# Appin Mine Community Consultative Committee and Menangle Advisory Panel Meeting



Appin Mine Ventilation and Access Project

25 January 2022

Campbelltown Catholic Club / Online

# Acknowledgement to Country

I would like to acknowledge the Traditional Owners of the land on which we meet, the Dharawal People, and pay our respects to Elders past, present and emerging.

# Overview

| | |
|---|---|
| **Welcome / Declaration of Interests** | Chair |
| **1. Terms of Reference (MAP & CCC)** | IMC |
| **2. Investigation activities prior to DPIE determination** | IMC |
| **3. Mining lease application** | IMC |
| **4. Proposed helipad** | IMC |
| **5. Proposed location** | IMC |
| **6. Project need / pit top / phasing out coal** | IMC |
| **7. Landowner compensation** | IMC |
| **8. Update on actions arising from MAP#7** | IMC |
| **General Business / Matters arising** | |
| **Meeting Close** | |

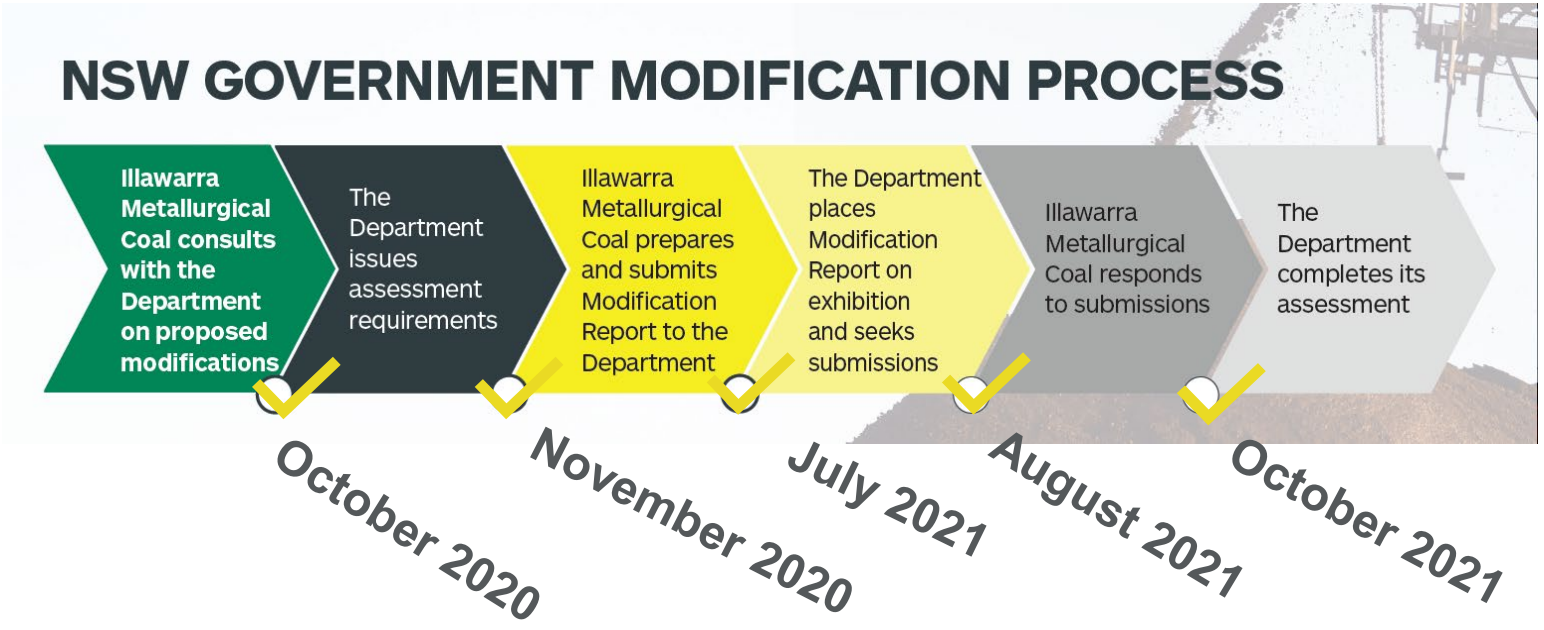


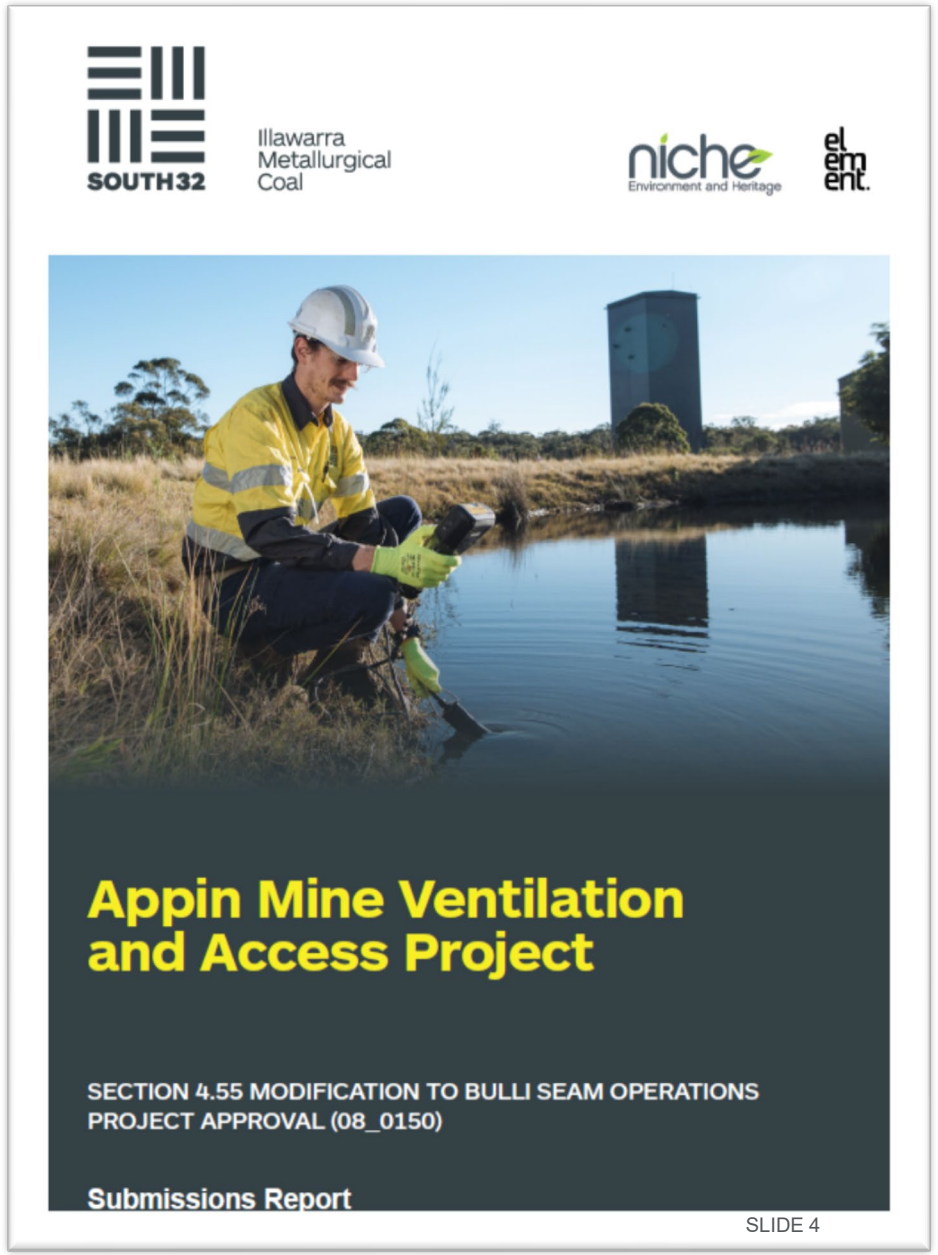



# Approval pathway

## Approvals

- Modification to existing Bulli Seam Operations Project Approval (08-0150).
- Project Submissions Report published 7 October 2021
- Project Phase: **Assessment**



# 1. Terms of Reference (MAP & CCC)

| AM CCC ToR | MAP Charter |
|---|---|
| Scope covers BSO area including:<br>• Pit top and underground operations at Appin East, Appin West and Appin North<br>• Coal Wash Emplacement located at Appin North<br>• Construction activities on the surface<br>• Land surface above where mining takes place<br>• Impacts to the surface (subsidence issues, infrastructure placement, etc) | Proposed ventilation & mine access Project on 345 Menangle Road |
| Establish good working relationships between the company, the community and other stakeholders in relation to Appin Mine Operations | Specific issues related to IMC's operations in the Menangle area resulting from the proposed ventilation shaft and mine access facilities and their construction (including noise, air, traffic and visual impacts); |
| Provide information and facilitate discussion relating to Illawarra Metallurgical Coal's operations and performance across a wide variety of areas within the business | Enable issues or questions to be raised and addressed that are relevant to the local community regarding the proposed ventilation shafts and mine access facilities; |
| Work together towards outcomes of benefit to the mine, immediate neighbours and the local and regional community. | Guide and improve the way IMC engages with the local community, including recommending ideas to ensure those within the project area have the opportunity to benefit from the project |

# 2. Investigation activities prior to DPIE determination

- South32 recently commenced work on the Menangle project without DPIE approval and without informing the CCC.
- Will South32 commit to waiting for DPIE project approval before any further work takes place on the Menangle site?
- Will South32 apologise to the CCC for failing to inform the CCC members that work including road disruptions was to take place?

- Menangle Road Activities 13/1/22
- MAP was not advised at our last meeting on 20/10/21 that this was happening
- South32 previously advised MAP that no further work would be done prior to DPIE approval
- Approval from Wollondilly Council was dated 21/12/21; MAP not informed until 4/1/22
- Once MAP members received email from Amanda on 4/1/22 we requested South32 tdelay work until approval from DPIE – South32 proceed with work anyway

# 2. Investigation activities prior to DPIE determination

- **IMC will not commence construction prior to Project determination**

- Thorough due diligence is undertaken by approvals team for all works – the relevant approvals from the relevant consent authorities are obtained prior to works commencing

- There are certain Site Investigative activities or general activities that are permissible separate to Project determination:
  - Geotechnical studies
  - Surveying
  - Archaeological digs
  - Environmental monitoring
  - Property maintenance/clean-up

- We will better Inform of future activities on the property



# 2. Investigation activities prior to DPIE determination

Upcoming Planned Activities (345 Menangle Rd):

- Land care activities – plant care & maintenance , slashing, tidy up etc. (Ongoing)
- Additional survey works on boundary / road corridors (TBC)
- Informative sign erection (pending council approval)

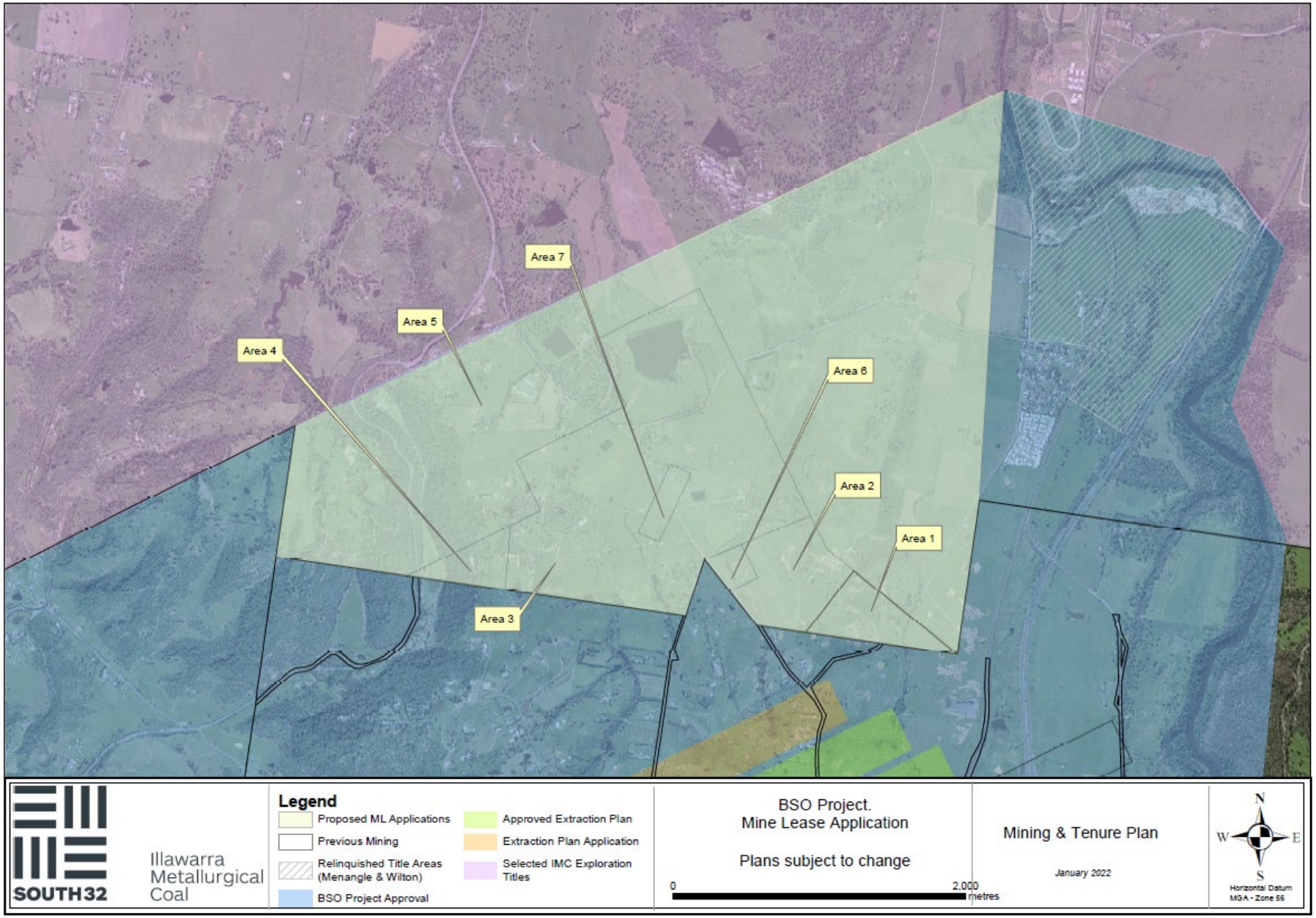


# 3. Mining Lease Application (MLA)

- MAP was not advised of the Mining Lease application that includes land under John Tedesco's property at 320 Menangle Road, Menangle.
- South32 should have advised MAP at our last meeting on 20/10/21 that this was going to take place so that we could have been prepared when the landowner approached us for help & clarification on the matter.
- CCC was made aware of the mining lease so MAP should have been made aware also especially when it is in Menangle and relates to the area that you want to mine from the project at 345 Menangle Road, Menangle

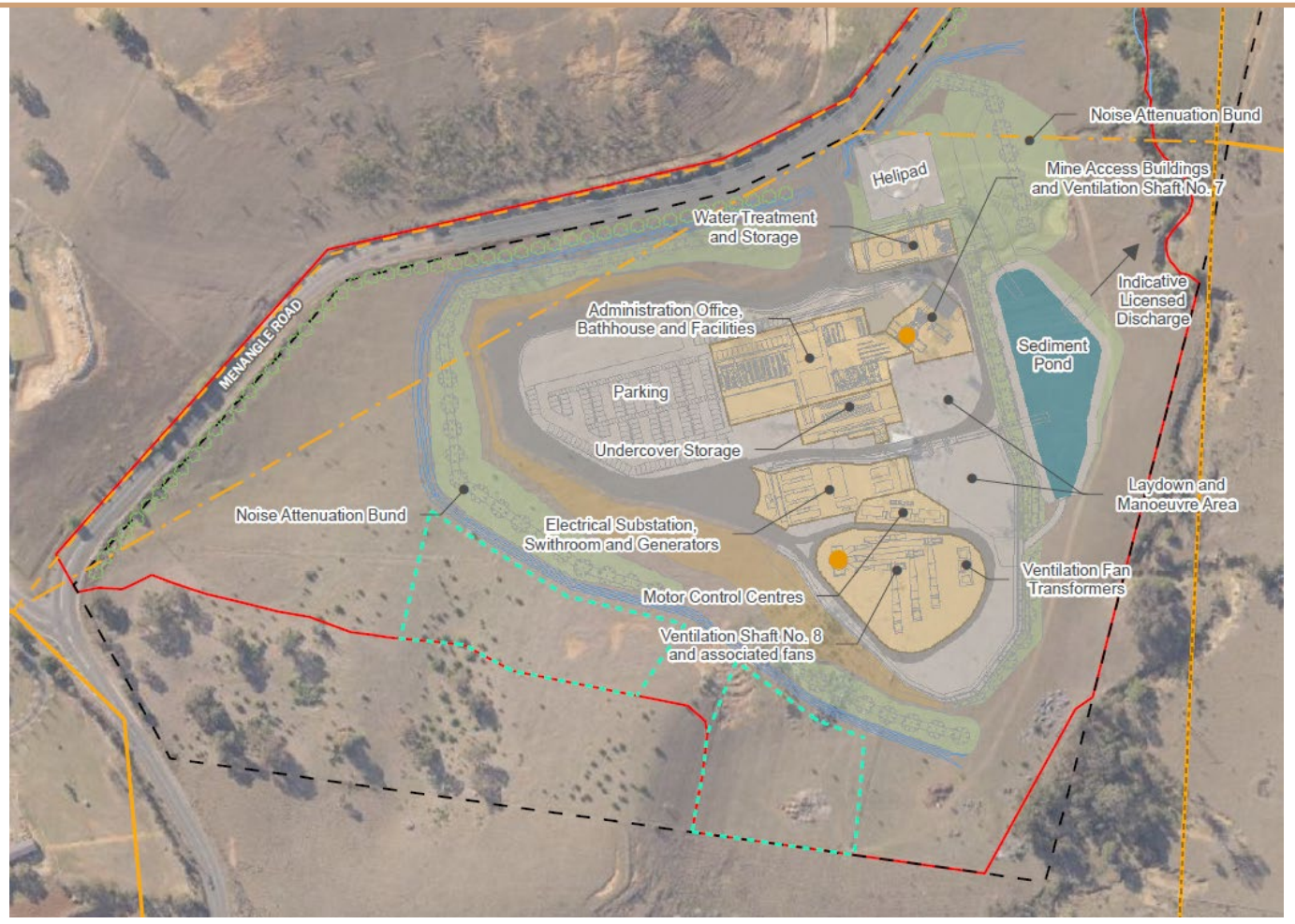
- CCC informed of the MLA and upcoming newspaper ads as per normal BSO communications
- Future engagement relating to the MLAs concentrated on: landholders over these new areas, neighbours, and the broader community.

# 3. Mining Lease Application (MLA)



# 4. Helipad

- Helipad Issues raised in the South32 Community Consultations by Warren Morrison, Campbelltown Councillor.
- The helipad is located too close to Menangle Road due to the distance required from the blades.
- Judy Hannan, Wollondilly Councillor advised that helipads are not currently permissible in Wollondilly.



# 4. Helipad

- **Operations of helicopters is not proposed as part of the Project**
- Helicopter Landing Site (HLS) is to provide a location for safe landing and take-off of emergency services helicopters in the event of an **emergency**
- Design of the HLS is in accordance with CASA Guidelines
- Current design has >30m horizontal clearance b/ween proposed aircraft footprint & Menangle Road corridor
- Further refinement of HLS will occur in detailed design and will be consistent with relevant guidelines



# 5. Proposed Location

- South32's response to DPIE of 26 Nov 2021 (p4-8) regarding alternative locations above the Simpson mains, neglects to exclude any of the alternative locations directly above the Simpsons Mains. One can therefore deduce that these locations are indeed suitable locations.

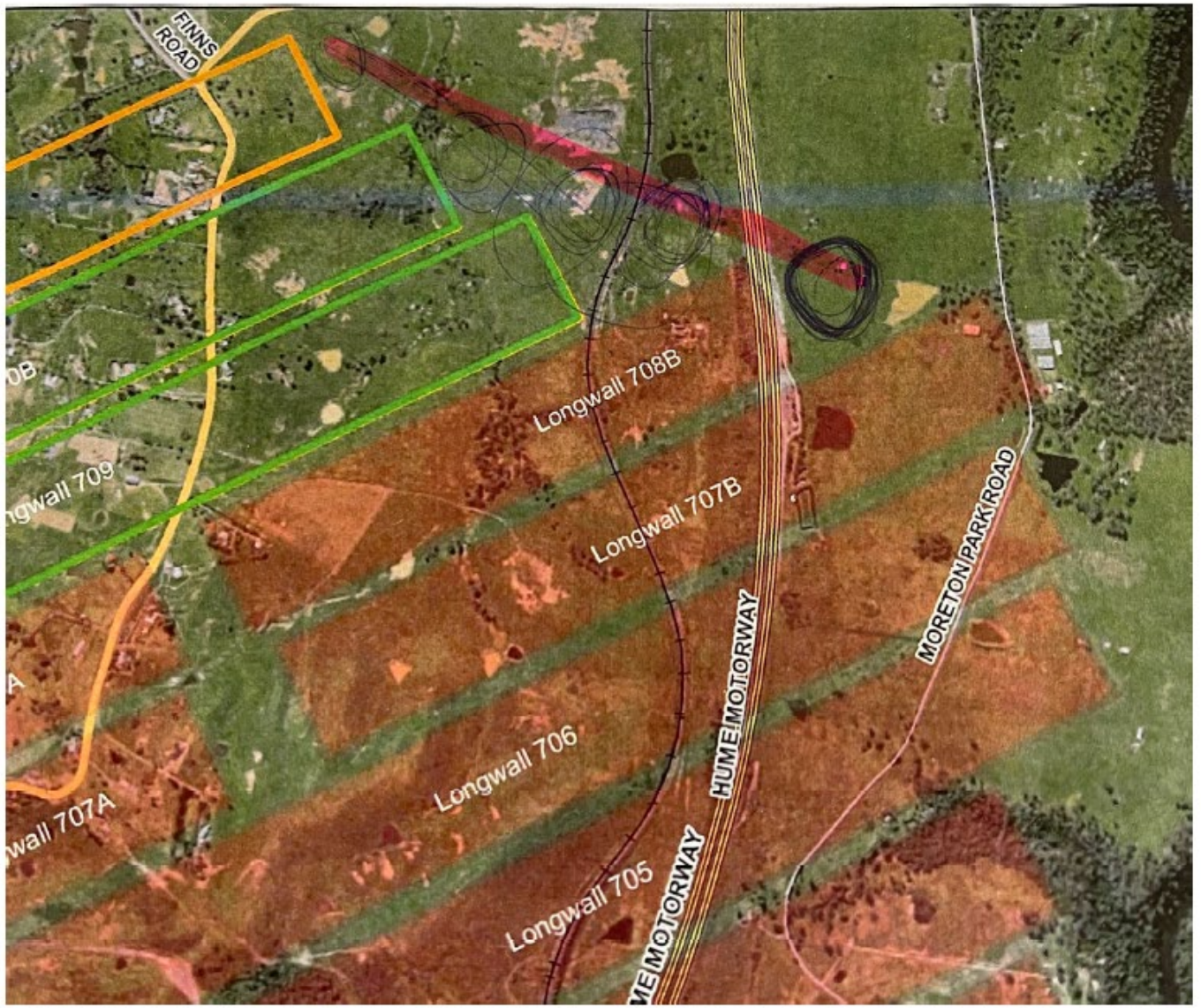
- I presume South32 is now comprehensively assessing these locations with a view to relocating the project. If so, please provide details and if not, then why not?

- **The factors considered for site location have been well documented**

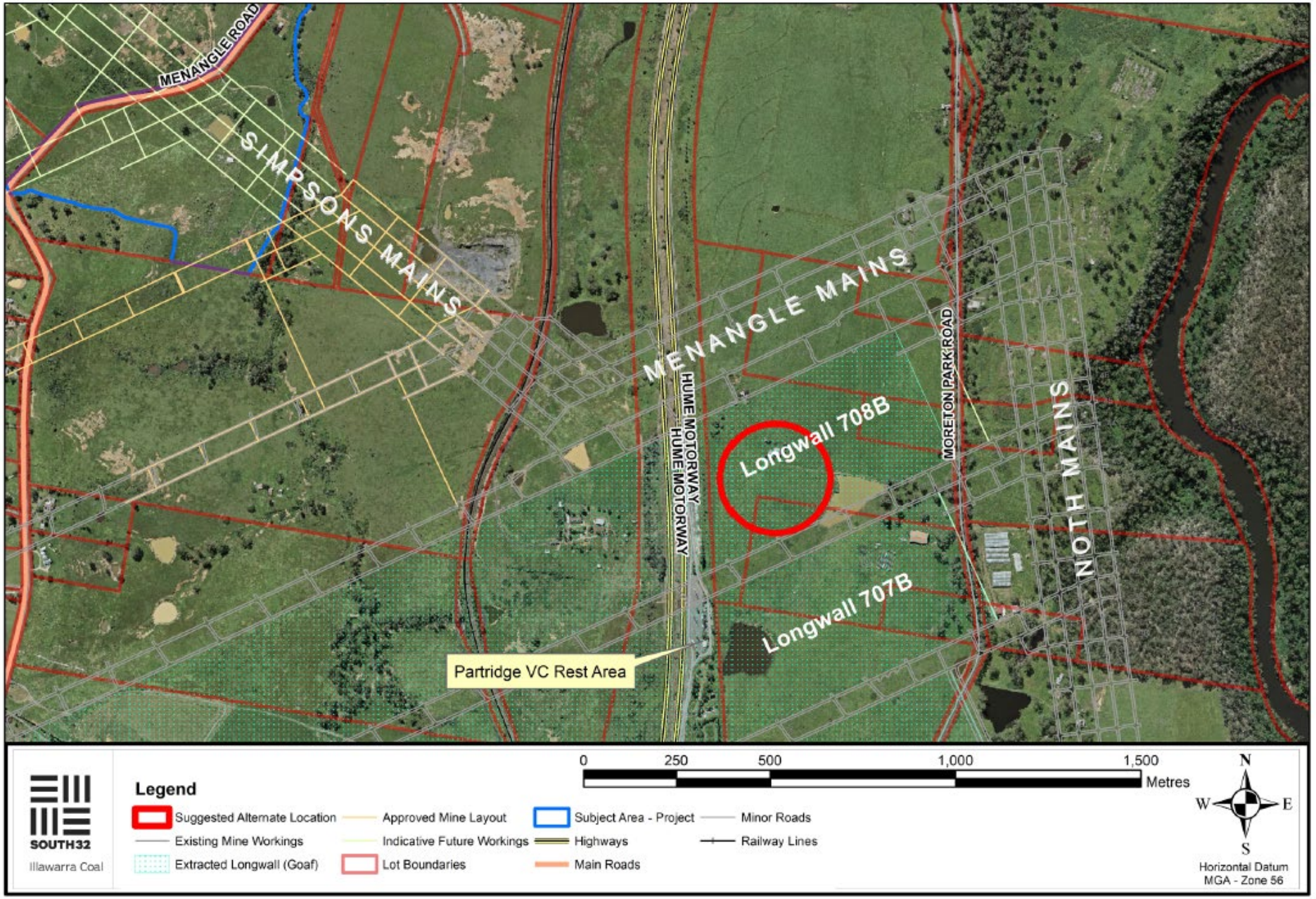
- This location is the optimal location of the available land above Simpsons Mains

# 5. Proposed Location

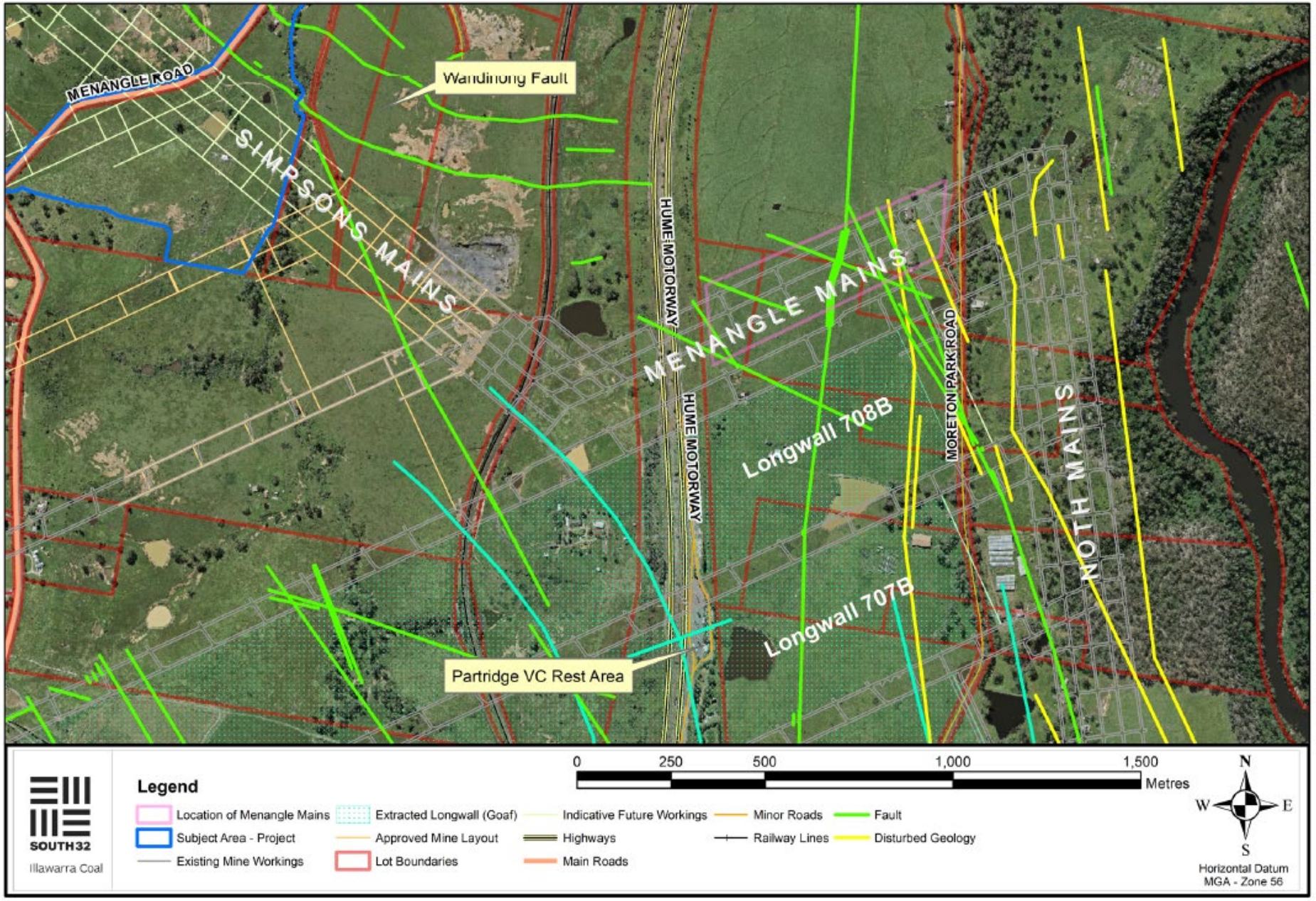
*Figure 1 Map provided in request for information (alternate location is darkest black circle)*



# 5. Proposed Location



# 5. Proposed Location



# 6. Project need / pit top / phasing out coal

## Exclusion of pit-top

- The last pit-top was built in 1978 and it is acknowledged in the original BSO application at 2.11 that no new pit-top would be needed. Therefore, the pit-top (mine access and associated surface infrastructure) should be excluded from this project.
- Workers will need to travel to the workings above ground rather than underground.

- South32 has stated that most of their employees travel from Wollongong along Picton Rd. If a new pit-top is approved then extra travel above ground involves driving through the gorge with its hairpin bends, one lane bridge and road sections and also through the Douglas Park Village - all hazardous to locals and South32 employees.

- Apart from South32 cost savings, can South32 justify why the pit-top should be approved as part of this Menangle project?



**2.10.2 Project Water Management System**

The Project water management system would generally be based on the existing water management system (Figure 2-16).

Upgrades and augmentations to the existing water management system would be undertaken over the life of the Project (e.g. installation of additional water tanks [Figure 2-4], site water pond capacity increases [de-silting] and upgrades of the water treatment plant [Figure 2-4]) to continue to increase the efficiency of water use, minimise the requirement for make-up water supply from Sydney Water and minimise off-site water releases. The upgrades and augmentations would be undertaken in accordance with EPLs at each pit top and documented in the AEMR.

A predictive assessment of the performance of the Project water supply system (including the predicted site water management system water release/spills and make-up requirements for the Project maximum production rates for a range of different climatic scenarios) is presented in Appendix C.

**2.10.3 Stage 4 Coal Wash Emplacement**

The Stage 4 Coal Wash Emplacement would result in the available Brennans Creek Dam storage capacity being reduced by approximately 15% (from 311 to 267 ML). The reduced storage capacity has been considered in the Surface Water Assessment (Appendix C).

High density polyethylene pipe is currently used for underground drainage for the West Cliff Coal Wash Emplacement. ICHPL has considered potential engineering options (e.g. reinforcement installation or steel pipes) for underdrainage water management for the increased emplacement height. ICHPL would prepare a West Cliff Stage 4 Coal Wash Emplacement Management Plan that would detail the preferred underdrainage water management system for the Stage 4 Coal Wash Emplacement.

**2.11 INFRASTRUCTURE AND SERVICES**

The existing surface infrastructure and services would continue to be utilised throughout the life of the Project, with additions and upgrades.

Surface infrastructure and services would continue to operate 24 hours per day, seven days per week.

ICHPL may in the future consider developing a new pit top within the mining area. However, a new pit top is not currently considered as a component of this Project and is not assessed in this EA. If required in the future, any new pit top would be subject to a separate assessment, public consultation and approval process.

**2.11.1 Administration Buildings, Bathhouse, Workshops and Surface Facilities**

The existing administration buildings, bathhouses, workshops and stores at the three pit tops would continue to be used during the development of the Project with some minor upgrades as necessary (Section 2.4.4).

**2.11.2 Access Roads and Haul Roads**

The existing access roads to the Appin West, Appin East and West Cliff pit tops would continue to be used for the Project.

Wherever possible, existing internal gravel roads would be used to service the Project facilities. New internal roads would be constructed where necessary. The use of these internal access roads would be restricted to mine personnel only.

The Project would require the progressive construction of internal haul roads between the West Cliff Washery, West Cliff Coal Wash Emplacement and ROM/product coal stockpiles. Existing haul roads would be used, where practicable.

ROM coal would continue to be hauled from the Appin East pit top to the West Cliff Washery via the public road network (Appin Road) (Section 2.7).

**2.11.3 Electricity Supply and Distribution**

The total maximum power supply requirement for the Project when washing 10.5 Mtpa ROM coal (i.e. fully operational) is approximately 80 MW. It is expected that up to approximately 40 MW would be required for underground mining and coal handling, 20 MW for the West Cliff Washery and 20 MW for other miscellaneous electricity usage (e.g. pit top and ventilation facilities).

# 6. Project need / pit top / phasing out coal



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# 6. Project need / pit top / phasing out coal

- **Development of a Drivers Code of Conduct**
  - Purpose to minimise traffic impacts associated with Project
  - Nominate preferred travel routes (Menangle Road (avoiding Douglas Park))
  - Prohibition of Heavy Vehicles through (Broughton Pass, Douglas Park Gorge**)**
  - Opportunities to audit against attainable location technology in contractor vehicles will also be investigated in development of the DCOC

# 6. Project need / pit top / phasing out coal

**Phasing out coal**

- It is clear that both thermal and metallurgical coal will be phased out in coming decades to protect against catastrophic climate change. This will likely entail South32 shutting down the Appin Mine in 2041 when the current BSO approval lapses.

- Will South32 agree that 2041 will be the final year of operation of the proposed Menangle project should it be approved? If not, then why not.

- **Metallurgical coal is currently a critical component of largescale steelmaking – including the 60% of BlueScope's need.**

  - IMC's current consent boundary is until 2041 – further expansion beyond this will undergo a separate approval process.
  - South32 is committed to achieving net zero operational carbon emissions by 2050. It has set a medium-term target to halve operational carbon emissions (Scope 1 and 2) by 2035.
  - IMC accounts for 12% of South32's carbon emissions – IMC is achieving success in carbon abatement by:
    1. Appin gas drainage & capture – powering 60,000 equivalent homes
    2. Investigating technologies (with CSIRO) for capture of ventilation air methane

# 7. Compensation to Landowners

**Compensation for landowners**

- If approved, this Menangle project will have a significant effect on property values for landowners. We understand South32 continues to refute this assertion.

- Should the project be approved we propose the following as a moral and ethical means for South32 to offer to compensate their neighbours. Landowners engage Master valuers to value properties and other affects both with and without the project going ahead, and considering all factors. South32 agrees to compensate landowners for any loss in value plus all outgoings.

- Does South32 agree? If not, why not and how does South32 intend to justify such opposition.

- **Continue to proactively work with the properties anticipated to have some visual and noise impacts**

  - The IMC position remains the same – focus on mitigation/compensation for the direct potential impacts to nearby properties stemming from the Project
  - Future growth within the area has been identified – Greater Macarthur Plan 2040 and Outer Sydney Orbital corridor

# 8. Actions from MAP #7

1. **AL – to investigate on-site community session for residents at the retirement village – Please provide update on if this has happened as yet**

    - COVID-19 health advice has prevented interaction on-site
    - A good number of Durham Green residents attended the Oct/Nov 2021 Info Sessions

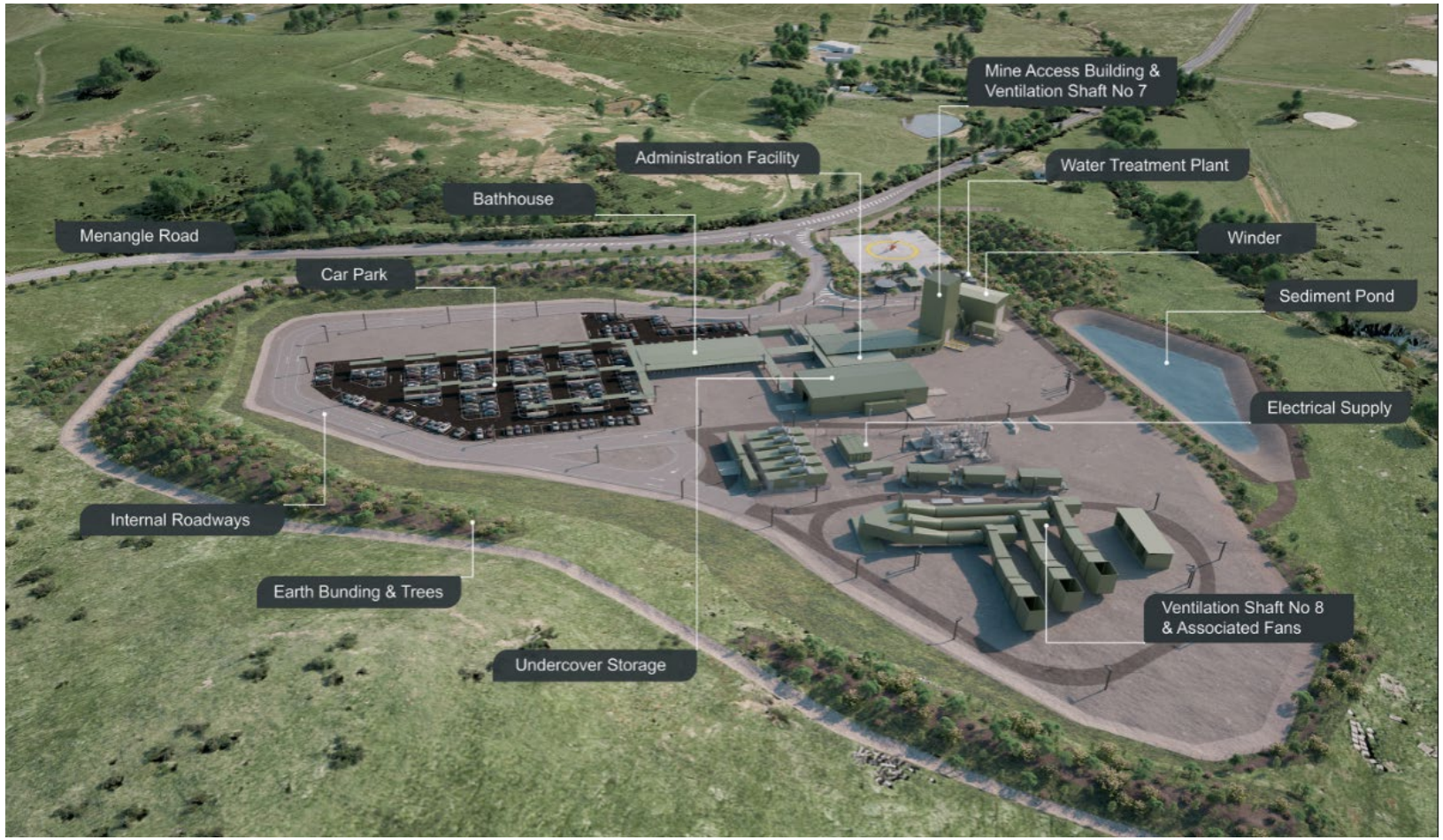
2. **KK – to arrange logistics of site visit after December 1st, 2021**

3. **AL – to check into possibility of underground tour for MAP members - Visit to Douglas Park Drive cancelled for 19/1/22, when can another visit be arranged?**

    - Our Sites are under strict COVID restrictions to visitors and general workforce
    - When restrictions ease, we will inform the MAP with proposed dates

# 8. Actions from MAP #7

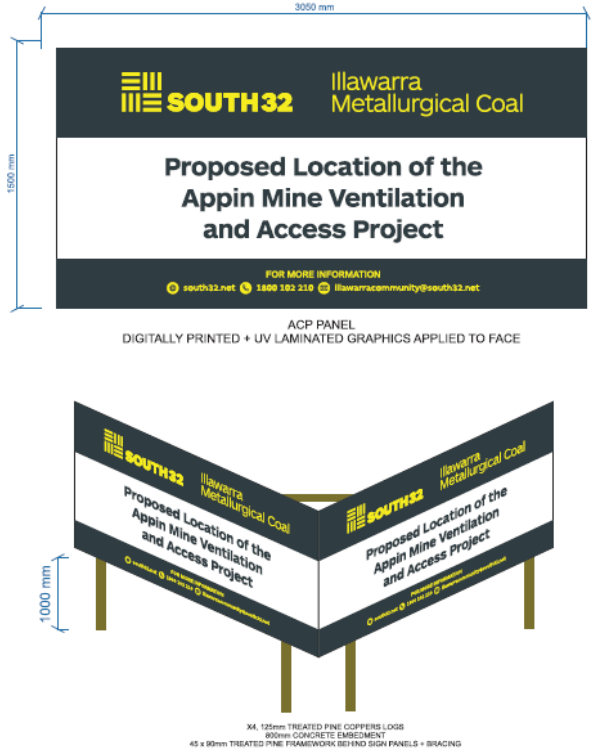
4. **AL –** to check why there is a break in the tree line on the property at the top of the site and report back



# 8. Actions from MAP #7

5. **AL – to confirm details of When, Where & How Billboard will be installed at Project site**

    - A DA was lodged with WSC in December 2021 – currently being assessed
    - Looking to be erected as soon as approval comes through

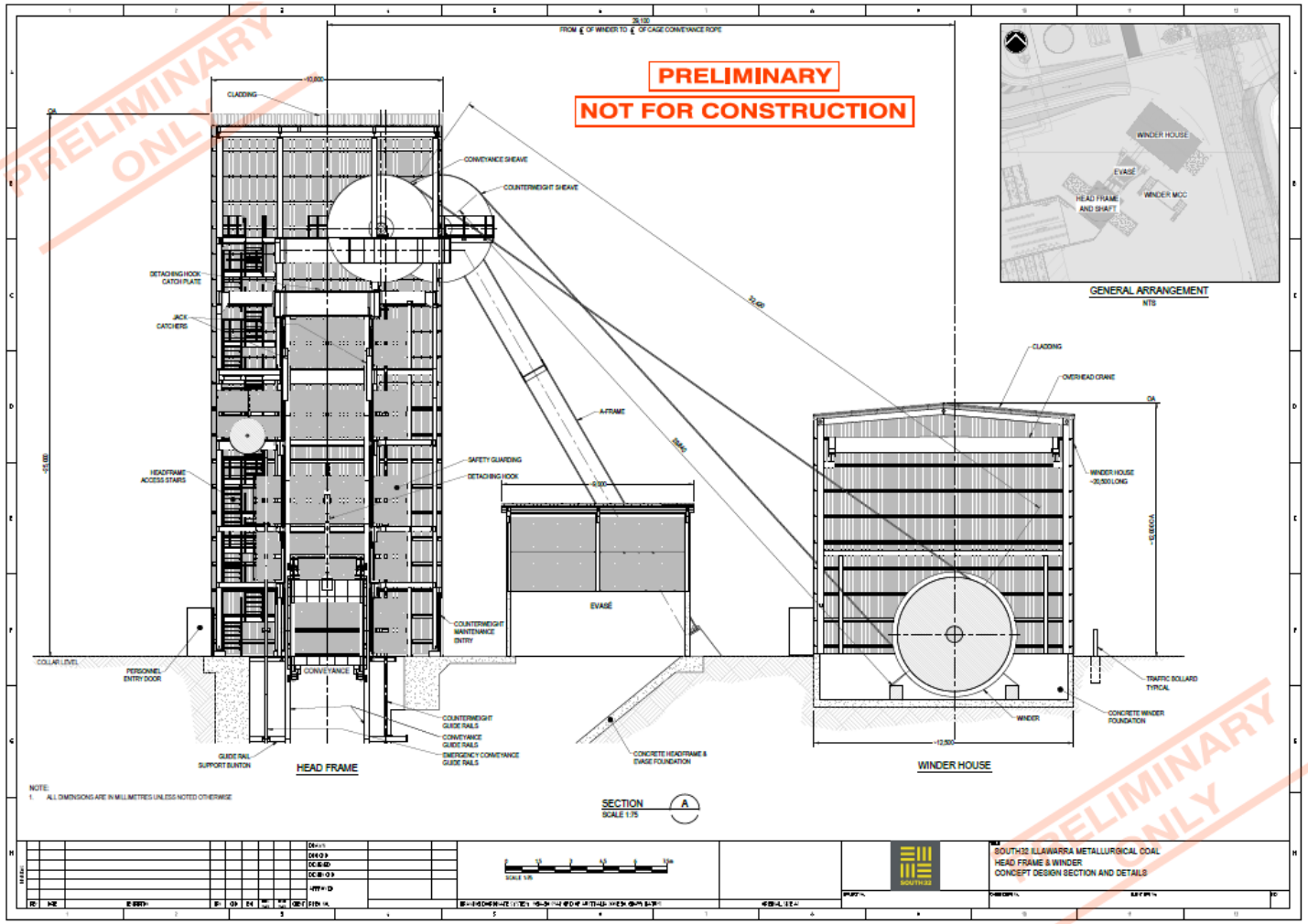



6. **AL** - to confirm when he spoke to Menangle Store Owners, Shane or Marcel as no posters are up

# 8. Actions from MAP #7

**7. AL –** to provide information showing that all options to be considered, costing & feasibility in lowering the tower further

- **Minimising the height of VS7 has been subject to special consideration by IMC**
  - Through engineering solutions we have reduced the tower height by 33% compared to our existing HFW towers
  - Lowering the collar height (i.e. digging down) introduces environmental & safety complexities – namely flood risk



# General Business

## General Business

- UG tour – TBC
- Continue to reach out to the Project team for further queries etc.

## Next meeting

- MAP – March 2021 (TBC)

