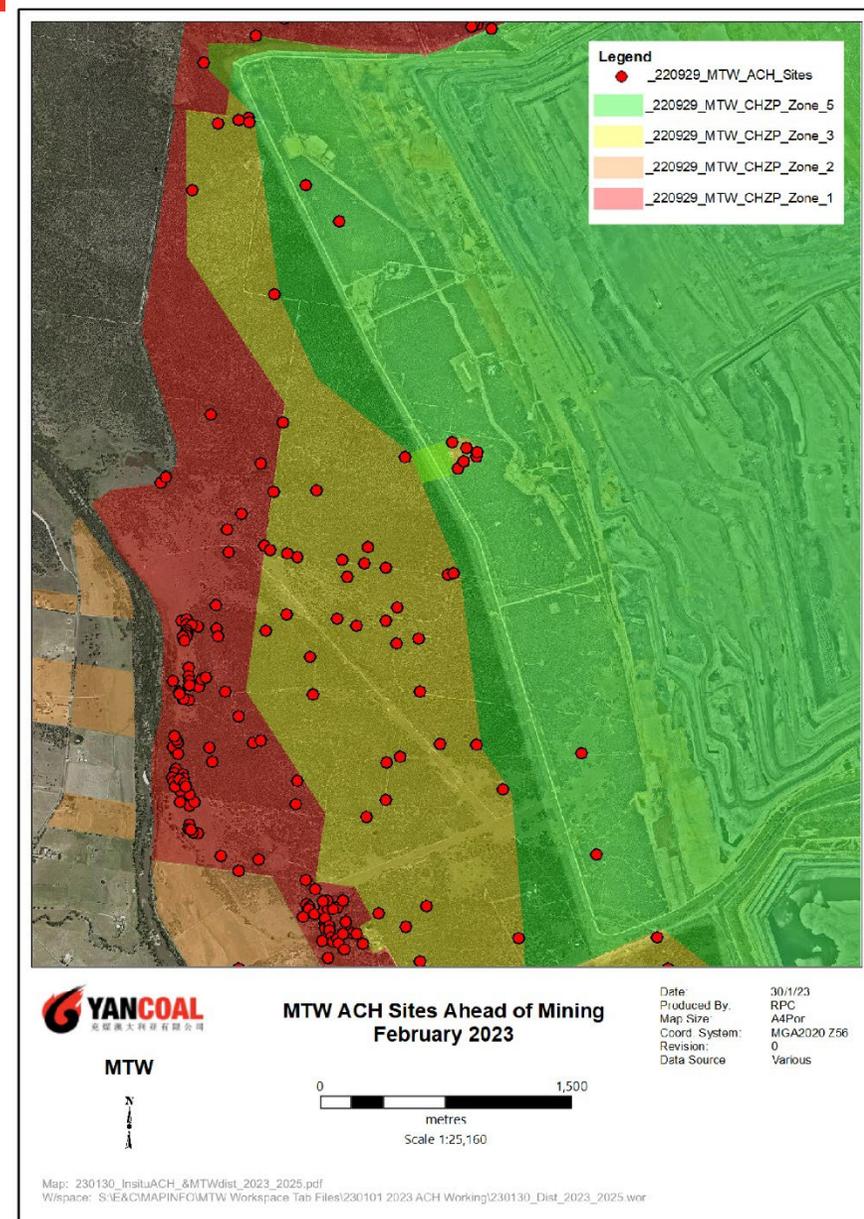
- Aboriginal Cultural Heritage Conservation Agreements finalised in 2022
 - WBACHCA – Wollombi Brook Aboriginal Cultural Heritage Conservation Area
 - LCACHCA – Loders Creek Aboriginal Cultural Heritage Conservation Area
- Cultural Heritage Working Group (CHWG), and Community Heritage Advisory Group (CHAG) meetings to be scheduled
- Conservation Area Plan of Management Implementation Groups (PMIG) to be scheduled
 - Review Management Plan actions & decide next steps
 - Commencement of Action Plan implementation
- Annual Compliance Inspections (ACH & HH) completed Dec 2022. Reports will be distributed to CHAG and RAPs (as relevant) once finalised.



MTW Aboriginal Cultural Heritage Conservation Areas

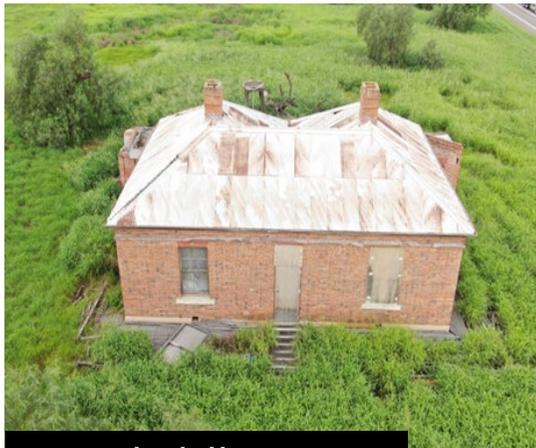
Key upcoming Cultural Heritage works

- Salvage remaining ACH sites with mine disturbance area during 2023
- Barricading maintenance
- Review site database against Heritage NSW AHIMS database



Key upcoming Historic Heritage work

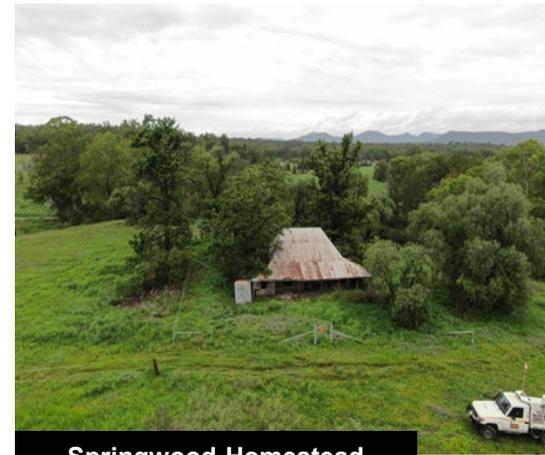
- Historic Heritage Management Plans project work being planned:
 - Jarvis House – re-secure after recent break-in, asbestos removal
 - RAAF Cook House – tree removal, asbestos removal, repairs for safety
 - Springwood – support structure, tree removal
 - Ongoing routine inspections & maintenance



Jarvis House



RAAF Cook House



Springwood Homestead

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 September 2022, October 2022, November 2022
- Appendix D – December 2022 MEMR to be provided at a later date.

Management Plans / Reporting

- Blast Management Plan update was submitted to DPE on 10 Feb 2023 after consultation with EPA (nil comment) on 20 Jan 2023. This updates the status of the Warkworth blast monitor to reflect there are no residences on privately owned land at this location.
- Environment Protection Licence 1376 – Annual Return for Warkworth 2021 submitted to EPA 24 Jan 2023.

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

Other Agenda Items

- **CHAG MEETING – Stewart Mitchell**

- Requested that CHAG meeting be convened.

Response

- MTW continues to maintain that CHAG meetings will only be called when this is deemed necessary. Consultation continues via correspondence, however, MTW is happy to convene a CHAG meeting in 2023 to discuss progress with Heritage Projects, and progress with Conservation Funds described in the consent (Historic Heritage Conservation Fund, Great North Road Conservation Fund).

- **MODIFICATIONS – Stewart Mitchell**

- request that Yancoal provide CCC members with a list and description of all Amendments and Modifications made to Conditions of Consent and to MOPs since mine extension approval, in accordance with Guidelines.

Response - See following slides.

Other Agenda Items – Consents and Mods

- **Warkworth Continuation Project – SSD-6464**
 - 26 November 2015 Development consent granted.
 - 27 May 2022 – MOD 2 granted. Lemington Underground water transfers and Ultraclass workshop.
 - *Note: MOD 1 is an administrative modification to clarify biodiversity offset requirements for the Warkworth Continuation Project submitted 21 April 2021, and remains in the Assessment stage with DPE.*
- **Mount Thorley Continuation Project – SSD-6465**
 - 26 November 2015 Development consent granted.
 - Nil modifications.

Other Agenda Items – MOP and RMP

Regulatory Background for RMP

The NSW Rehabilitation Operational Reforms were developed over several years and came into effect 2 July 2021 with the publication of the *Mining Amendment (Standard Conditions of Mining Leases-Rehabilitation) Regulation 2021 (NSW)*.

- The Regulation prescribes **standard conditions of mining leases** granted under the Mining Act 1992, these came into effect on 2 July 2022.
- The changes to conditions of mining leases require the development of a **Rehabilitation Management Plan** (instead of a Mining Operations Plan), with a forward work program for rehabilitation through various phases for the next 3 years (instead of 7 years in a MOP).
- Parts of the RMP (3 Year Forward Work Program) was required to be submitted to Resources Regulator by 1 August 2022 (within 30 days of commencement of the new standard conditions of mining leases).
- The new RMP is on the MTW website.

Other Agenda Items – MOP history

The history of changes to the previous Mining Operations Plan is provided below:

- **Mining Operations Plan 2015-2022**

Document	Approval	Period	Revision Details
Original MOP	Approved 5 February 2016	5 February 2016 to 30 November 2021	Original
Amendment A	Approved 14 December 2018	7 September 2018 to 30 November 2021	Update for Micro-relief Landform, Performance Criteria Targets, ML1751, 1752 and EPBC 2009/5081
Amendment B	Approved 11 June 2019	23 May 2019 to 30 November 2021	Update for Additional Exploration Activities
Amendment C	Approved 24 November 2020	30 March 2020 to 30 November 2021	Update for IRR and IEA Recommendations, South Pit Void Filling, Tailings Storage Facility Timing
Amendment C – Extension	Approved 30 November 2021	30 November 2021 to 2 July 2022	Extension to period of MOP to the commencement of the Rehabilitation Reforms

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9. **General business**
10. Next meeting

Community update

MTW Amenity Resource

- Our December 2022 community newsletter included an offer for potable water tank cleans and under sink water filters. This is being taken up by members of the community, and a plan of implementation being worked through.

MTW Family and Community Day

- MTW is planning for a family and community day on site in May 2023.
- Notifications will be sent to neighbours, and may also be advertised on the electronic notice board in Bulga.

MTW Voluntary Planning Agreement Funding

- MTW has made the annual payment to Singleton Council in January 2023.
- Projects are progressing in local area.

Community update

Community Support Program

The Community Support Program has continued. The 2023 round of applications were advertised in September-October 2022 and closed 4 November 2022. There were 21 applications received. The following organisations are being supported in 2023 through the CSP.

Organisation	Project
Business Singleton	2023 International Women's Day luncheon 2023 Singleton Business Awards
Food Pantry Singleton	Supply of fresh vegetables for weekly distribution.
Maitland Regional Art Gallery	Liz O'Brien Artist Bursary
Rotary Club of Singleton	2023 Singleton Art Prize
University of Newcastle	Science & Engineering Challenge and SMART Schools program
Singleton AFC	2023 Medical and Sports Training Supplies
Singleton Amateur Swimming Club	Construction of storage shed
Singleton Council	Christmas on John St 2023
Singleton Council	Singleton Library - Purchase 6 x Victor Reader Stratus 4M machines
Singleton Fire Brigade Social Club	Santa Lolly Run 2023
Singleton Ladies Golf Club	Singleton Ladies Golf Club Open Day 2023
Singleton PCYC	School Holiday Activities
Singleton Rugby Club	Training equipment replacement
Singleton U3A	Brochure funding
St Catherine's Catholic College	Dream Cricket equipment
Westpac Rescue Helicopter	Hunter Valley Mining Charity Rugby League Day 2023



General Business

General Business – other?

Agenda

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9. General business
10. Next meeting

Future Dates

Next Meeting Date

Date: Wednesday 31 May 2023

Time: 2:00PM - 4:00PM

Location: Boardroom, North Warkworth Building



Mount Thorley Warkworth Community Consultative Committee (CCC)

BUSINESS PAPERS February 2023

Contents page

1	Complaints.....	3
2	Incidents	5
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4	Rehabilitation Plan	7
5	Yancoal Community Support Program	15

Appendices

Appendix A – Environmental Monitoring Report Septemeber 2022 (included as not provided subsequent to November 2022 CCC Meeting)

Appendix B – Environmental Monitoring Report October 2022

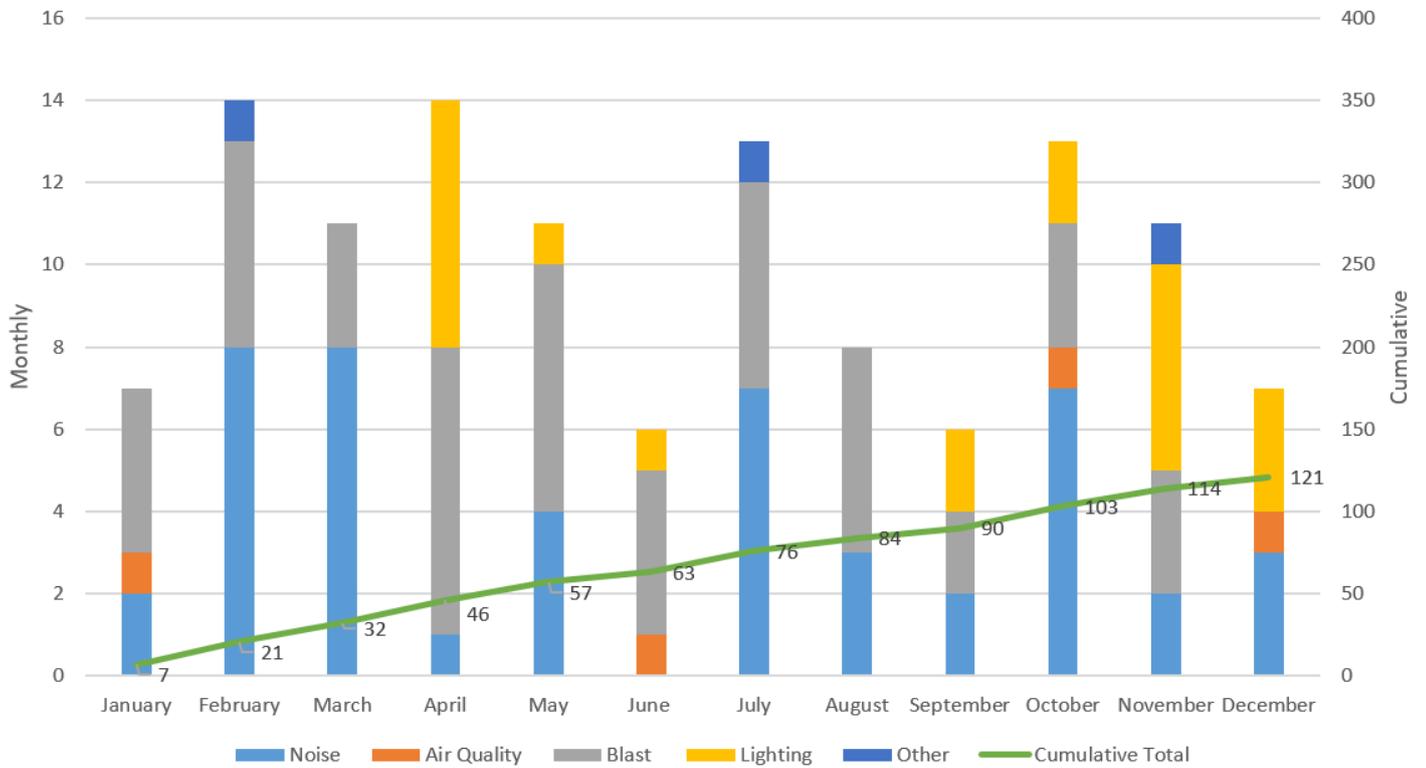
Appendix C – Environmental Monitoring Report November 2022

Appendix D – Environmental Monitoring Report December 2022 (to be provided at a later date)

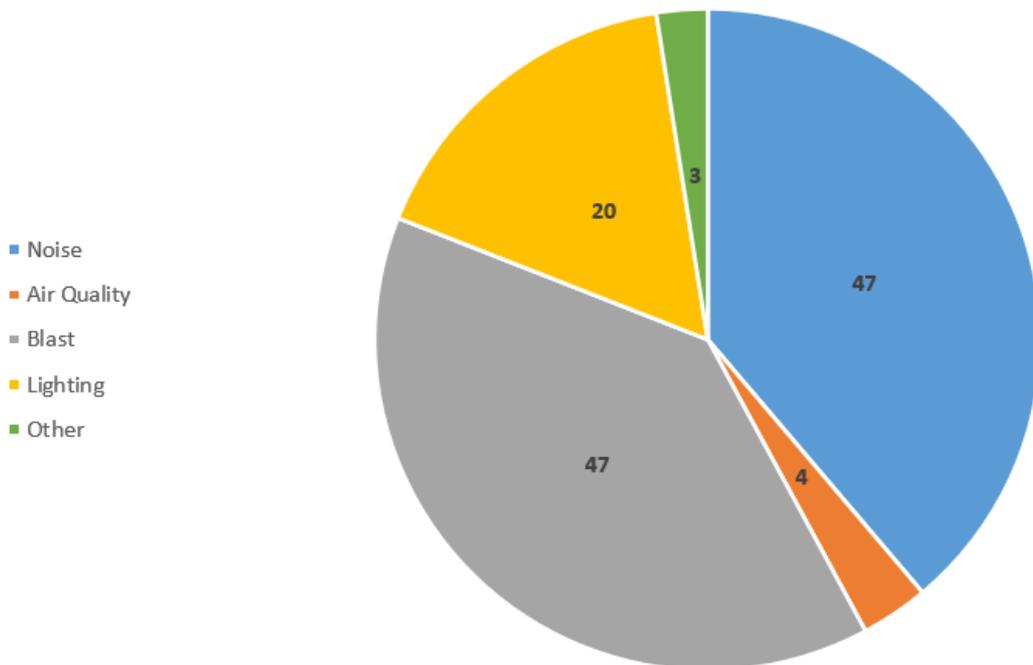
1 COMPLAINTS

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

MTW Complaints Summary - 2022

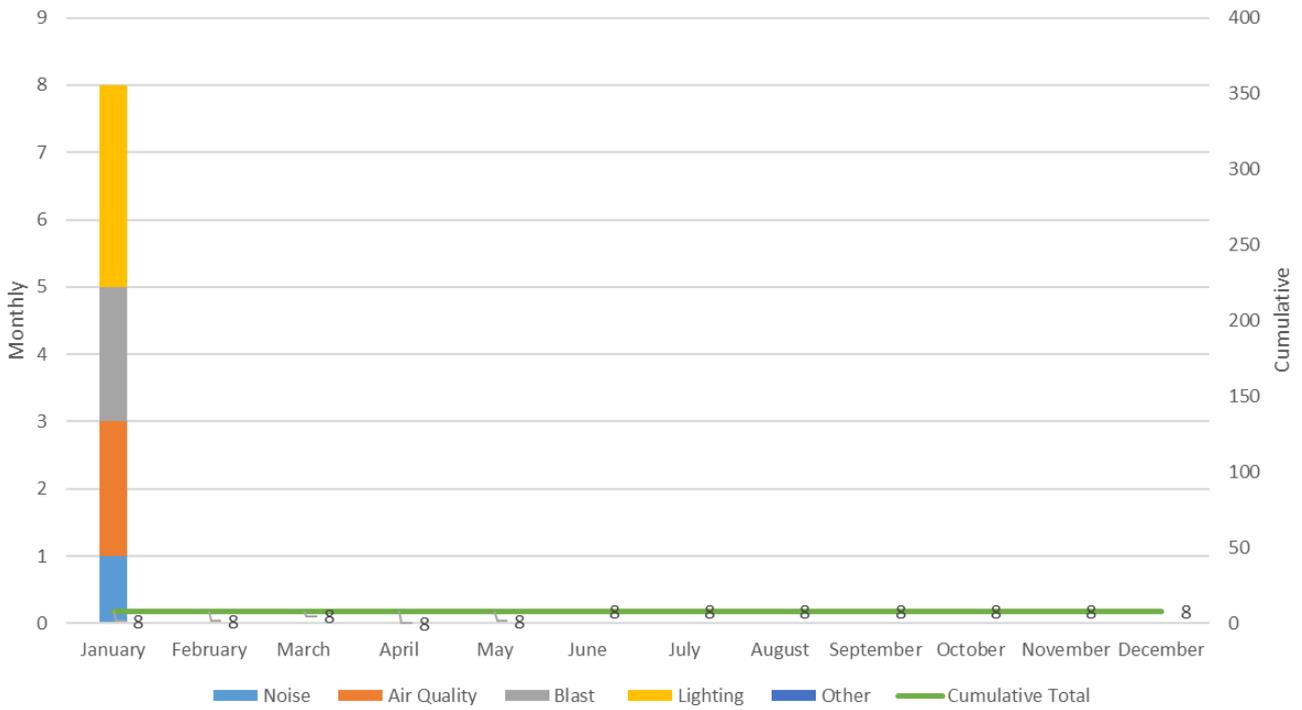


Complaints by Type 2022

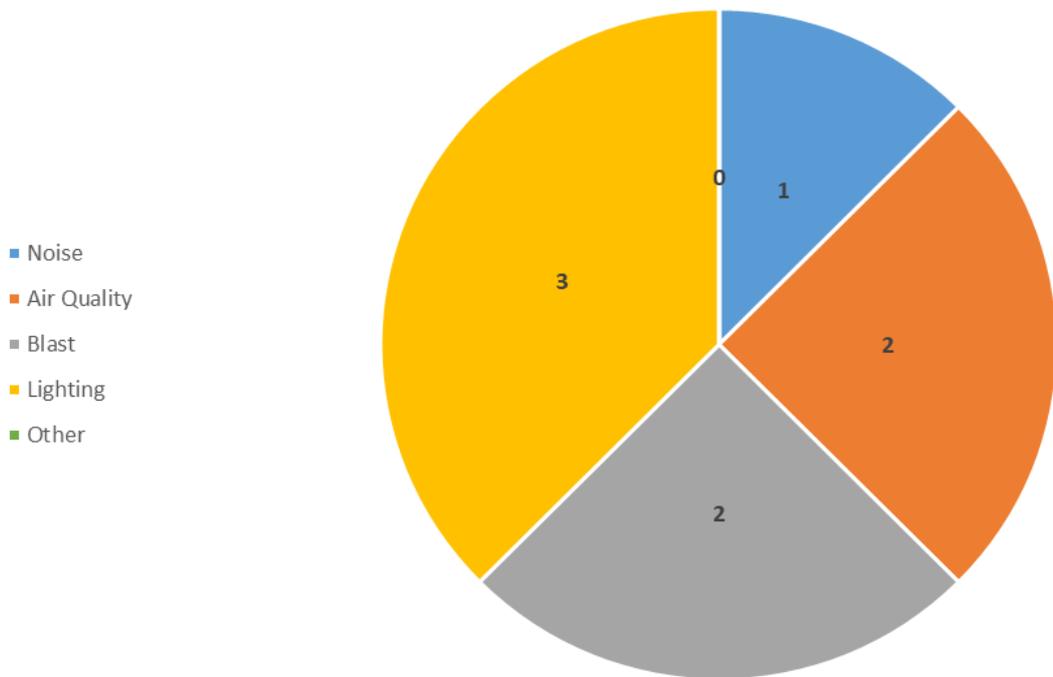


Complaints overview for period – 1 January 2023 to 31 December 2023

MTW Complaints Summary - 2023



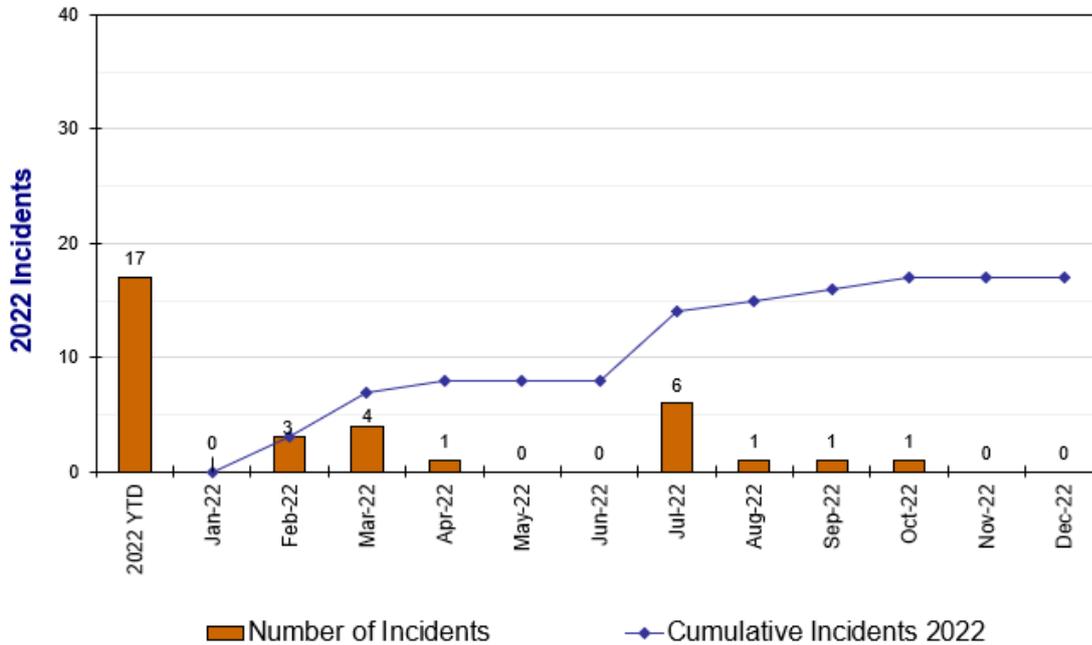
Complaints by Type 2023



2 INCIDENTS

Environmental incidents overview for period – 1 January 2022 to 31 December 2022

MTW Environmental Incidents 2022



Note: Nil environmental incidents in January 2023. A 2023 incident graph will be included in the next CCC business papers.

Incident Summary for the period 1 November 2022 to 31 January 2023

Date	Details	Key Actions	Aspect
14/12/2022	Approx. 45L of waste oil spilled onto concrete surface, during site waste oil disposal	Hydrocarbon containment measures implemented using earthen bunding and spill kits. Remediation of area conducted in consultation with E&C team.	Hydrocarbon

3 ENVIRONMENTAL MONITORING

Monthly summaries of environmental monitoring:

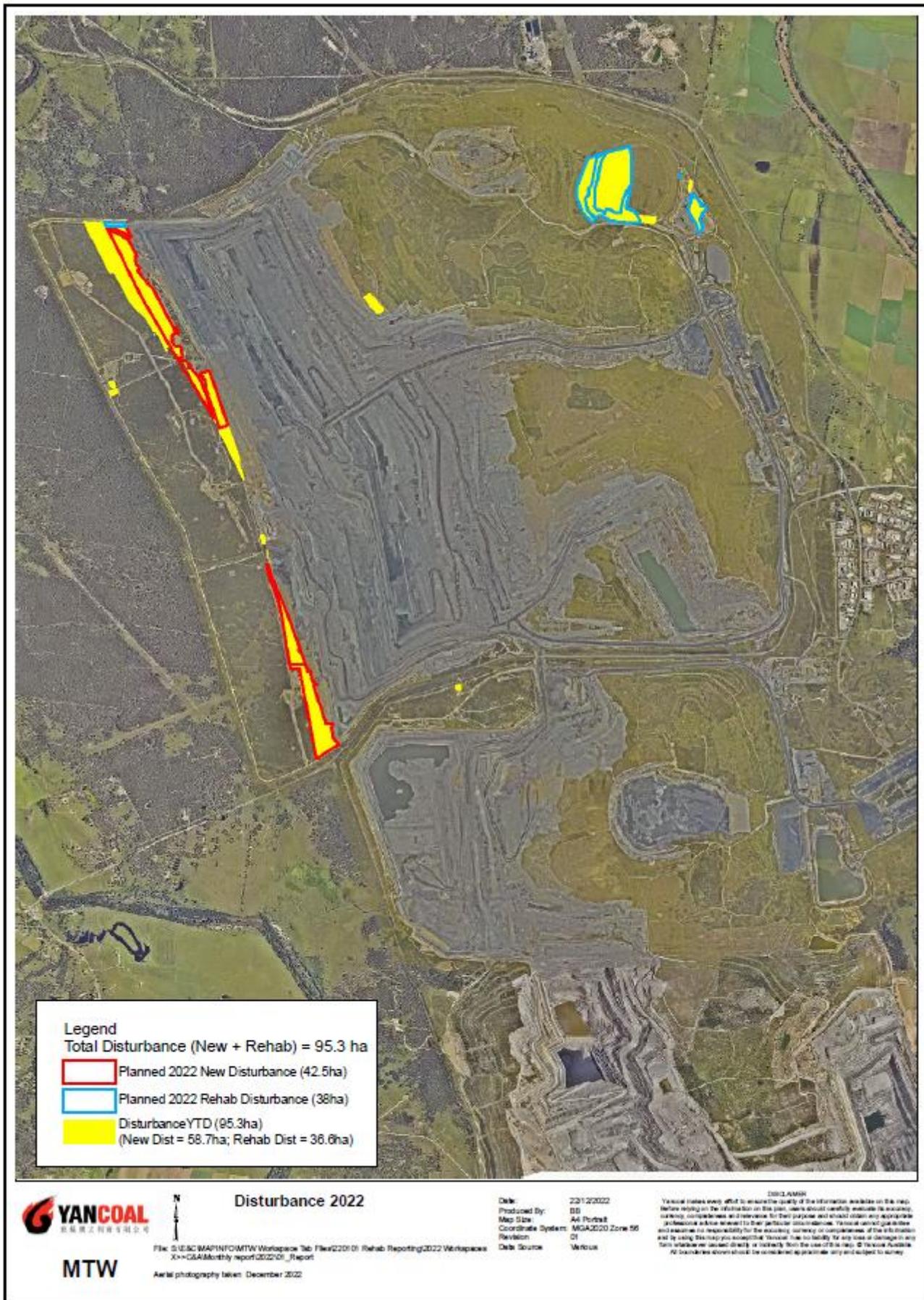
- **September 2022** - Attached as **Appendix A** (included as not provided subsequent to November 2022 CCC Meeting)
- **October 2022** - Attached as **Appendix B**
- **November 2022** - Attached as **Appendix C**
- **December 2022** – **Appendix D** (to be provided at a later date)

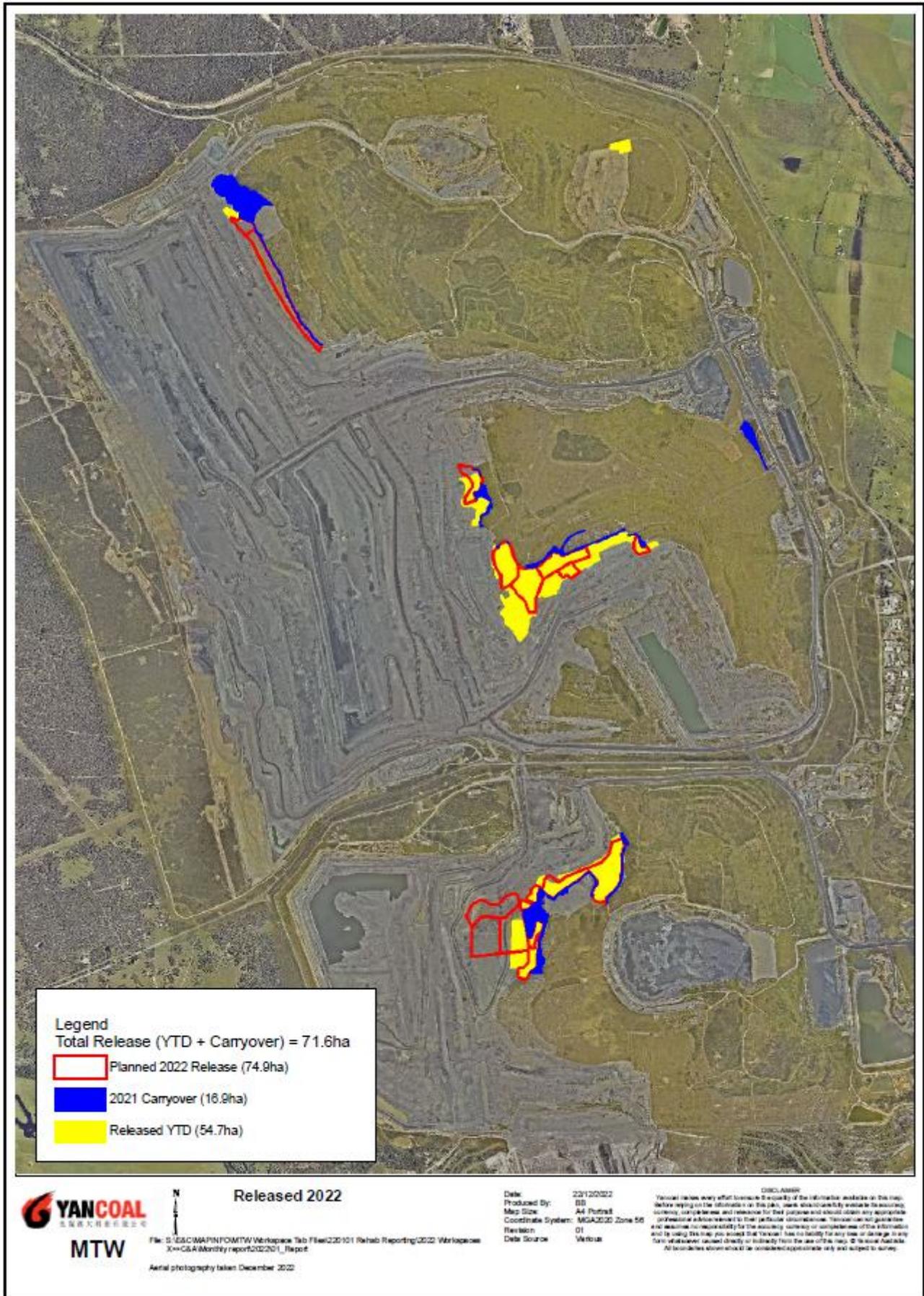
4 REHABILITATION PLAN

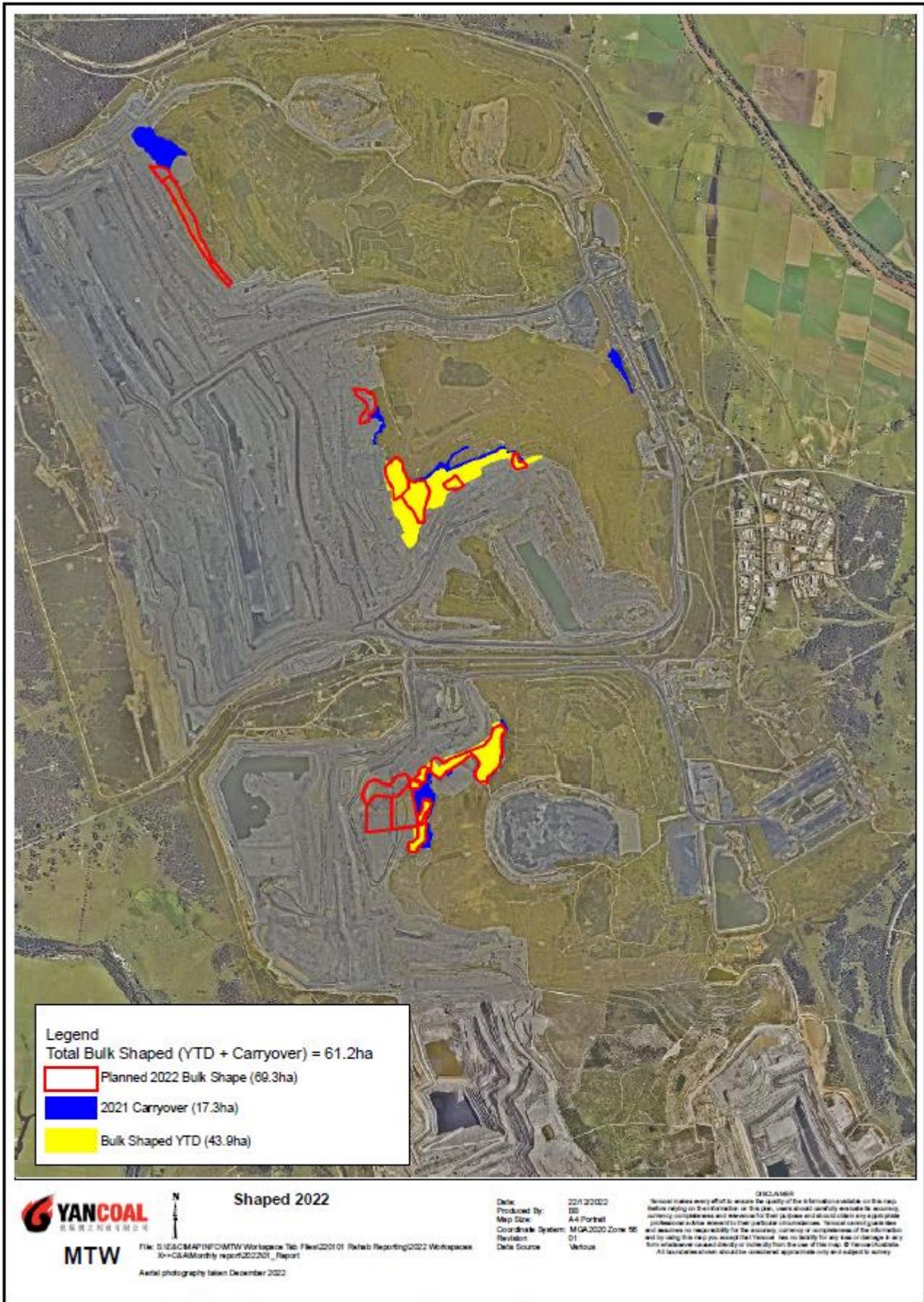
During 2022, there was 47.9ha of rehabilitation seeded at MTW which exceeded the rehabilitation target of 35ha. There was an additional 22.6ha of dump area that had been released for rehabilitation at the end of 2022 and this will provide areas for a continuation of rehabilitation activities in early 2023.

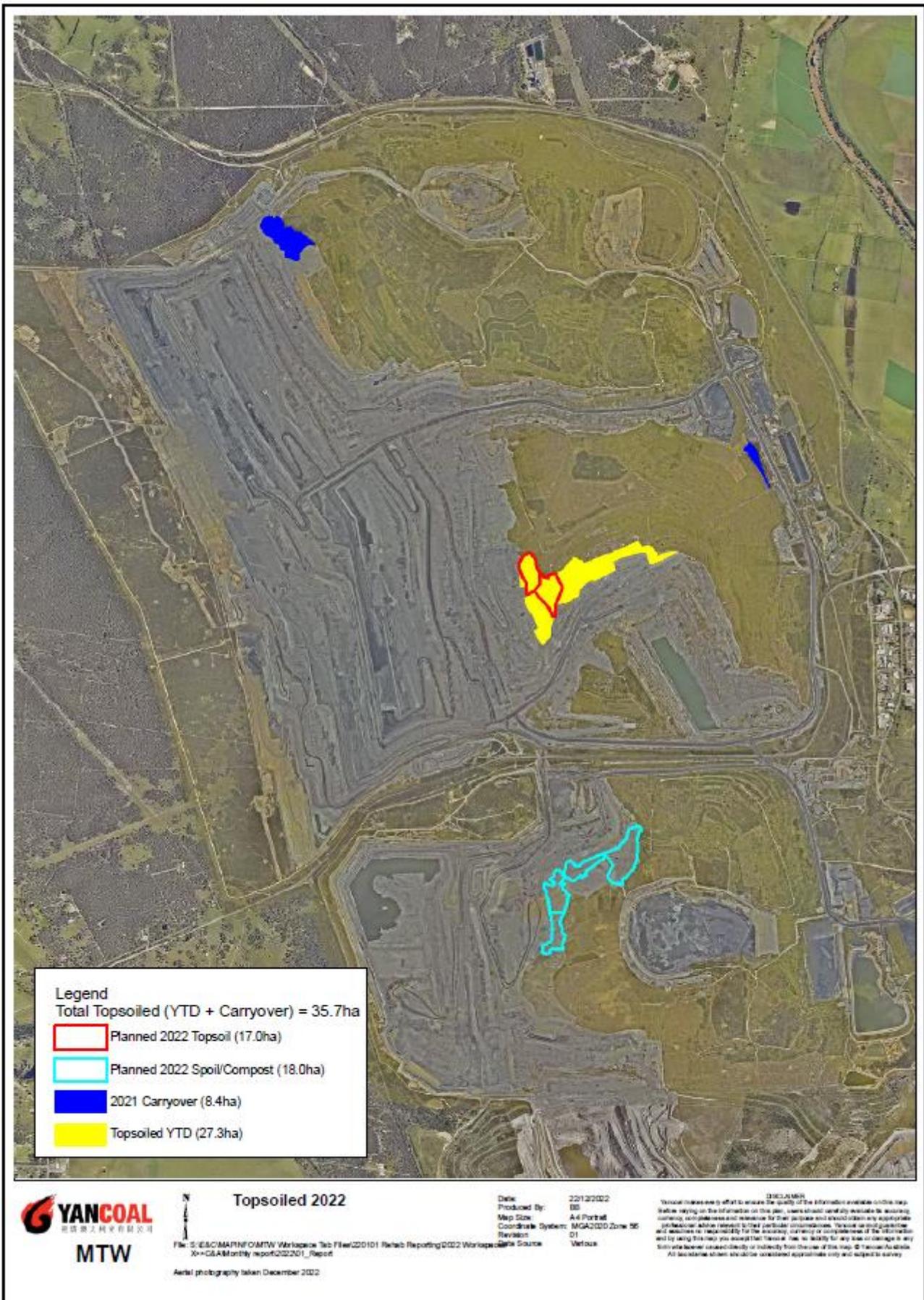
Disturbance during 2022 totalled 95.3ha which exceeded the disturbance target of 80.5ha for 2022. The additional disturbance was associated with clearing for mining in North Pit.

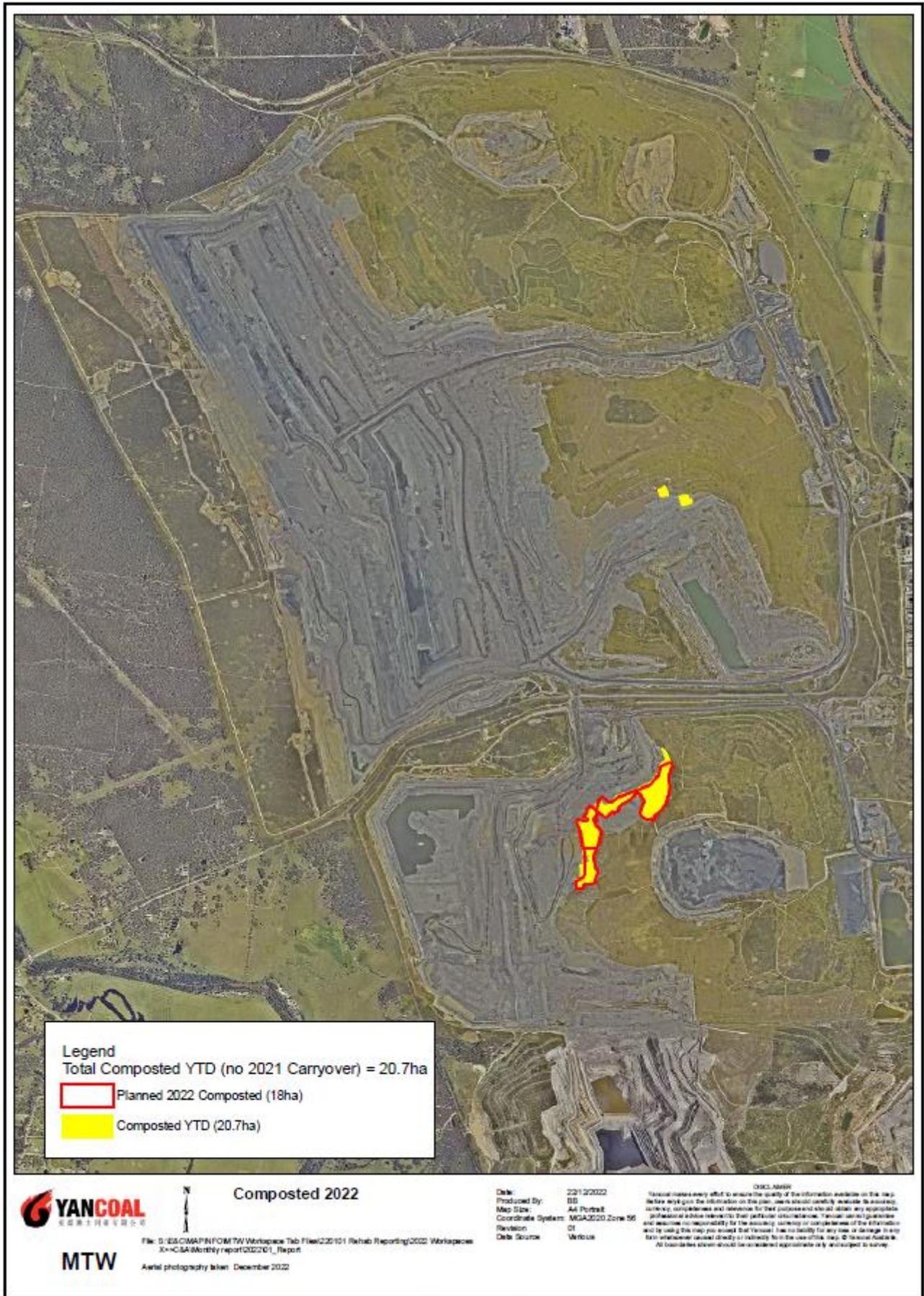
The targets for 2023 are 90ha of rehabilitation and 74.9ha of disturbance.

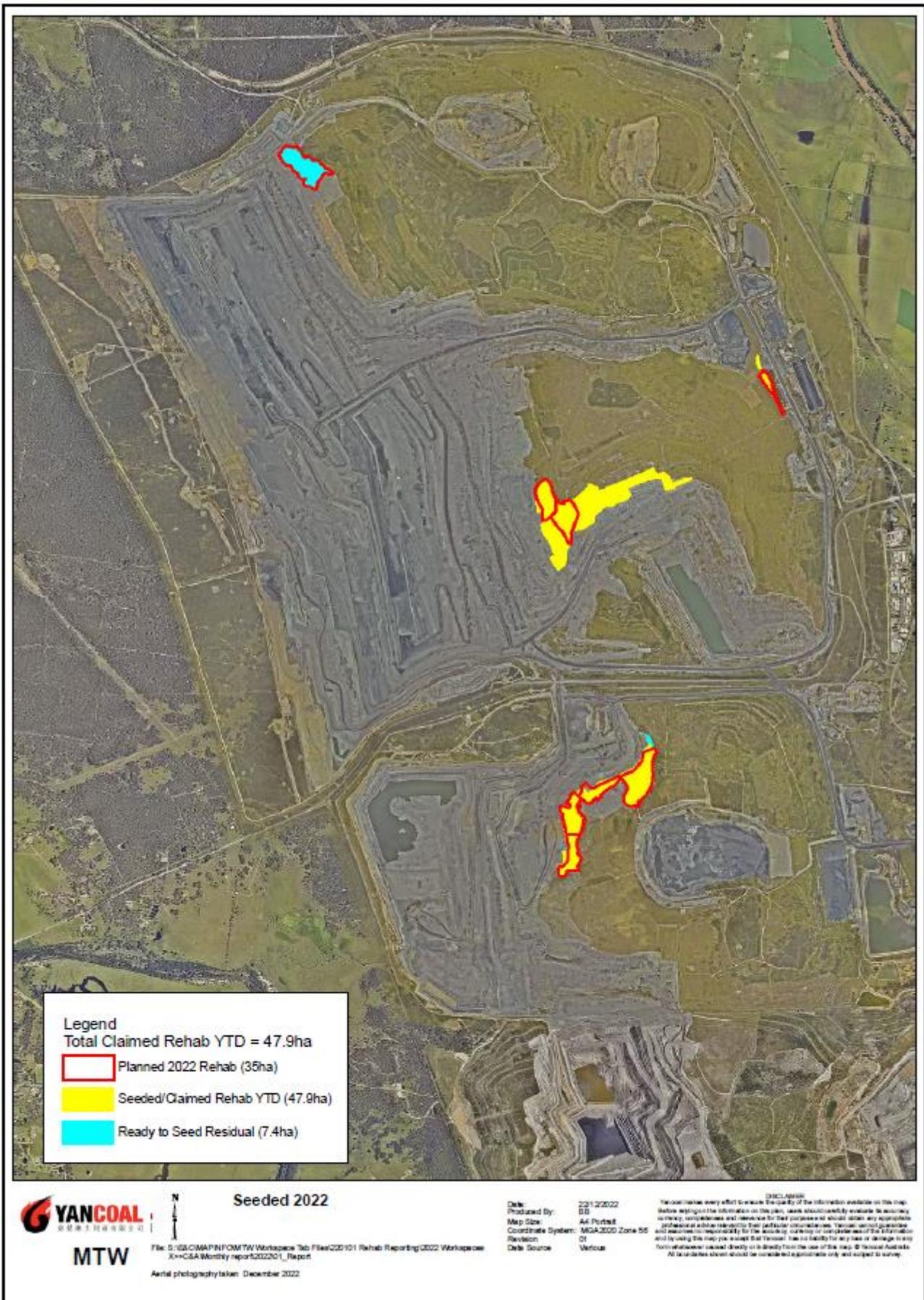












Website Uploads

The table below is a list of all new documents uploaded to the MTW's website from 15 November 2022 – 2 February 2023. Please refer to MTW's new website under "Environment":

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

Document Title	Upload
Mount Thorley Warkworth Environmental report June 2022	17-Nov-22
Mount Thorley Warkworth Environmental report July 2022	17-Nov-22
Mount Thorley Warkworth Environmental report August 2022	17-Nov-22
Rehabilitation Management Plan - Forward Work Program	23-Nov-22
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data October 2022	30-Nov-22
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data November 2022	23-Dec-22
MTW Community Consultative Committee - November 2022 - Minutes, Presentation & Business Papers	20-Jan-23
Mount Thorley Warkworth Environment Protection Licence 1376 1976 Monitoring Data December 2022	24-Jan-23

5 YANCOAL COMMUNITY SUPPORT PROGRAM

The CSP invests in community groups working in the areas of health, social and community, environment, education and training.

The 2023 round of applications were advertised in September-October 2022 and closed 4 November 2022. There were 21 applications received. The following organisations are being supported in 2023 through the CSP.

Organisation	Project
Business Singleton	2023 International Women's Day luncheon 2023 Singleton Business Awards
Food Pantry Singleton	Supply of fresh vegetables for weekly distribution.
Maitland Regional Art Gallery	Liz O'Brien Artist Bursary
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University of Newcastle	Science & Engineering Challenge and SMART Schools program
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Singleton PCYC	School Holiday Activities
Singleton Rugby Club	Training equipment replacement
Singleton U3A	Brochure funding
St Catherine's Catholic College	Dream Cricket equipment
Westpac Rescue Helicopter	Hunter Valley Mining Charity Rugby League Day 2023

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: September 2022 Monthly Environmental Monitoring Report

Appendix B: October 2022 Monthly Environmental Monitoring Report

Appendix C: November 2022 Monthly Environmental Monitoring Report

Appendix D: December 2022 Monthly Environmental Monitoring Report

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