



SITE INSPECTION NOTES

This meeting is part of the determination process

Project	Dendrobium Extension project (SSD-8194)
Meeting Location	Bluescope Port Kembla, Mine expansion site and surrounds - as per inspection map included as Attachment A
Date	24 November 2020
Time	8.00 am– 5.30pm

ATTENDANCE

Commission Members	Stephen O'Connor John Hann	Panel Chair
Office of IPC	Julian Ardas	Planning Consultant
Applicant (South32)	Jason Economidis Gary Brassington Amber Cleary Ben Fitzsimmons Wayne Bull Josh Carlon Sam Webber James Steele	Chief Operating Officer Resource Strategies (Consultant) Resource Strategies (Consultant)
Community Representatives	Ann Brown Paul Knight	National Parks Association (Illawarra) (Part 2 only) Illawarra Local Aboriginal Land Council
Bluescope Representatives (Part 1 only)	John Nowlan Dave Bell Michael Reay Craig Nealon	Chief Executive Australian Steel Products General Manager Manufacturing, Australian Steel Products Manager, Corporate Affairs Communications and Community Manager



LOCATIONS AND KEY OBSERVATIONS (photos included as Attachment B)

Part 1: Bluescope Steelworks

1. Bluescope Visitor Centre

- Opening Statement and Introductions
- Safety induction and overview of the Steelworks Visit
- Escorted bus tour of the Steelworks
- Escorted visit to Blast Furnace No.5 and control room

Part 2: Dendrobium Expansion Project

- Safety induction and overview of the Site Inspection provided by the Applicant

2. Swamp APP07 (Area 4)

- Upland swamp, located near the Illawarra Escarpment (high rainfall area: 1,500mm - 2,000mm per annum)
- Location of Cordeaux Mine longwalls in 1990s
- The area has subsided by 1-2 metres
- Lower area has a higher water table with wet areas and grassy vegetation
The surrounding drier ridges contain trees

3. Stop 3 - Area 3B Longwall Panels (Swamp 1b)

- Drive-by visit only of Cordeaux Dam wall on way to Stop 3
- Entered WaterNSW Metropolitan Special Area through locked gates
- Crossed Cordeaux River, Wongawilli Creek and Donalds Castle Creek
- Previously mined area (Longwall 9 in 2013 and Longwall 10 in 2014)
- The swamp experiences a faster rate of water recession after rain (pre-mining vs post mining)
- Fracturing of rock is greater
- Vegetation observed was grasses, banksia and hakea
- The swamp was observed to be relatively dry
- Applicant discussed a 2:1 offset site negotiated at Maddens Plain

4. Stop 4 - Swamp 99 (Area 5)

- Observed mature eucalypts and more flowers
- The swamp was observed to contain moisture in the soil
- The site is further from the Illawarra Escarpment, hence receives less rainfall

5. Stop 5 - Key Stream Feature Pool 63 (Area 5)

- The pool is located in a flowing, unnamed stream
- Pool size is in the order of 135m³
- Criteria have been developed to determine key stream features



- A 100 metre longwall mining buffer is proposed on either side of this key stream feature
- The stream would be impacted upstream when mining (predicted to reduce flow)
- Remediation of stream features has been undertaken in other mine impacted areas through grouting

6. Stop 6 - Proposed Vent Shaft Site 5A (Area 5)

- The 28.5 hectares area is located at the junction of Roads 6 and 6A
- Site clearing of 15 hectares is proposed
- All surface activities are to be consolidated in one place
- At this location service boreholes would be created to allow materials to be placed into the mine
- The applicant will transfer 28.5 hectares of land to WaterNSW as an offset
- Walked to Donalds Castle Creek Grinding Grooves (ACHA Site # 52-2-1566). Longwall mining is proposed beneath the site hence it may be impacted
- Potential for loss of water in the Creek has implications for grinding grooves site even if they are not impacted by fracturing

7. Stop 7 - Cordeaux Pit Top

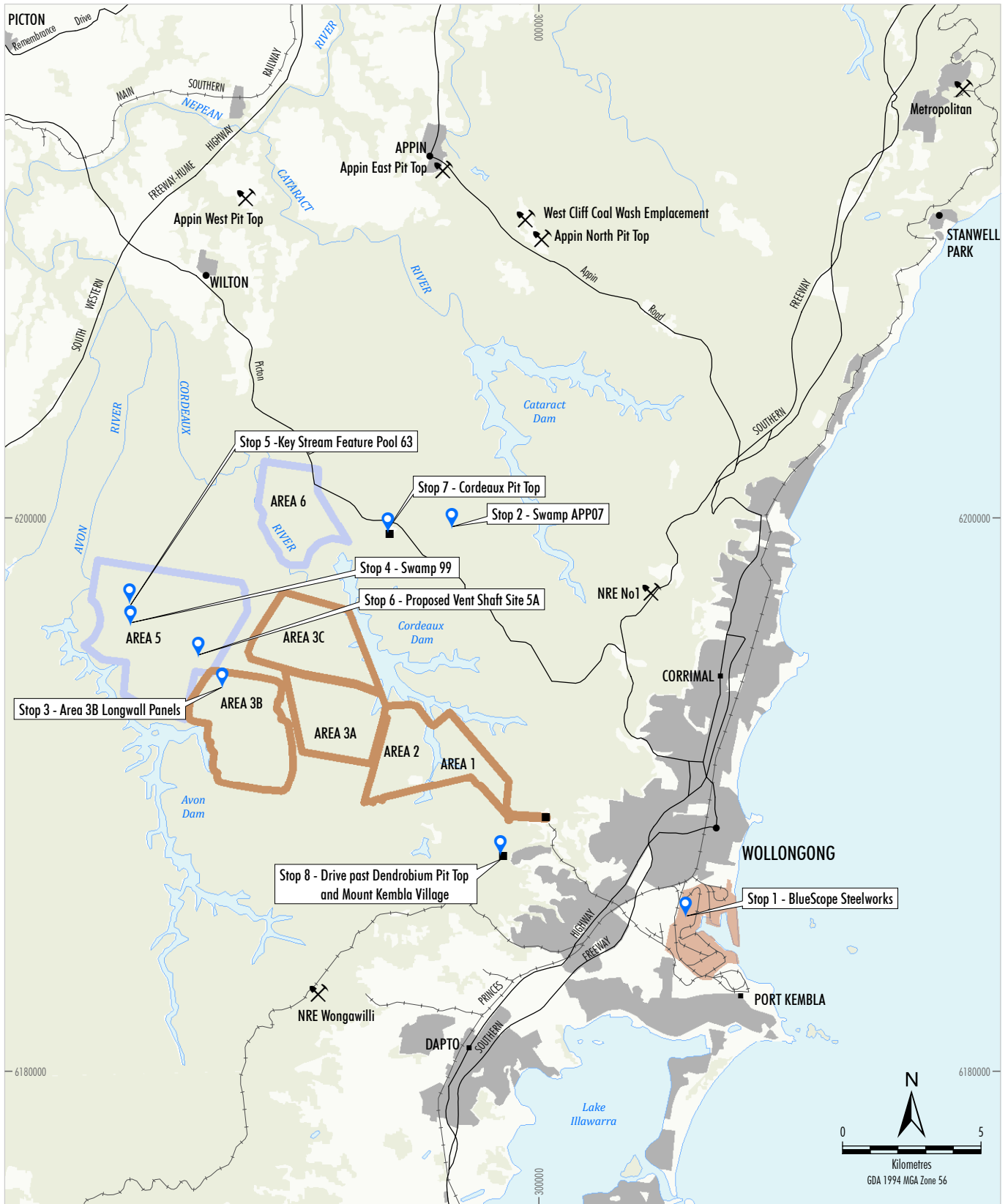
- Drive-by visit only of Cordeaux Pit Top

8. Stop 8 - Dendrobium Pit Top and Mount Kembla Village

- Drive-by visit only of Dendrobium Pit Top and Mount Kembla Village
- Stopped at the Mine Memorial Pathway, Stones Road, Mount Kembla for closing comments
- Drove along part of the route of the Kemira Valley Rail Line to Bluescope Port Kembla

Conclusion of Site Visit at 5.30 pm

Meeting notes taken by Julian Ardas



- LEGEND**
- Road
 - +— Railway
 - Urban Area
 - ▭ Dendrobium Underground Mining Area - Proposed Project
 - ▭ Dendrobium Underground Mining Area - Existing Mine (DA 60-03-2001)

Source: Geoscience Australia, 2006; Department of Industry (2018); Department of Finance, Services & Innovation (2018);





SITE INSPECTION PHOTOS

24 November 2020

Stop 1 – Bluescope



Stop 2 – Swamp APP07 (Area 4)





SITE INSPECTION PHOTOS

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Enroute to Stop 3 – Cordeaux Dam and Cordeaux River



Enroute to Stop 3 - Wongawilli Creek & Donalds Castle Creek





SITE INSPECTION PHOTOS

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Stop 3 - Area 3B Longwalls Swamp 1B



Stop 4 - Swamp 99 (Area 5)





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Stop 5 – Key Stream Feature Pool 63 (Area 6)



Stop 6 – Nearby Grinding Grooves (ACHA # 52-2-1566)





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Stop 7 – Cordeaux Pit Top



Stop 8 – Dendrobium Pit Top Drive-By and Mine Memorial Pathway

