



Notification of approval

Narrabri Underground Mine Stage 3 Extension Project (EPBC ref 2019/8427)

This decision is made under section 133(1) of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Note that section 134(1A) of the EPBC Act applies to this approval. That provision provides, in general terms, that if the approval holder authorises another person to undertake any part of the Action, the approval holder must take all reasonable steps to ensure that the other person is informed of any conditions attached to this approval, and that the other person complies with any such conditions.

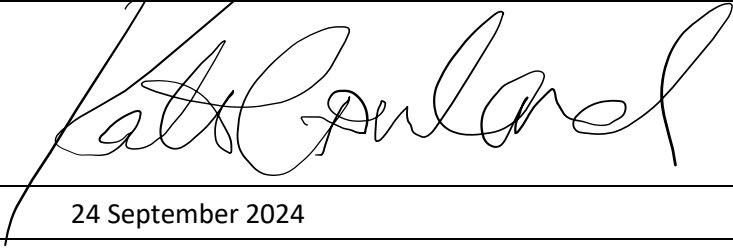
Proposed action

person to whom the approval is granted (approval holder)	Narrabri Coal Operations Pty Ltd
ACN of approval holder	129 850 139
Action	To extend underground mining operations at the existing Narrabri Underground Mine near Narrabri, NSW [See EPBC Act referral 2019/8427].

Approval decision

decision	My decisions on whether or not to approve the taking of the Action for the purposes of each controlling provision for the Action are as follows.	
	Controlling Provision	Decision
	Listed threatened species and communities (section 18 and section 18A)	Approved
	Unconventional gas or large coal mining development with impact on water resources (section 24D and section 24E)	Approved
period for which the approval has effect	This approval has effect until 31 December 2066.	
conditions of approval	The approval is subject to conditions under the EPBC Act as set out in Annexure A.	

Person authorised to make decision

name and position	Kate Gowland Branch Head Environment Assessments (NSW, ACT)
Signature	
date of decision	24 September 2024

Annexure A

Note: Words appearing in **bold** have the meaning assigned to them at PART C – DEFINITIONS.

Part A – Conditions specific to the Action

LISTED THREATENED SPECIES AND ECOLOGICAL COMMUNITIES

The objectives of conditions 1 to 3 are to avoid and mitigate impacts that result from the Action on **protected matters**.

- 1) In taking the Action, the approval holder must not **clear** outside of the **Action area**.
- 2) In taking the Action, the approval holder must not **clear** more than:
 - a) 3.6 ha of ***Bertya opposens* habitat**
 - b) 42.6 ha of **Spiny Peppercreess habitat**
 - c) 405.2 ha of ***Tylophora linearis* habitat**
 - d) 421.6 ha of **Regent Honeyeater habitat**
 - e) 457.4 ha of **Koala habitat**
 - f) 421.6 ha of **Corben's Long-eared Bat habitat**
 - g) 378.1 ha of **Pilliga Mouse habitat**
 - h) 217.6 ha of **Large-eared Pied Bat habitat**
 - i) 421.1 ha of **Painted Honeyeater habitat**
- 3) The approval holder must ensure that habitat loss due to **subsidence** is limited to:
 - a) 14.4 ha of **Spiny Peppercreess habitat**
 - b) 16.8 ha of ***Tylophora linearis* habitat**
 - c) 28.1 ha of **Regent Honeyeater habitat**
 - d) 32.8 ha of **Koala habitat**
 - e) 28.1 ha of **Corbens Long-eared Bat habitat**

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- f) 12.5 ha of **Large-eared Pied Bat habitat**
 - g) 19.6 ha of **Pilliga Mouse habitat**
 - h) 28.1 ha of **Painted Honeyeater habitat**
- 4) If habitat loss due to **subsidence** exceeds, or is predicted to exceed, one or more of the limits specified in condition 3, the approval holder must notify the **department** in writing within **10 business days** of becoming aware of the exceedance or a prediction of an exceedance, the date on which the exceedance occurred or on which the likely exceedance is predicted to occur.
 - 5) This notification must include the likely reason for the exceedance, the type(s) and amount of habitat impacted or likely to be impacted by the **subsidence**, and any corrective actions which have been, or will be, taken to prevent further exceedance. Upon receiving notification of the exceedance, or predicted exceedance, the **Minister** may direct the approval holder to implement specific avoidance, mitigation, corrective and/or compensation measures for the exceedance.
 - 6) The approval holder must implement any specific avoidance, mitigation, corrective and/or compensation measures for the exceedance as directed by the **Minister**.
 - 7) To compensate for impacts to **protected matters**, the approval holder must **retire biodiversity credits**, in accordance with condition B39 of the **State development consent**, to the extent that condition B39 of the **State development consent** relates to **protected matters**.
 - 8) To avoid, mitigate and compensate for impacts to **protected matters**, the approval holder must comply with **State development consent** conditions B42-46, B62, C1-C2 and C8, to the extent that they relate to **protected matters**.

WATER RESOURCES

The objectives of conditions 9 to 30 are to avoid and mitigate the impacts of the Action on **water resources**.

- 9) In taking the Action, the approval holder must not extract more than 11 million tonnes of run-of-mine coal during any given calendar year and must cease by 31 December 2044.
- 10) The approval holder must ensure the action has no **adverse effect** on the **function** of a **water resource** as a result of the action.
- 11) The approval holder must comply with conditions B25-B38, B61, B63-65 within Part B and C1-C4, C7-C11 within Part C of the **State development consent**.
- 12) Prior to the **commencement of the Action** the approval holder must submit to the **department** the version of the **Water Management Plan** approved by the **NSW Planning Secretary**.
 - a) The approval holder must notify the **department** at the same time as submitting any request to have a revised version of the **Water Management Plan** approved. If a revised version of the **Water Management Plan** is approved by the **NSW Planning Secretary**, the approval holder must provide the **department** with the approved revised **Water Management Plan** within **5 business days** of its approval and specify what changes have been made from the previous approved version and any implications of the changes for **protected matters**.

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- b) If at anytime during the period for which this approval has effect, the approval holder detects an exceedance of any **performance criteria**, specified in the approved **Water Management Plan**, the approval holder must notify the **Department** of the exceedance within 5 **business days** of detecting or predicting the exceedance. The approval holder must, within 3 months of the detection or exceedance (or alternative timeframe specified by the **Minister** in writing), publish on the **website** the notification accompanied by details of what corrective actions have been undertaken to prevent the predicted exceedance occurring or to prevent a recurrence of the exceedance.
 - c) Upon receiving notification of an exceedance, or predicted exceedance, the **Minister** may direct the approval holder to undertake specific corrective actions to minimise impacts to **water resources**. The approval holder must implement any specific corrective actions to minimise impacts to **water resources** as directed by the **Minister**.
 - d) The approval holder must ensure that the **Water Management Plan** is capable of detecting and mitigating impacts to **water resources**.
 - e) In addition to the requirements for the **Water Management Plan** provided in condition B36 of the **State development consent**, the approval holder must include in the **Water Management Plan**:
 - i) **Performance criteria**, trigger levels, monitoring and reporting requirements for **key metals** (total and dissolved) and nutrients.
 - ii) **Performance criteria**, trigger levels, monitoring and reporting requirements for **GDE's** and must include (but not limited to) Mayfield, Hardy and Eather Springs.
- 13) The approval holder must submit to the **department** each calendar year and publish on their website, a report detailing the outcomes of the monitoring programs in the approved **Water Management Plan**. The report must contain sufficient detail and information to demonstrate whether the outcomes of condition 10 and **performance criteria** have, or have not, been achieved.

Second workings

- 14) The approval holder must submit to the **department** each approved **Extraction Plan** within 5 **business days** of its approval by the **NSW Planning Secretary**.
- 15) The approval holder must notify the **department** within 5 **business days** of any proposed changes to any approved **Extraction Plan**. If the **NSW Planning Secretary** approves a revised version of an **Extraction Plan**, the approval holder must provide the **department** with the approved revised **Extraction Plan** within 5 **business days** of its approval by the **NSW Planning Secretary**, accompanied by a detailed explanation of what changes have been made and any implications the changes could have for **protected matters**.
- 16) If the approval holder detects or predicts an exceedance of a **performance measure** provided in Table 9 of the **State development consent**, the approval holder must notify the **department**, in writing, within 5 **business days** of detecting or predicting an exceedance.
- 17) If the approval holder detects or predicts an exceedance of a **performance measure** specified in Table 9 of the **State development consent**, the approval holder must submit to the **department** for the **Minister's** approval, an Impact Response Plan. The Impact Response Plan must:

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- a) be prepared by a **suitably qualified expert**;
 - b) describe all potential and actual impacts to **water resources** arising from the exceedance;
 - c) describe and, where possible, include local scale numerical modelling of, all potential contributing activities;
 - d) derive a scientifically-robust rectification strategy based on multiple lines of evidence and field data to support the assessment of the **environmental value** of any affected **water resources** (including the groundwater-dependence of any potential **GDEs**)
 - e) explain why any further investigations are or are not required to determine the cause of the exceedance, and to propose effective corrective actions;
 - f) specify the mitigation and management measures that the approval holder has taken and/or proposes to take to address the exceedance, including demonstrating the effectiveness of the mitigation and management measures using relevant data;
 - g) provide justification for how the proposed mitigation and management measures will achieve and maintain the **performance measures** listed Table 9 of the **State development consent** and ensure compliance with condition 10; and
 - h) include a **peer review** and details of how the approval holder has addressed any inadequacies raised in the **peer review**.
- 18) If the approval holder is required to submit an Impact Response Plan under condition 17, the approval holder must not commence mining, other than **first workings**, of any longwall panel not yet commenced until the Impact Response Plan has been approved by the **Minister**. The approved Impact Response Plan must be implemented by the approval holder.
- 19) The approval holder must publish the approved Impact Response Plan on the **website** within 5 **business days** of its approval. The approval holder must notify the **department** within 5 **business days** of an Impact Response Plan being published and retain the Impact Response Plan on the **website** until the end date of this approval.
- 20) If the **Minister** is not satisfied that the corrective actions or rectification measures specified in an Impact Response Plan will or are likely to achieve the outcome(s) required by condition 10, the **Minister** may direct the approval holder to undertake specific corrective action(s) to limit and/or prevent further impacts to **water resources**. The approval holder must implement any specific corrective actions to minimise impacts to **water resources** as directed by the **Minister**.
- 21) If the **Minister** directs the approval holder to undertake specific corrective action(s) under condition 20, the approval holder must not commence mining, other than **first workings**, of any longwall panel not yet commenced without written approval from the **Minister**.

Brine Management

- 22) Prior to the commencement of brine reinjection, the approval holder must establish and monitor for the duration of the approval, a specific brine groundwater monitoring network and program capable of detecting groundwater quality and head change at the point of brine reinjection.

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- 23) Prior to commencement of brine reinjection, the approval holder must notify the **department** in writing and publish on the approval holder's website, details of the brine groundwater monitoring network and program. Details must include but are not limited to:
 - a) location and details of bore construction;
 - b) starting groundwater head and water quality at each groundwater monitoring location;
 - c) frequency of groundwater head and water quality monitoring.
- 24) If the **Minister** is not satisfied that the published brine groundwater monitoring network and program are sufficient to protect **water resources**, the **Minister** may direct the approval holder to include specific measures in the monitoring network and/or program. If the **Minister** directs the approval holder to include specific measures, the approval holder must update the brine groundwater monitoring network and program with the required measures. The **approval holder** must notify the **department** and publish the updated brine groundwater monitoring network and program within 30 **business days** of receiving the direction from the **Minister**.
- 25) The published brine groundwater monitoring network and program must be implemented by the approval holder.
- 26) For the duration of brine reinjection, the approval holder must ensure that groundwater head does not increase more than 6m at the point of injection when compared to pre-commencement levels.
- 27) If the approval holder detects or predicts a groundwater head increase 6m beyond pre-commencement levels at the point of injection, the approval holder must notify the **department** of the increase in writing within 5 **business days** of detecting or predicting the increase.
- 28) If the approval holder detects or predicts a 6m increase (beyond pre-commencement levels) in groundwater head at the point of injection the approval holder must submit to the **Minister** for approval an Action Response **Plan**. The Action Response **Plan** must include but is not limited to:
 - a) details of the investigation into the cause of the increase or prediction;
 - b) summary and analysis, including hydrographs, of all groundwater head and water quality monitoring for all bores monitoring the injection point against pre brine reinjection conditions;
 - c) specific corrective actions to mitigate current impacts and to prevent further exceedances;
 - d) assessment and consideration of specific actions to ensure the requirements of condition 10 are met;
 - e) alternative brine storage arrangements if further brine re-injection cannot proceed under condition 29.
- 29) If the approval holder detects or predicts a 6m increase (beyond pre-commencement levels) in groundwater head at the point of injection the approval holder must not undertake any further brine re-injection until the **Minister** has approved the Action Response **Plan** in writing.
- 30) The approval holder must publish the approved Action Response Plan on the **website** within 5 **business days** of its approval. The approval holder must notify the **department** within 5 **business days** of an Action Response Plan being published and retain the Impact Response Plan on the **website** until the end date of this approval.

Part B – Administrative conditions

NOTIFICATION OF DATE OF COMMENCEMENT OF THE ACTION

- 31) The approval holder must notify the **department** electronically of the date of **commencement of the Action**, within 5 **business days** of **commencement of the Action**.
- 32) If the **commencement of the Action** does not occur within 5 years from the date of this approval, then the approval holder must not **commence the Action** without the prior written agreement of the **Minister**.

COMPLIANCE RECORDS

- 33) The approval holder must maintain accurate and complete **compliance records**.
- 34) If the **department** makes a request in writing, the approval holder must provide electronic copies of **compliance records** to the **department** within the timeframe specified in the request.
- Note: Compliance records** may be subject to audit by the **department**, or by an independent auditor in accordance with section 458 of the **EPBC Act**, and/or be used to verify compliance with the conditions. Summaries of the results of an audit may be published on the **department's** website or through the general media.
- 35) The approval holder must ensure that any **monitoring data** (including **sensitive ecological data**), surveys, maps, and other spatial and metadata required under the conditions of this approval are prepared in accordance with the *Guidelines for biological survey and mapped data*, Commonwealth of Australia 2018, or as otherwise specified by the **Minister** in writing.
- 36) The approval holder must ensure that any **monitoring data** (including **sensitive ecological data**), surveys, maps, and other spatial and metadata required under the conditions of this approval are prepared in accordance with the *Guide to providing maps and boundary data for EPBC Act projects*, Commonwealth of Australia 2021, or as otherwise specified by the **Minister** in writing.
- 37) The approval holder must submit all **monitoring data** (including **sensitive ecological data**), surveys, maps, other spatial and metadata and all species occurrence record data (sightings and evidence of presence) electronically to the **department** within 12 months of the approval or in accordance with the requirements outlined in specific conditions of this approval.

ANNUAL COMPLIANCE REPORTING

- 38) By the end of March, each year after the **commencement of the action** the approval holder must prepare a **compliance report** for each previous 12-month period, or as otherwise agreed to in writing by the **Minister**.
- 39) Each **compliance report** must be consistent with the *Annual Compliance Report Guidelines*, Commonwealth of Australia 2014.
- 40) Each **compliance report** must include:
- a) Accurate and complete details of compliance and any non-compliance with the conditions and the **plans**, and any **incidents**.
 - b) One or more **shapefile** showing all **clearing** of any **protected matters**, and/or their habitat, undertaken within the 12-month period at the end of which that **compliance report** is prepared.

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- c) A schedule of all **plans** in existence in relation to these conditions and accurate and complete details of how each **plan** is being implemented.
- 41) The approval holder must:
- a) Publish each **compliance report** on the **website** within 60 **business days** following the end of the 12-month period for which that **compliance report** is required.
 - b) Notify the **department** electronically, within 5 **business days** of the date of publication that a **compliance report** has been published on the **website**.
 - c) Provide the weblink for the **compliance report** in the notification to the **department**.
 - d) Keep all published **compliance reports** required by these conditions on the **website** until the expiry date of this approval.
 - e) Exclude or redact **sensitive ecological data** from **compliance reports** published on the **website** or otherwise provided to a member of the public.
 - f) If **sensitive ecological data** is excluded or redacted from the published version, submit the full **compliance report** to the **department** within 5 **business days** of its publication on the **website** and notify the **department** in writing what exclusions and redactions have been made in the version published on the **website**.

Note: Compliance reports may be published on the **department's** website.

REPORTING NON-COMPLIANCE

- 42) The approval holder must notify the **department** electronically, within 2 **business days** of becoming aware of any **incident** and/or potential non-compliance and/or actual non-compliance with the conditions or commitments made in a **plan**.
- 43) The approval holder must specify in the notification:
- a) Any condition or commitment made in a **plan** which has been or may have been breached.
 - b) A short description of the **incident** and/or potential non-compliance and/or actual non-compliance.
 - c) The location (including co-ordinates), date, and time of the **incident** and/or potential non-compliance and/or actual non-compliance.

Note: If the exact information cannot be provided, the approval holder must provide the best information available.

- 44) Unless otherwise specified in the above conditions, the approval holder must provide to the **department** in writing, within 12 **business days** of becoming aware of any **incident** and/or potential non-compliance and/or actual non-compliance, the details of that **incident** and/or potential non-compliance and/or actual non-compliance with the conditions or commitments made in a **plan**. The approval holder must specify:
- a) Any corrective action or investigation which the approval holder has already taken
 - b) The potential impacts of the **incident** and/or non-compliance and/or non-compliance
 - c) The method and timing of any corrective action that will be undertaken by the approval holder.

INDEPENDENT AUDIT

- 45) The approval holder must ensure that an **independent audit** of compliance with the conditions is conducted annually following the **commencement of the Action** until this approval expires, unless otherwise specified in writing by the **Minister**.
- 46) For each **independent audit**, the approval holder must:
- a) Provide the name and qualifications of the nominated **independent** auditor, the draft audit criteria, and proposed timeframe for submitting the **audit report** to the **department** prior to commencing the **independent audit**.
 - b) Only commence the **independent audit** once the nominated **independent** auditor, audit criteria and timeframe for submitting the **audit report** have been approved in writing by the **department**.
 - c) Submit the **audit report** to the **department** for approval within the timeframe specified and approved in writing by the **department**.
 - d) Publish each **audit report** on the **website** within 15 **business days** of the date of the **department's** approval of the **audit report**.
 - e) Keep every **audit report** published on the **website** until this approval expires.
- 47) Each **audit report** must report for the year preceding that **audit report**.
- 48) Each **audit report** must be completed to the satisfaction of the **Minister** and be consistent with the *Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines*, Commonwealth of Australia 2019.

CHANGES TO STATE DEVELOPMENT CONSENT

- 49) The approval holder must notify the **Department** in writing of any proposed change to the **State development consent** that may relate to **protected matters** within 5 **business days** of formally proposing a change or within 5 **business days** of submitting an application to propose a change.
- 50) The approval holder must notify the **Department** in writing of any change to the **State development consent** conditions that may relate to **protected matters**, within 10 **business days** of a change to conditions being approved.

COMPLETION OF THE ACTION

- 51) The approval holder must notify the **department** electronically 60 **business days** prior to the expiry date of this approval, that the approval is due to expire.
- 52) Within 20 **business days** after the **completion of the Action**, and, in any event, before this approval expires, the approval holder must notify the **department** electronically of the date of **completion of the Action** and provide **completion data**.

Part C – Definitions

In these conditions any bolded use of a word or term refers to the below definition of that word or term:

Action area means the location of the Action, represented in Attachment A by the zone enclosed within the black lines designated ‘Action area’.

Adverse effect means the occurrence of any impacts greater than an impact predicted in the assessment documentation. Any exceedance of a **performance criteria** constitutes an adverse effect.

Aquatic GDEs means groundwater dependent ecosystems dependent on the surface expression of groundwater, including:

- River baseflow systems, aquatic and riparian ecosystems that exist in or adjacent to streams (including the hyporheic zone (subsurface interface between surface and groundwater bodies)) which are fed by groundwater; and
- In **Wetlands** (aquatic communities and fringing vegetation dependent on groundwater-fed lakes and **wetlands**), including palustrine (non-tidal **wetlands** dominated by vegetation) and lacustrine (lake) **wetlands** that receive groundwater discharge, and can include spring and swamp ecosystems.

Associated user means any water supply bores, **aquatic GDEs**, terrestrial **GDEs** or subterranean **GDE** potentially partially or wholly affected by the specific **water resource**.

Audit report means a written report of compliance and fulfilment of the conditions attached to this approval, objectively evaluated against the audit criteria approved by the **department**.

Bertya opposens means the **EPBC Act** listed threatened species *Bertya opposens*

Bertya opposens habitat means any area containing habitat which supports **Bertya opposens**. Within the **Action area**, the location of identified **Bertya opposens habitat** is represented in Attachment B by the zones shaded green and designated ‘*Bertya opposens habitat*’.

Biodiversity credits means biodiversity credits in accordance with the Biodiversity Offsets Scheme under the *Biodiversity Conservation Act 2016* (NSW).

Business day means a day that is not a Saturday, a Sunday or a public holiday in the state or territory of the Action.

Clear, cleared or clearing means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ringbarking, uprooting, or burning of vegetation.

Commence the Action or **Commencement of the Action** means the date on which the first instance of any activity associated with the Action (including **clearing** and construction) is undertaken. **Commencement of the Action** does not include minor physical disturbance necessary to:

- a) Undertake pre-clearance surveys or monitoring programs.
- b) Install signage and /or temporary fencing to prevent unapproved use of the project area.
- c) Protect environmental and property assets from fire, weeds, and feral animals, including use of existing surface access tracks.
- d) Install temporary site facilities for persons undertaking pre-commencement activities so long as these are located where they have no impact on any **protected matter**.

Completion data means an environmental report and spatial data clearly detailing how the conditions of this approval have been met. The **department's** chosen format for spatial data is a **shapefile**.

Completion of the Action means the date on which all activities associated with this approval have permanently ceased and/or been completed.

Compliance records means all documentation or other material in whatever form required to demonstrate compliance with the conditions of approval in the approval holder's possession, or that are within the approval holder's power to obtain lawfully.

Compliance report means a written report of compliance with, and fulfilment of, the conditions attached to the approval.

Corben's Long-eared Bat means the **EPBC Act** listed threatened species *Nyctophilus corbeni*.

Corben's Long-eared Bat habitat means any area containing habitat which supports **Corben's Long-eared Bat**. Within the **Action area**, the location of identified **Corben's Long-eared Bat habitat** is represented in Attachment B by the zones shaded blue and designated 'Corben's Long-eared Bat habitat'.

Department means the Australian Government agency responsible for administering the **EPBC Act**.

EPBC Act means the *Environment Protection and Biodiversity Conservation Act 1999* (Cth).

Environmental consequences of subsidence impacts means any loss of surface water flows to the subsurface, loss of standing pools, slope changes to streams, adverse water quality impacts, development of iron bacterial mats, cliff falls, rock falls, landslides, impacts on aquatic ecology, ponding or any **subsidence impact** that reduces **environmental value**.

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Environmental value means a quality or physical characteristic of the **associated user** that is conducive to ecological health, public amenity, or safety.

Extraction Plan means the plan(s) required under condition C8 of the **State development consent**.

First workings means development of main headings, longwall gate roads, related cut throughs and other workings for mine access and ventilation. **First workings** does not include the extraction of coal made accessible by the **first workings**.

Function means the ecosystem components, processes and benefits or services that characterise the **associated user** including support for biological diversity or species composition.

Groundwater Dependent Ecosystem or **GDE** means any ecosystem whose species and ecological processes rely on groundwater, either entirely or intermittently.

Incident means any event which has the potential to, or does, impact on any **protected matter**.

Independent means a person or firm who does not have any individual, financial*, employment* or family affiliation or any conflicting interests with the project, the approval holder or the approval holder's staff, representatives, or associated persons. *Other than for the purpose of undertaking the role for which an independent person is required

Independent audit means an audit conducted by an **independent** and **suitably qualified person** as detailed in the *Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines*, Commonwealth of Australia 2019.

Key metals means antimony, arsenic, cobalt, molybdenum and selenium.

Koala means the **EPBC Act** listed threatened species *Phascolarctos cinereus* (combined populations of Qld, NSW and the ACT).

Koala habitat means any area containing habitat which supports **Koala**. Within the **Action area**, the location of identified **Koala habitat** is represented in Attachment B by the zones shaded orange and designated 'Koala habitat'.

Large-eared Pied Bat means the **EPBC Act** listed threatened species *Chalinolobus dwyeri*.

Large-eared Pied Bat habitat means any area containing habitat which supports **Large-eared Pied Bat**. Within the **Action area**, the location of identified **Large-eared Pied Bat habitat** is represented in Attachment B by the zones shaded green and designated 'Large-eared Pied Bat habitat'.

Minister means the Australian Government Minister administering the **EPBC Act**, including any delegate thereof.

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Monitoring data means the data required to be recorded under the conditions of this approval.

NSW Planning Secretary means the person designated under the **State Development Consent** to approve management plans required under the conditions of the **State Development Consent**.

Painted Honeyeater means the EPBC listed threatened species *Grantiella picta*.

Painted Honeyeater habitat means any area containing habitat which supports **Painted Honeyeater**. Within the **Action area**, the location of identified **Painted Honeyeater habitat** is represented in Attachment B by the zones shaded green and designated 'Painted Honeyeater habitat'.

Peer review means an evaluation of the technical and scientific quality and correctness of work by an **independent suitably qualified expert**.

Performance criteria means specific parameters, associated with the **function** of a **water resource** and relevant to the NSW **performance measures** that will be monitored and specified in the approved **Water Management Plan**.

Performance measures means the thresholds provided in Table 9 condition C1 of the **State development consent** which are to be monitored by specific performance indicators that are included in each approved **Extraction Plan**.

Pilliga Mouse means the **EPBC Act** listed threatened species *Pseudomys pilligaensis*.

Pilliga Mouse habitat means any area containing habitat which supports **Pilliga Mouse**. Within the **Action area**, the location of identified **Pilliga Mouse habitat** is represented in Attachment B by the zones shaded blue and designated 'Pilliga Mouse habitat'.

Plan means any action management plan or strategy that the approval holder is required by these conditions to implement.

Protected matter means a matter protected under a controlling provision in Part 3 of the **EPBC Act** for which this approval has effect.

Regent Honeyeater means the **EPBC Act** listed threatened species *Anthochaera Phrygia*.

Regent Honeyeater habitat means any area containing habitat which supports **Regent Honeyeater**. Within the **Action area**, the location of identified **Regent Honeyeater habitat** is represented in Attachment B by the zones shaded green and designated 'Regent Honeyeater habitat'.

Retire means to retire **biodiversity credits** in accordance with the Biodiversity Offset Scheme under the *Biodiversity Conservation Act 2016* (NSW), such that the **biodiversity credits** can no longer be bought or sold.

Second workings means the extraction of coal from longwall panels.

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Sensitive ecological data means ‘biodiversity data’ as described in the *Policy on Accessing and Sharing Biodiversity Data*, Commonwealth of Australia 2024, which, if released, published or otherwise exposed, may result in **harm** to the relevant **protected matter** as a result of the intentional or unintentional misuse of that biodiversity data.

Shapefile(s) means location and attribute information about the Action provided in an Esri shapefile format. Shapefiles must contain ‘.shp’, ‘.shx’, ‘.dbf’ files and a ‘.prj’ file that specifies the projection/geographic coordinate system used. Shapefiles must also include an ‘.xml’ metadata file that describes the shapefile for discovery and identification purposes.

Spiny Peppercreess means the **EPBC Act** listed threatened species *Lepidium aschersonii*.

Spiny Peppercreess habitat means any area containing habitat which supports **Spiny Peppercreess**. Within the **Action area**, the location of identified **Spiny Peppercreess habitat** is represented in Attachment B by the zones shaded yellow and designated ‘Spiny Peppercreess habitat’.

State development consent means the Development Consent for the Narrabri Underground Mine Stage 3 Extension Project (application number: SSD-10269), granted under section 4.38 of the *Environmental Planning and Assessment Act 1979* (NSW) on 1 April 2022.

Subsidence means the totality of **subsidence effects**, subsidence impacts and **environmental consequences of subsidence impacts**.

Subsidence effects means deformation of the ground mass due to mining, including all mining-induced ground movements, such as vertical and horizontal displacement, tilt, strain and curvature.

Subsidence impacts means any physical changes to the ground and its surface caused by **subsidence effects**, including tensile and shear cracking of the rock mass, localised buckling of strata caused by valley closure and subsidence and surface depressions or troughs.

Suitably qualified expert (for the purpose of meeting the requirements of Condition 17) means a person who has relevant professional qualifications and at least 7 years of work experience in assessing **subsidence impacts** to **protected matters** and can give an authoritative assessment and advice on **subsidence impacts** to **protected matters** resulting from the Action using relevant protocols, standards, methods and/or literature.

Suitably qualified person means a person who has professional qualifications, training, skills and/or experience related to the nominated subject matter and can give authoritative independent assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods and/or literature.

Tylophora linearis means the **EPBC Act** listed threatened species *Tylophora linearis*.

Tylophora linearis habitat means any area containing habitat which supports *Tylophora linearis*. Within the **Action area**, the location of identified *Tylophora linearis habitat* is represented in Attachment B by the zones shaded yellow and designated 'Tylophora linearis habitat'.

Water Management Plan means the plan required under and specified in conditions B35-38 of the **State development consent**.

Water Resource(s) means surface water or groundwater; or a watercourse, lake, wetland, or aquifer (whether or not it currently has water in it); and includes all aspects of the water resource (including water, organisms and other components and ecosystems that contribute to the physical state and **environmental value** of the water resource), as defined in the *Water Act 2007* (Cth).

Website means a set of related web pages located under a single domain name attributed to the approval holder and available to the public.

Attachments

Attachment A – Action Area

Attachment B – Threatened species habitat areas



Attachment A – Action area

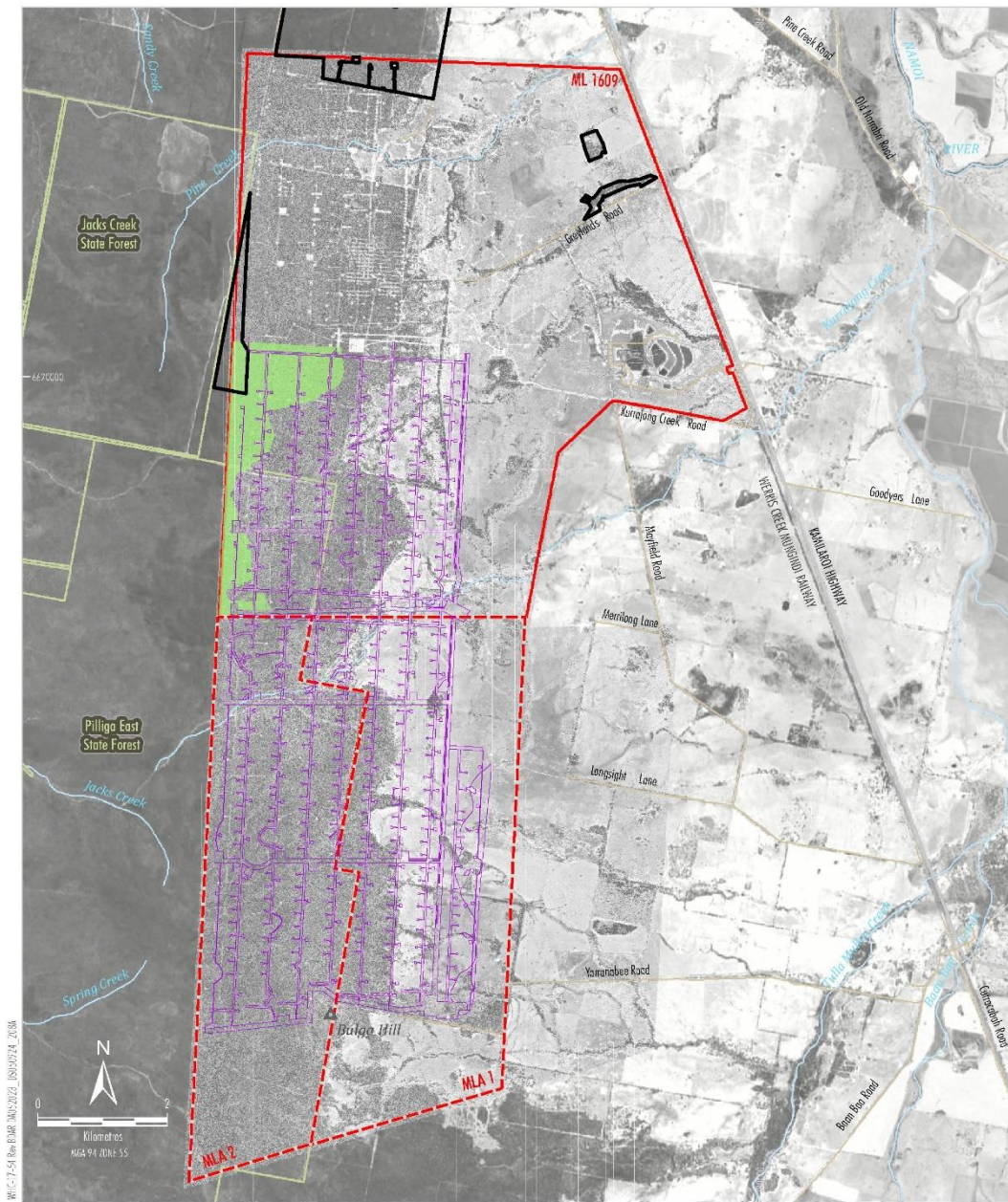


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Source: Orthophotos - Whitehaven Coal (2017); R.W. Coakley & Co Pty Ltd (2009);
NSW Trade & Investment (2017); NCOPL (2019)

 LEGEND
Indicative Extent of Proposed EPBC
Act Action Area

Attachment B – Threatened species habitat areas

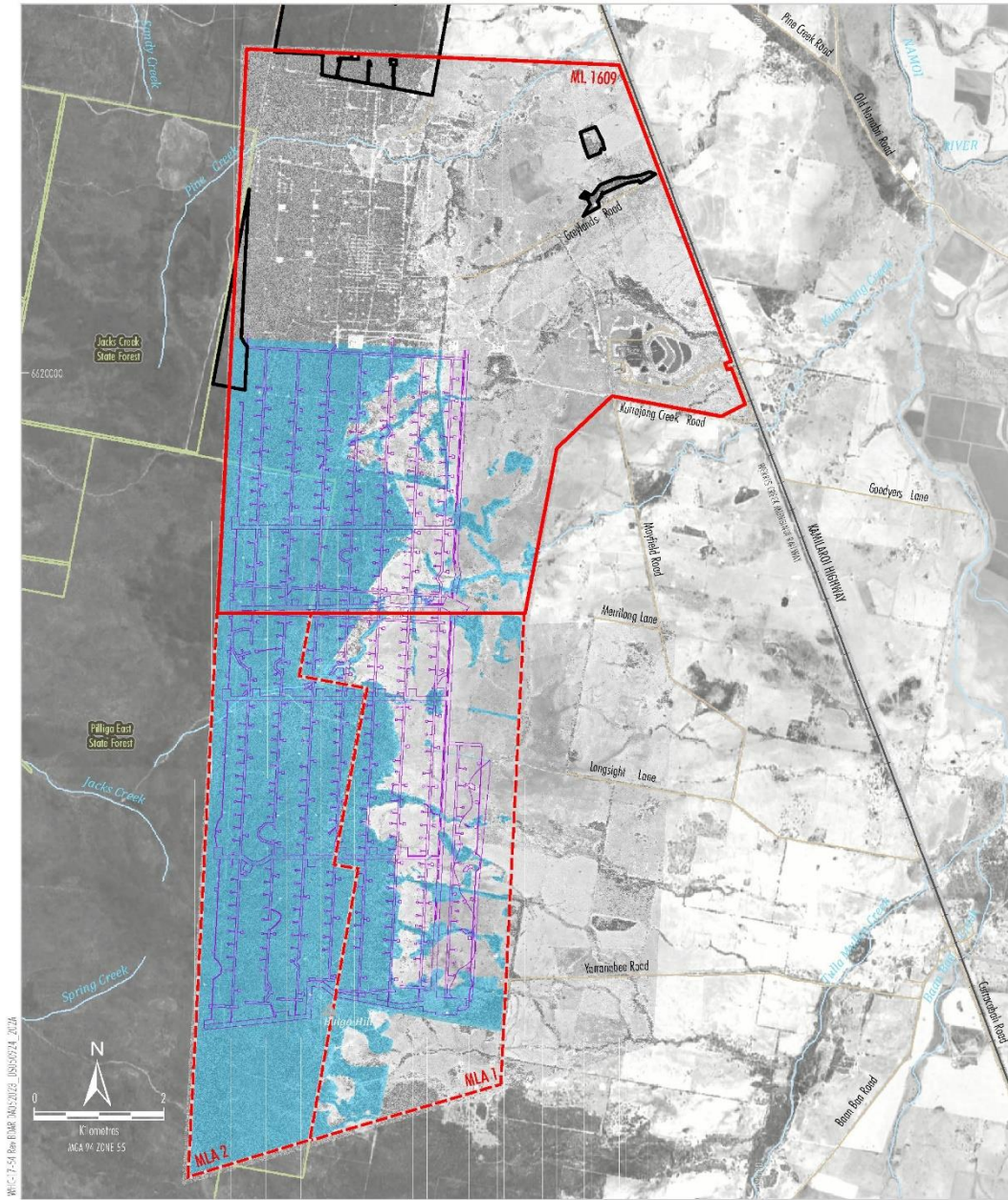


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- LEGEND**
- State Forest
 - Mining Lease (ML 1609)
 - Provisional Mining Lease Application Area
 - Indicative Surface Development Footprint
 - Narrabri Mine Existing Offset Area
 - Coolabah Bertya Species Polygon

Source: Orthophotos - NCOPL (2018);
NSW Spatial Services (2019); NCOPL (2019);
NCOPL (2021);

WHITEHAVEN COAL
NARRABRI STAGE 3 PROJECT
Coolabah Bertya Habitat

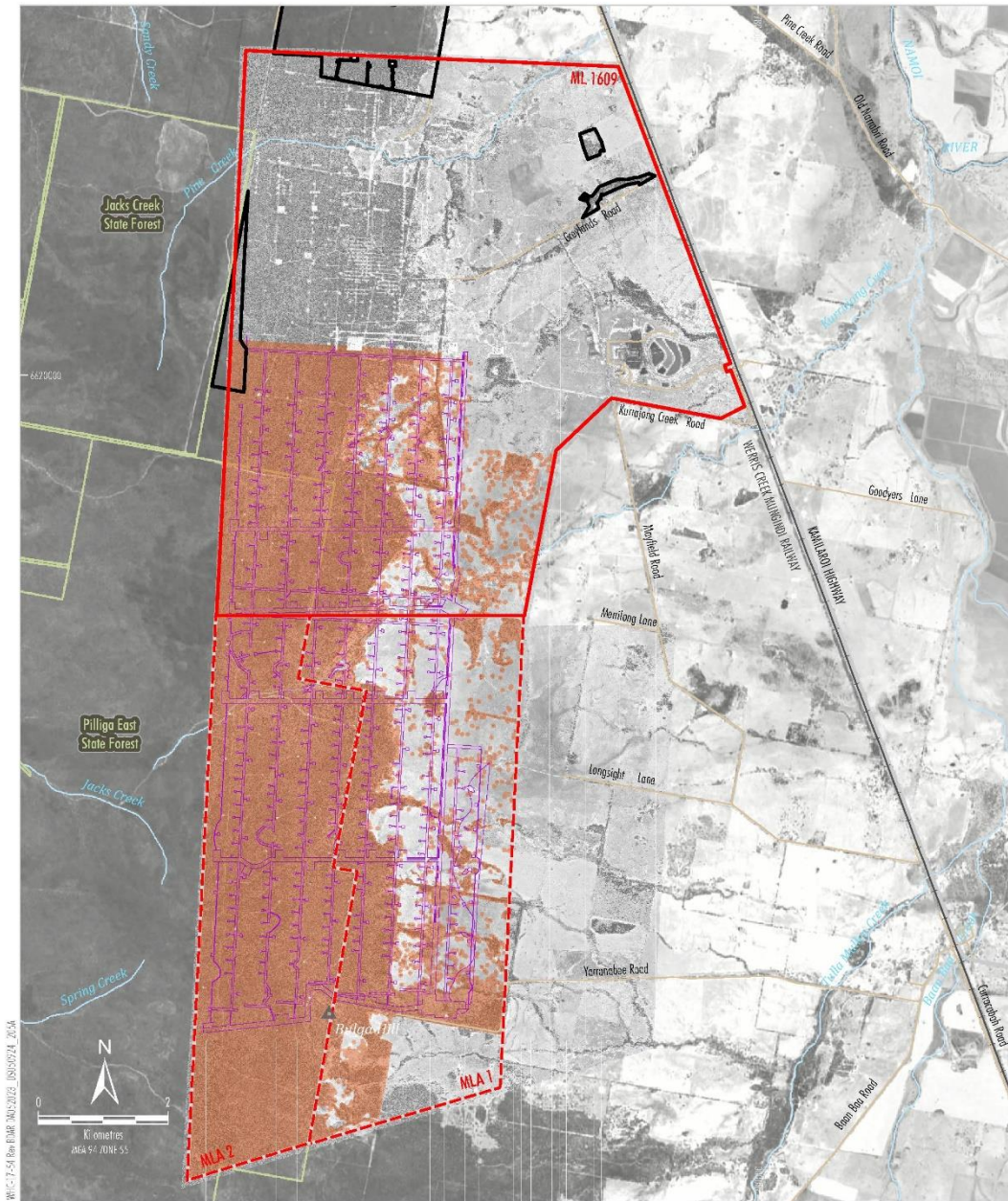


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- LEGEND**
- State Forest
 - Mining Lease (ML 1609)
 - Provisional Mining Lease Application Area
 - Narrabri Mine Existing Offset Area
 - Indicative Surface Development Footprint
 - Carben's Long-eared Bat Habitat

Source: Orthophotos - NCOPL (2018);
 NSW Spatial Services (2019); NCOPL (2019);
 NCOPL (2021); AIA/BS (2020a)

WHITEHAVEN COAL
NARRABRI STAGE 3 PROJECT
 Corben's Long-eared Bat Habitat

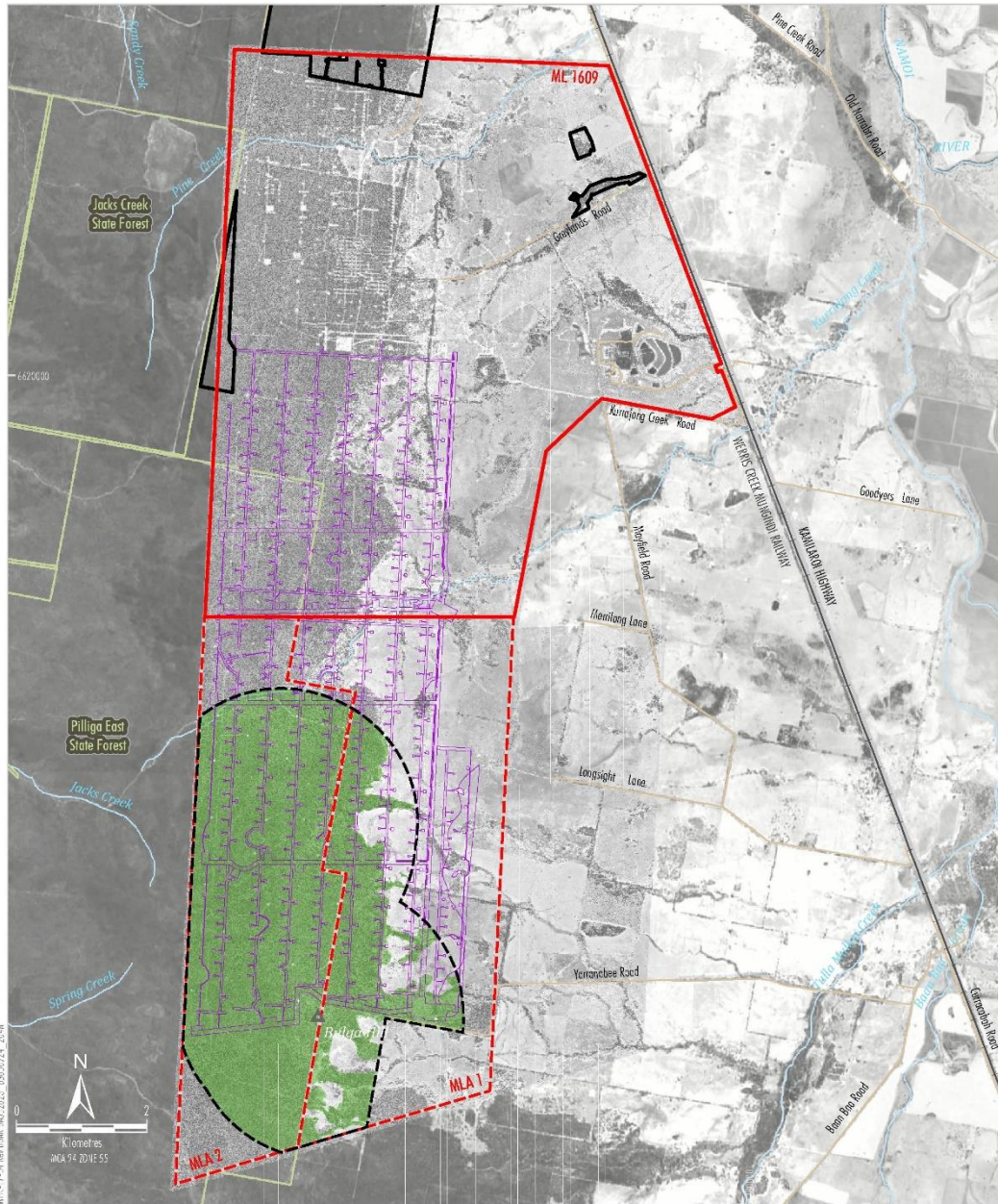


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- State Forest
- Mining Lease (ML 1609)
- Provisional Mining Lease Application Area
- Indicative Surface Development Footprint
- Narrabri Mine Existing Offser Area
- Koala Habitat

Source: Orthophotos - NCOPL (2018);
NSW Spatial Services (2019); NCOPL (2019);
NCOPL (2021); AMBS (2020a)

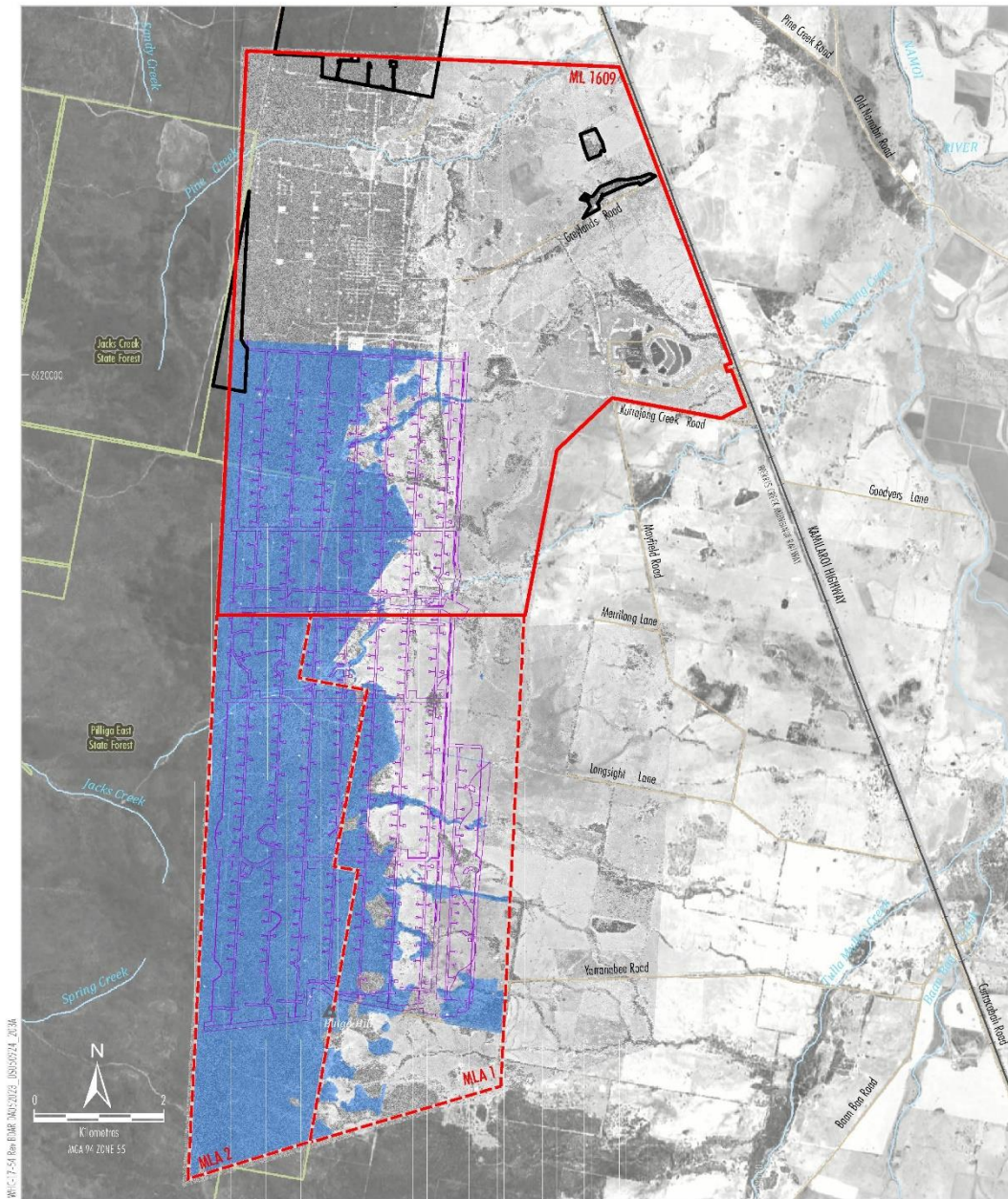
WHITEHAVEN COAL
NARRABRI STAGE 3 PROJECT
Koala Habitat



- LEGEND**
- State Forest
 - Mining Lease (ML 1609)
 - Provisional Mining Lease Application Area
 - Indicative Surface Development Footprint
 - Narrabri Mine Existing Offset Area
 - 2 km Assessment Buffer
 - Large-eared Pied Bat Habitat

Source: Orthophotos - NCOPL (2018);
NSW Spatial Services (2019); NCOPL (2019);
NCOPL (2021); AMBS (2020a)

WHITEHAVEN COAL
NARRABRI STAGE 3 PROJECT
Large-eared Pied Bat Habitat

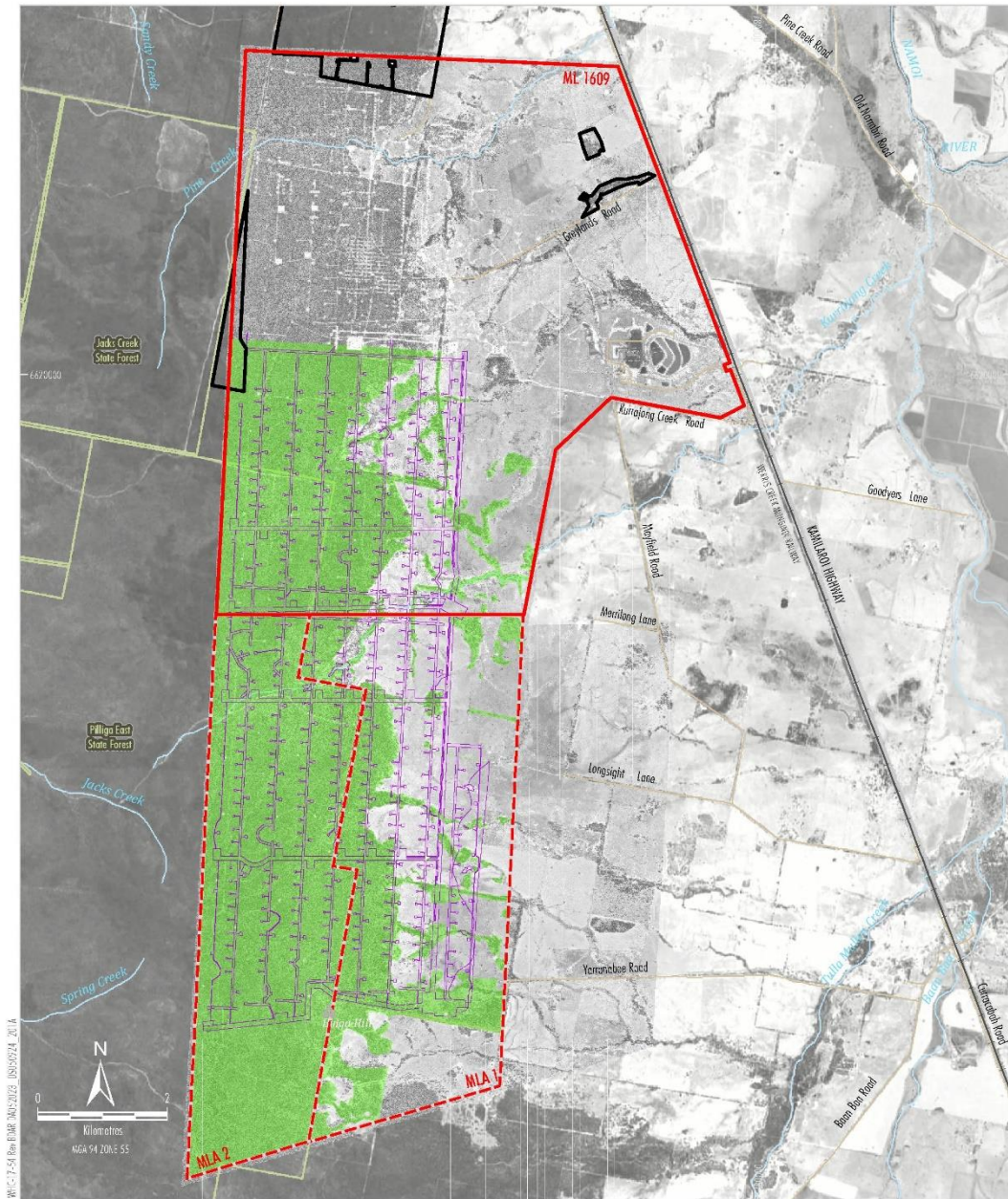


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- LEGEND**
- State Forest
 - Mining Lease (ML 1609)
 - Provisional Mining Lease Application Area
 - Indicative Surface Development Footprint
 - Narrabri Mine Existing Offset Area
 - Pilliga Mouse Habitat

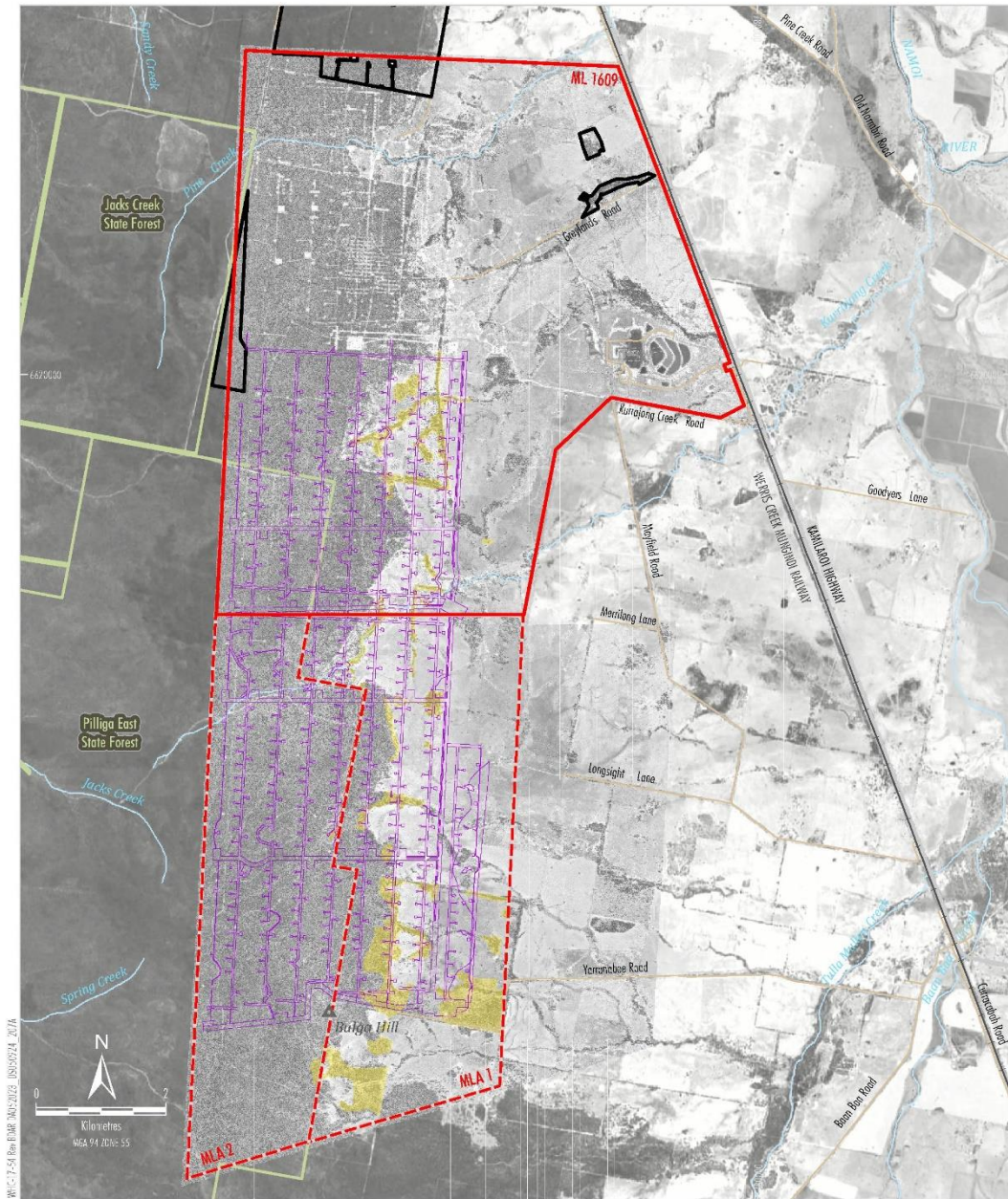
Source: Orthophotos - NCOPL (2018);
 NSW Spatial Services (2019); NCOPL (2019);
 NCOPL (2021); AHBS (2020a)

WHITEHAVEN COAL
NARRABRI STAGE 3 PROJECT
 Pilliga Mouse Habitat



Source: Orthophotos - NCOPL (2018);
NSW Spatial Services (2019); NCOPL (2019);
NCOPL (2021); AMBS (2020a)

WHITEHAVEN COAL
NARRABRI STAGE 3 PROJECT
Regent Honeyeater Habitat

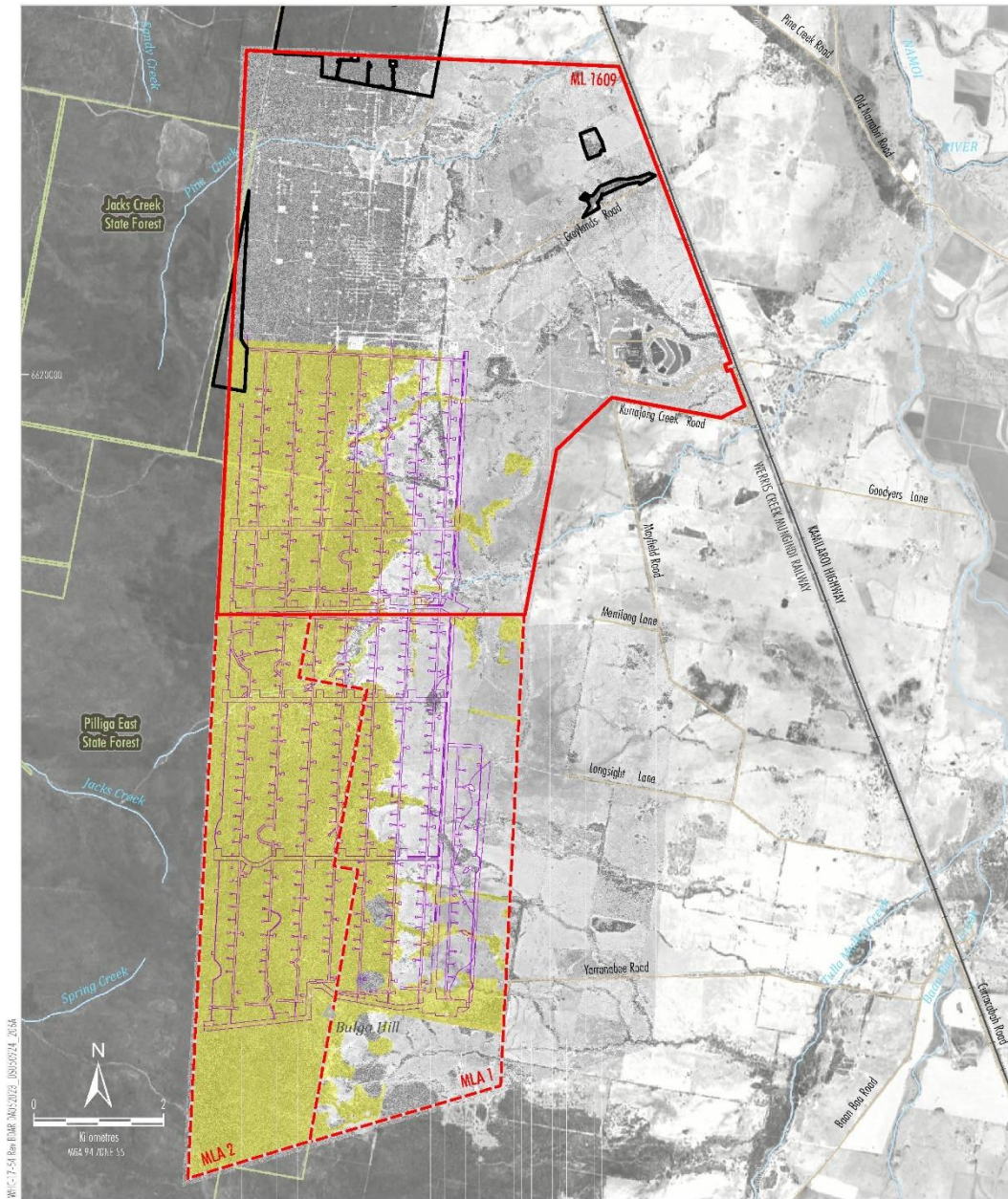


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- LEGEND**
- State Forest
 - Mining Lease (ML 1609)
 - Provisional Mining Lease Application Area
 - Indicative Surface Development Footprint
 - Narrabri Mine Existing Offset Area
 - Spiny Peppergrass Habitat

Source: Orthophotos - NCOPL (2018);
 NSW Spatial Services (2019); NCOPL (2019);
 NCOPL (2021);

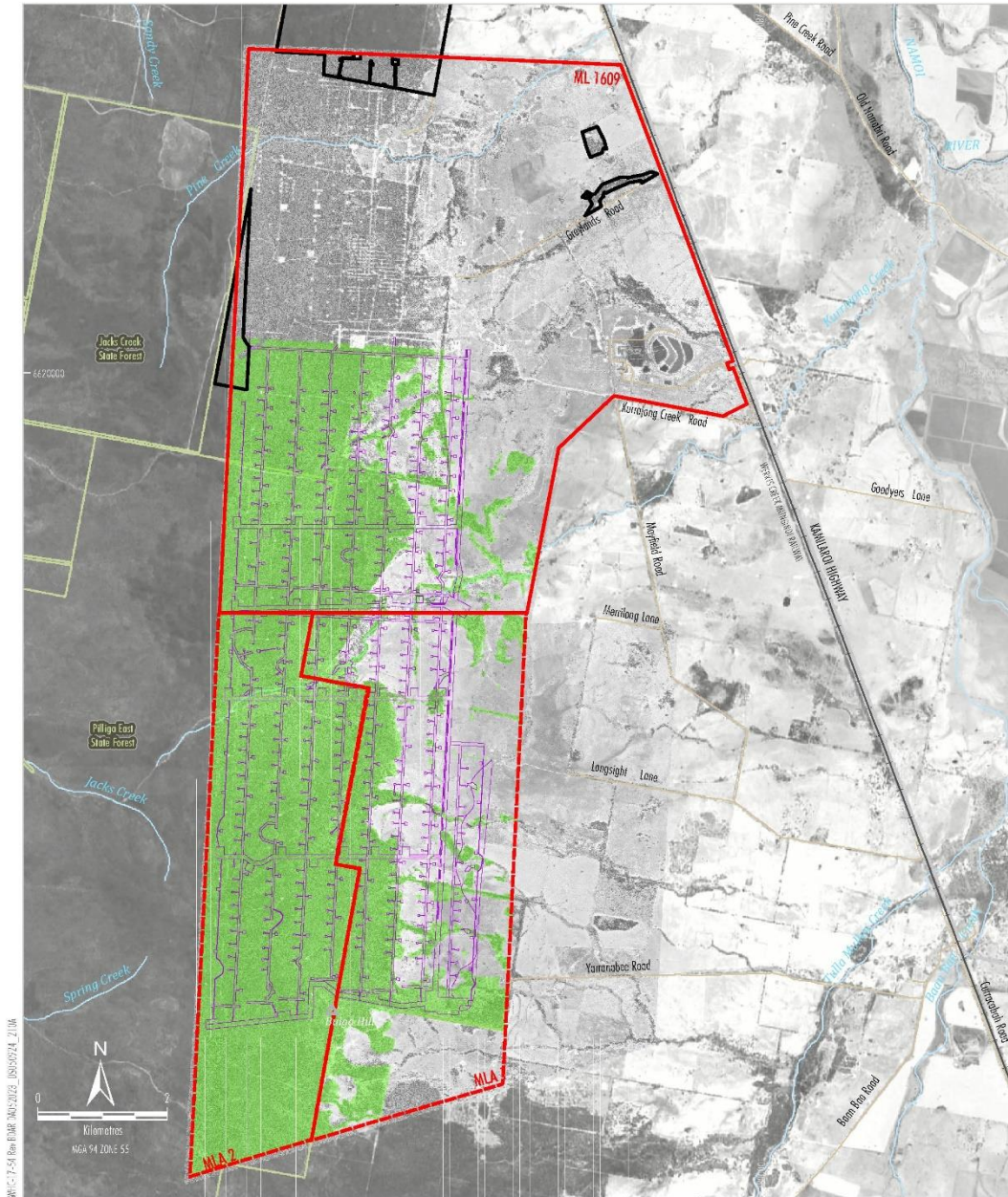
WHITEHAVEN COAL
NARRABRI STAGE 3 PROJECT
Spiny Peppergrass Habitat



- LEGEND**
- State Forest
 - Mining Lease (ML 1609)
 - Provisional Mining Lease Application Area
 - Indicative Surface Development Footprint
 - Narrabri Mine Existing Offset Area
 - Tylophora linearis Habitat

Source: Orthophotos - NCOPL (2018);
 NSW Spatial Services (2019); NCOPL (2019);
 NCOPL (2021); AHBS (2020a)

WHITEHAVEN COAL
 NARRABRI STAGE 3 PROJECT
 Tylophora linearis Habitat



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- LEGEND**
- State Forest
 - Mining Lease (ML 1609)
 - Provisional Mining Lease Application Area
 - Indicative Surface Development Footprint
 - Narrabri Mine Existing Offset Area
 - Painted Honeyeater Habitat

Source: Orthophotos - NCOPL (2018);
 NSW Spatial Services (2019); NCOPL (2019);
 NCOPL (2021); AABS (2020a)

NARRABRI STAGE 3 PROJECT
 Painted Honeyeater Habitat