



## SITE INSPECTION DETAILS

<b>Project</b>	Tahmoor South Coal Project (SSD 8445)
<b>Location</b>	Tahmoor, Thirlmere, Picton, Bargo and surrounds.
<b>Date</b>	10 February 2021
<b>Time</b>	8.45am – 4.30pm

## ATTENDANCE

<b>Commission members</b>	Professor Richard Mackay, AM Professor Chris Fell, AO	Panel Chair
<b>Office of the IPC</b>	Kate Moore Lindsey Blecher	Principal Case Manager Senior Planning Officer
<b>Applicant</b>	Peter Vale Charlie Wheatley Zina Ainsworth Nicole Armit David Talbert Matt Johnston	Head of Coal Mines Project Director Environment and Community Manager Director, EMM Consulting Engineer Manager of External Affairs
<b>Community representatives</b>	Julie Sheppard	Secretary, NPA Macarthur
<b>Invited, but did not attend</b>	Undermined Inc Tharawal Local Aboriginal Land Council Gundungurra Tribal Council Aboriginal Corporation #6	

## LOCATIONS AND KEY OBSERVATIONS

A map is provided at **Attachment 1** showing the key locations visited during the site and locality inspection. Photographs taken during the site inspection are provided at **Attachment 2**.

The site inspection was completed via minibus and on foot. The Commissioners were provided with tablets showing mapping with overlain information, which allowed them to understand the extent of existing or proposed underground workings relative to their above-ground position.

Key observations and discussions from the site inspection are noted below.

### 8.45 AM – Induction

- Statement from Chair regarding purpose of inspection
- COVID-19 questionnaire and temperature screening
- Briefing on site safety and itinerary

### 9.00 AM – Tahmoor Coal pit-top inspection

- Observed key site buildings and features from elevated location adjacent administration building

followed by walk through central section of pit top site

- Discussed movement and storage of coal within the pit-top site, offsite transport of coal, and current operation of flares

### **10.15 AM – Morning Tea Break**

### **10.35 AM – Tahmoor, Thirlmere, Picton inspection**

Olive Lane, Bargo

- Viewed noise receptor property on Olive Lane (from bus)

Tahmoor

- Viewed Tahmoor town centre (from bus)
- Discussed subsidence impacts associated with Tahmoor North

Thirlmere Lakes

- Inspected Lake Couridjah
- Viewed Lake Werri Berri and Lake Gandangarra (from bus)
- Discussed water levels, recreational and environmental significance, proximity of previous longwall mining and ongoing research into lake hydrology

Stonequarry Creek Road, Picton

- Viewed properties in subsidence area and minor repairs to the road surface and kerb (from bus)
- Discussed applicant's existing procedures for managing subsidence and engagement with residents

Bridge Street, Picton

- Viewed bridge over railway that was built by the applicant to manage subsidence risk (from bus)
- Discussed subsidence impacts associated with Tahmoor North

Redbank Creek

- Met with applicant's subcontractors and inspected one section of creek where remediation work is in progress
- Discussed the past subsidence impacts on geology and hydrology of Redbank creek, remediation methods and results to-date
- Viewed some sections of Picton industrial estate and discussed subsidence, and the applicant's monitoring and management of subsidence impacts

Myrtle Creek

- Inspected one pool in creek where remediation has occurred
- Discussed subsidence (and upsidence), and completed remediation works

### **1.00 PM – Lunch Break**

### **2.05 PM – Bargo and surrounds inspection**

Caloola Road, Bargo

- Viewed potential noise receiver properties (from bus)

Wirrimbirra Sanctuary

- Viewed main built features, including visitor building and animal enclosures (from bus)
- Discussed Applicant's engagement in regard to undermining of Wirrimbirra Sanctuary

Bargo Township

- Observed housing density/distribution (from bus)
- Noted boundaries of proposed longwalls

#### Dogtrap Creek

- Viewed creek from Arina Road bridge (on foot, traffic controls in place)
- Discussed topography of creek and implications for subsidence risk, and presence of downstream recreation location, Mermaid Pools.

#### Proposed Ventilation Shaft Sites

- Viewed areas proposed for clearing and observed Endangered Ecological Community reported in EIS, and examples of affected grevillea sp.
- Discussed footprint of proposed ventilation shafts and extents of clearing proposed

#### Refuse Emplacement Area

- Viewed existing refuse emplacement area, observed topography, ongoing refuse emplacement, and areas where revegetation has occurred
- Discussed topography, proposed filling, water management and proposed vegetation removal,

#### Existing Ventilation Shaft

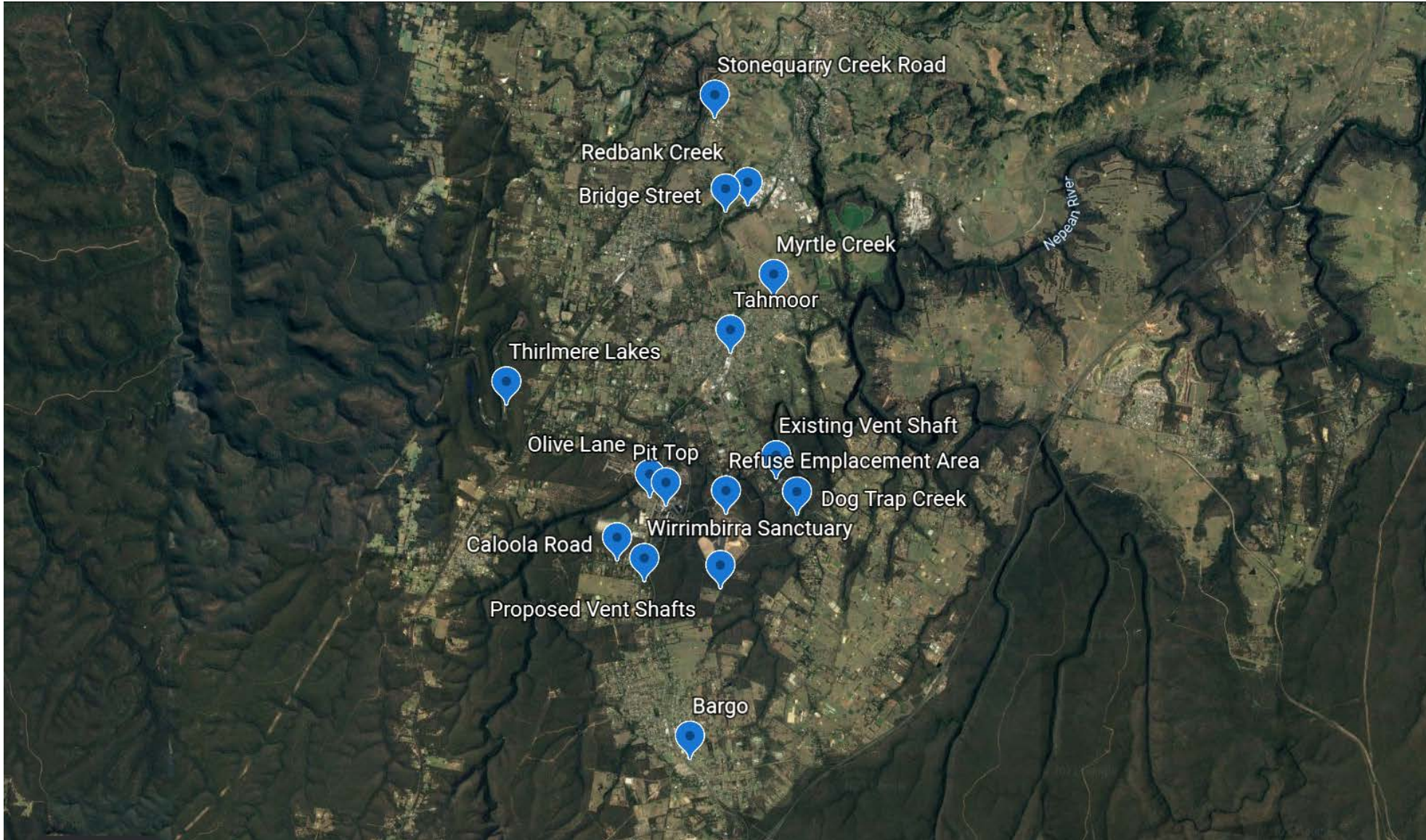
- Viewed existing ventilation shaft site from outside of fenced area (from bus)
- Discussed extents of proposed filling area and management of groundwater

#### **4.30 PM – End of Inspection**

**Meeting notes taken by Lindsey Blecher, Senior Planning Officer**



# ATTACHMENT 1: SITE INSPECTION MAP



Source: base mapping from Google Earth, accessed 12 February 2021



# ATTACHMENT 2: SITE INSPECTION PHOTOS

*Tahmoor Coal Pit Top – Image 1(a)*



*Tahmoor Coal Pit Top - Image 1(b)*



*Tahmoor Coal Pit Top - Image 1(c)*



*Tahmoor Coal Pit Top - Image 1(d)*



*Thirmele Lakes - Image 2(a)*



*Thirmele Lakes – Image 2(b)*





# ATTACHMENT 2: SITE INSPECTION PHOTOS

*Thirmele Lakes – Image 2(c)*



*Stonequarry Creek Road - Image 3(a)*



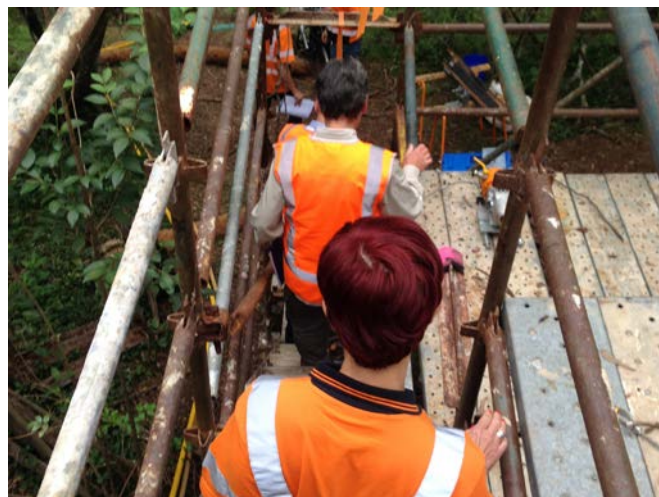
*Stonequarry Creek Road - Image 3(b)*



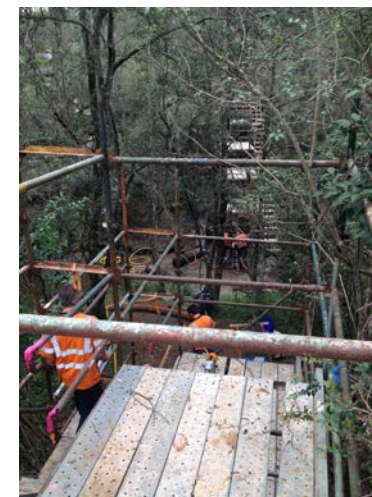
*Redbank Creek - Image 4(a)*



*Redbank Creek - Image 4(b)*



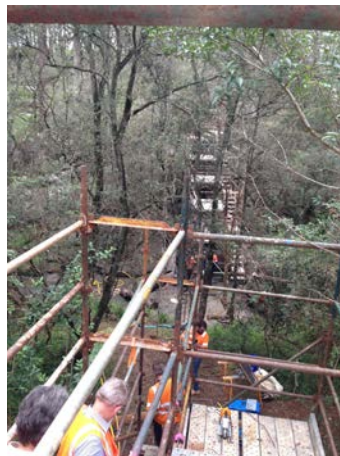
*Redbank Creek - Image 4(c)*





# ATTACHMENT 2: SITE INSPECTION PHOTOS

*Redbank Creek – 4(d)*



*Myrtle Creek - 5(a)*



*Wirrimbirra Sanctuary - 6(a)*



*Wirrimbirra Sanctuary - 6(b)*



*Wirrimbirra Sanctuary – 6(c)*



*Wirrimbirra Sanctuary - 6(d)*





## ATTACHMENT 2: SITE INSPECTION PHOTOS

*Dog Trap Creek – Image 7(a)*



*Dog Trap Creek – Image 7(b)*



*Dog Trap Creek – Image 7(c)*



*Proposed Ventilation Shafts – Image 8(a)*



*Proposed Ventilation Shafts – Image 8(b)*



*Proposed Ventilation Shafts – Image 8(c)*







# ATTACHMENT 2: SITE INSPECTION PHOTOS

*Proposed Ventilation Shafts – Image 8(d)*



*Refuse Emplacement Area – Image 9(a)*



*Refuse Emplacement Area – Image 9(b)*



*Refuse Emplacement Area – Image 9(c)*



*Refuse Emplacement Area – Image 9(d)*



*Existing Ventilation Shaft – Image 10(a)*

