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APPENDIX V – Environmental Impact Statement

Contamination preliminary site investigation

Prepared for Lake Lyell Project Pty Ltd



Lake Lyell Pumped Hydro Energy Storage Project

Contamination Preliminary Site Investigation

Lake Lyell Project Pty Ltd

E221111 RP11

November 2025

Version	Date	Prepared by	Reviewed by	Comments
1	29 August 2024	Amy Hughes	Anthony Davis	Draft for client review
2	12 September 2024	Amy Hughes	Anthony Davis	Final draft incorporating client comments
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4	26 August 2025	Amy Hughes	Anthony Davis	Final draft
5	21 November 2025	Amy Hughes	Anthony Davis	Final

Approved by

Anthony Davis

Anthony Davis
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21 November 2025

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Executive Summary

ES1 Introduction

EnergyAustralia Portfolio Holdings Pty Ltd (EnergyAustralia) in partnership with EDF power solutions Australia (EDFA), referred to as Lake Lyell Project Pty Ltd (LLP) as trustee, is developing the Lake Lyell Pumped Hydro Energy Storage (PHES) Project (the project). The project will have the capacity to store up to 3,080 megawatt hours (MWh) of energy and generate at 385 megawatts (MW) for 8 hours or generate up to around 440 MW for a shorter period.

This contamination preliminary site investigation (PSI) supports the environmental impact statement (EIS) for the project. The PSI documents the contamination assessment approach, results and outlines the mitigation and management measures proposed to address identified potential contamination impacts, which may impact the project. For the purposes of this PSI, the study area comprises the construction envelope which incorporates key project features including the pumped hydro location, road upgrade areas, Lilyvale Dam and two potential accommodation camps (referred to as the Lakeside camp and alternative Town camp).

ES2 Scope of work

The broad objectives of this PSI are to:

- inform the EIS by addressing the Secretary's environment assessment requirements (SEARs) relevant to contamination
- evaluate the requirement for future assessment, management and/or remediation required to be undertaken during the early works, construction and operational phases of the project.

ES3 Findings

Areas of potential contamination were identified by reviewing available relevant historical information, the environmental setting and undertaking site inspections. This information was used to assess potential contaminants, exposure mechanisms, pathways and potentially affected media as outlined in the conceptual site model (CSM).

Based on the review of the existing environment and previous investigations, potential contamination sources identified within the construction envelope were considered low risk, apart from the following areas which were identified as presenting a moderate contamination risk.

Road upgrade areas:

- The Shell Service Station at the intersection of Magpie Hollow Road and Great Western Highway has been listed as a notified contaminated site by the NSW Environment Protection Authority (EPA).

Town camp:

- Fill material of unknown origin, encompassing an area of approximately 2.1 hectares (ha) has been used to fill the quarry, within the northern section of the Town camp. The contamination status of this filled area is unknown.
- Several soil stockpiles were identified throughout the Town camp with a large stockpile area located within the northern section, estimated to comprise a volume of approximately 21,000 metres cubed (m^3). Two soil stockpiles of unknown origin were also observed within the southern portion of the Town camp.

- A fill emplacement area and associated ground disturbance encompassing an estimated 2.2 ha was observed adjacent to and intersecting the south-western area of the Town camp.
- Intensive market garden activities have occurred within the southern portion of the Town camp which could have resulted in residual contamination of the soil within this area.
- Two areas of the Town camp, including the northern section and an area to the south-west, were reported as areas of known contamination by the Lithgow City Council (Council). No further information was provided by Council regarding the nature of the contamination within any of the documents provided for review.

ES4 Recommendations

ES4.1 Early works and construction

The key management measures for the early works and construction phases of the project include:

- Development of appropriate project documentation (e.g. construction environmental management plan (CEMP) incorporating a spoil management plan (SMP) and construction soil and water management plan (CSWMP)) for areas identified as low risk and unexpected finds, to inform requirements for the management of contamination identified during the early works and construction phases of the project.
- Testing and characterisation of spoil prior to permanent placement within infill areas.
- Assessment of sediment conditions within proposed disturbance and excavation areas would be beneficial to inform the usage of this material during construction, if it is intended to be excavated and reused in other areas.
- Intrusive investigations should be undertaken at the northern end of Magpie Hollow Road in the vicinity of the Shell Service Station, prior to undertaking any ground disturbance works within the area.
- It is also recommended that a detailed site investigation (DSI) is undertaken at the Town camp to assess suitability for the proposed accommodation camp.
- Temporary construction laydown areas are to be created to store materials, spoil and equipment as well as provide space for other ancillary facilities such as site offices. The laydown areas would be used to stockpile material from excavation activities. Stockpiling would be ongoing for the duration of the excavation works. Stockpiling activities would be managed by adopting appropriate erosion and sediment controls in accordance with Managing Urban Stormwater: Soils and Construction (Landcom 2004) (The Blue Book).

ES4.2 Operation

Development of an operational environmental management plan (OEMP) may be required to manage contamination during the future operation of the project.

While operational impacts associated with the project are not considered to present a significant risk, they would need to be documented in the OEMP to ensure appropriate management actions are documented in the event of an incidence of environmental harm occurring.

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1 Introduction

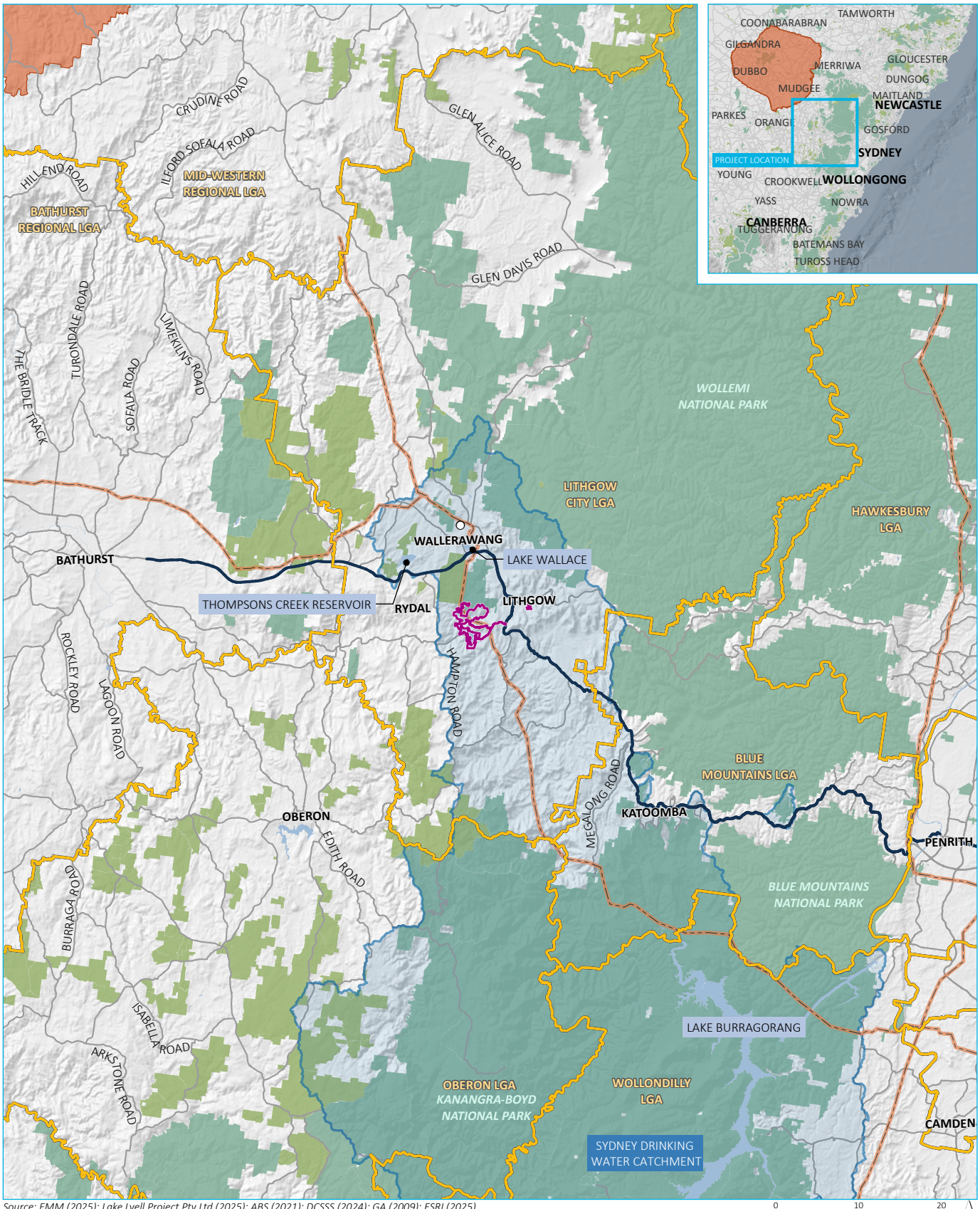
1.1 Background

EnergyAustralia Portfolio Holdings Pty Ltd (EnergyAustralia) in partnership with EDF power solutions Australia (EDFA), referred to as Lake Lyell Project Pty Ltd (LLP) as trustee, is developing the Lake Lyell Pumped Hydro Energy Storage (PHES) Project (the project). The project will have the capacity to store up to 3,080 megawatt hours (MWh) of energy and generate at 385 megawatts (MW) for 8 hours or generate up to around 440 MW for a shorter period. At a basic level, it will consist of upper and lower water reservoirs, a pipeline connecting them, and a hydro-electric power station connected to the national energy grid that is capable of generating or consuming electricity.

The project is located approximately 5 kilometres (km) west of Lithgow and 110 km west of the Sydney central business district, shown in Figure 1.1 and Figure 1.2. The project takes advantage of existing infrastructure (i.e. Lake Lyell) associated with Mt Piper power station which will be decommissioned in the coming decades and allows Lake Lyell to continue to serve a specific purpose in electricity generation (consistent with its existing use).

In June 2024, the Minister for Planning and Public Spaces declared the project to be Critical State Significant Infrastructure (CSSI). Accordingly, approval for the project is required under Part 5, Division 5.2 of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act). This requires the preparation of an environmental impact statement (EIS) for the project in accordance with Secretary's environmental assessment requirements (SEARs) and the approval of the Minister. EMM Consulting Pty Limited (EMM) has been engaged by LLP to prepare the EIS.

This contamination preliminary site investigation (PSI) is an appendix to the project's EIS and should be read in conjunction with it. The PSI addresses the SEARs issued for the project (refer to Section 1.3.2).



Source: EMM (2025); Lake Lyell Project Pty Ltd (2025); ABS (2021); DCSSS (2024); GA (2009); ESRI (2025)

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KEY

- Project area

Existing environment

- Mt Piper Power Station
- Major road
- Great Western Highway
- 330 kV transmission line
- Named waterbody
- NPWS reserve
- State forest
- Local government area
- Sydney Drinking Water Catchment
- Central West Orana Renewable Energy Zone

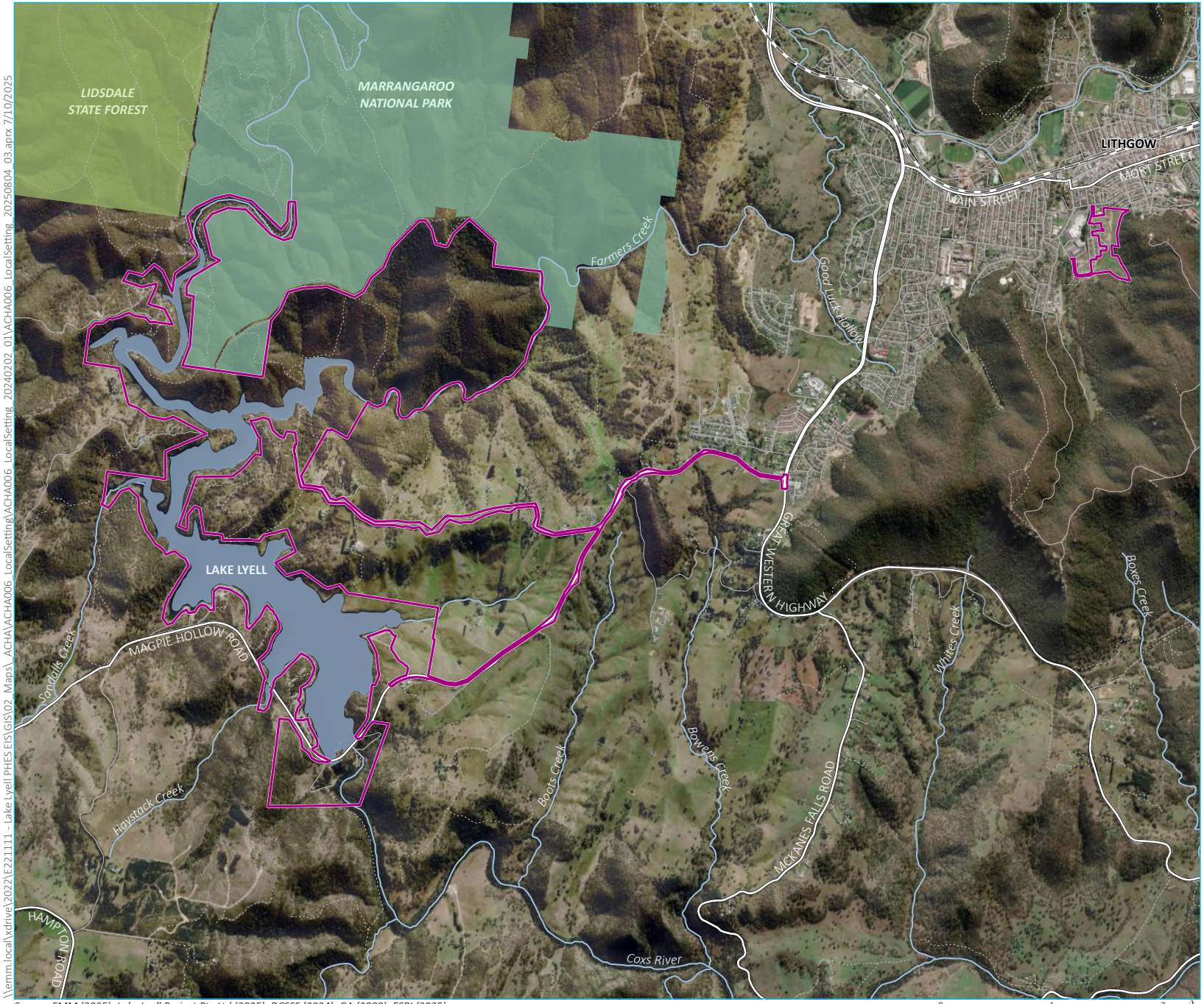
INSET KEY

- Major road
- NPWS reserve
- State forest
- Central West Orana Renewable Energy Zone

Regional context

Lake Lyell PHES
Contamination Preliminary Site Investigation
Figure 1.1

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KEY

- Project area

Existing environment

- Rail line
- Major road
- Minor road
- Vehicular track
- Named watercourse
- Named waterbody
- NPWS reserve
- State forest

Source: EMM (2025); Lake Lyell Project Pty Ltd (2025); DCSSS (2024); GA (2009); ESRI (2025)

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Local context

Lake Lyell PHES
Contamination Preliminary Site Investigation
Figure 1.2

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1.2 Purpose of this report

This PSI supports the EIS for the project. It documents the contamination assessment methods, results and outlines the mitigation and management measures proposed to address any identified potential contamination impacts. The study area for this PSI consists of the construction envelope (refer to Figure 2.1) which incorporates the following main features:

- Pumped hydro location: including the pumped hydro generation components such as the upper reservoir, lower reservoir, inlet/outlet structures, and underground powerhouse, surge shaft, waterway tunnels, access tracks, laydown areas, administration, utilities and transmission connection components.
- Road upgrade areas: upgrade and widening of areas along Sir Thomas Mitchell Drive (approximately 3.5 km) and the northern end of Magpie Hollow Road (approximately 4.5 km) down to the accommodation camp – Lakeside camp for site access.
- Lilyvale Dam: potential laydown area.
- Accommodation camp - Lakeside camp: preferred accommodation camp location.
- Accommodation camp – Town camp: alternative accommodation location.

The specific objectives of this PSI are to inform the EIS and address the SEARs by:

- completing a desktop assessment to inform the understanding of contamination conditions within the construction envelope, including potential impacts associated with the spoil generated by the project, the use of hydrocarbons and chemicals
- identifying and assessing potential areas and contaminants of potential concern within the construction envelope
- providing a preliminary qualitative assessment, and desktop review of available quantitative data, in relation to contamination risk posed during construction and operation of the project
- assessing where further investigation should be undertaken, or appropriate management procedures should be implemented for the construction and operational phases of the project
- assessing whether the land may be contaminated and if so, whether remediation may be required including confirmation that future assessment and/or remediation would be undertaken in accordance with the current guidelines.

1.3 Assessment guidelines and requirements

This PSI has been prepared with reference to relevant guidelines, policies and industry requirements, and following consultation with stakeholders, including relevant government agencies and the community.

1.3.1 Statutory context, policy and guidelines

i Commonwealth regulatory and policy framework

The following Commonwealth legislation, policies and guidelines have been considered during the preparation of this report:

- National Environment Protection Council (NEPC) 1999. National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended 2013 (ASC NEPM 2013).

- *Workplace Health and Safety Act 2011.*
- *Workplace Health and Safety Regulation 2017*.

ii New South Wales regulatory and policy framework

The following NSW legislation, policies and guidelines have been considered during the preparation of this report:

- *Protection of the Environment Operations Act 1997* (NSW) (POEO Act).
- *Contaminated Land Management Act 1997* (NSW) (CLM Act).
- *Environmentally Hazardous Chemicals Act 1985* (NSW) (EHC Act).
- *State Environmental Planning Policy (Resilience and Hazards) 2021.*
- NSW Environment Protection Authority (EPA 2015). Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997.
- EPA (2017). Contaminated Land Management Guidelines for the Site Auditor Scheme (3rd Edition).
- EPA (2016). Environmental Guidelines: Solid Waste Landfills, Second Edition.
- EPA (2020). Guidelines for the Consultants Reporting on Contaminated Land.
- DEC (2007). Guidelines for the Assessment and Management of Groundwater Contamination.

1.3.2 Secretary's environmental assessment requirements

This PSI has been prepared in accordance with the requirements of the NSW Department of Planning, Housing and Infrastructure (DPHI) and relevant agencies, which are set out in the SEARs for the project, issued on 17 November 2025. The SEARs identify matters which must be addressed in the EIS. Individual requirements relevant to this PSI and where they are addressed in this report are listed in Table 1.1.

Table 1.1 Relevant matters raised in SEARs

Requirement	Chapter / Section addressed
Land: an assessment of impacts of the project on: • soils including potential impacts associated with the spoil generated by the project, the use of hydrocarbons and chemicals…	Chapter 5
Hazards: an assessment of: • a preliminary investigation into potential contamination across the site, in accordance with the *State Environmental Planning Policy* (*Resilience and Hazards*) *2021* (as required)	Entire report

2 Description of the project

A detailed description of the project, including an overview of its design, construction and operation is provided in the project's EIS. The EIS (specifically Chapter 3 (Project description) and Appendix B (Detailed project description and plans)) should be read in conjunction with this report. A summary of the project's key elements is provided below.

The project design can be broadly categorised into:

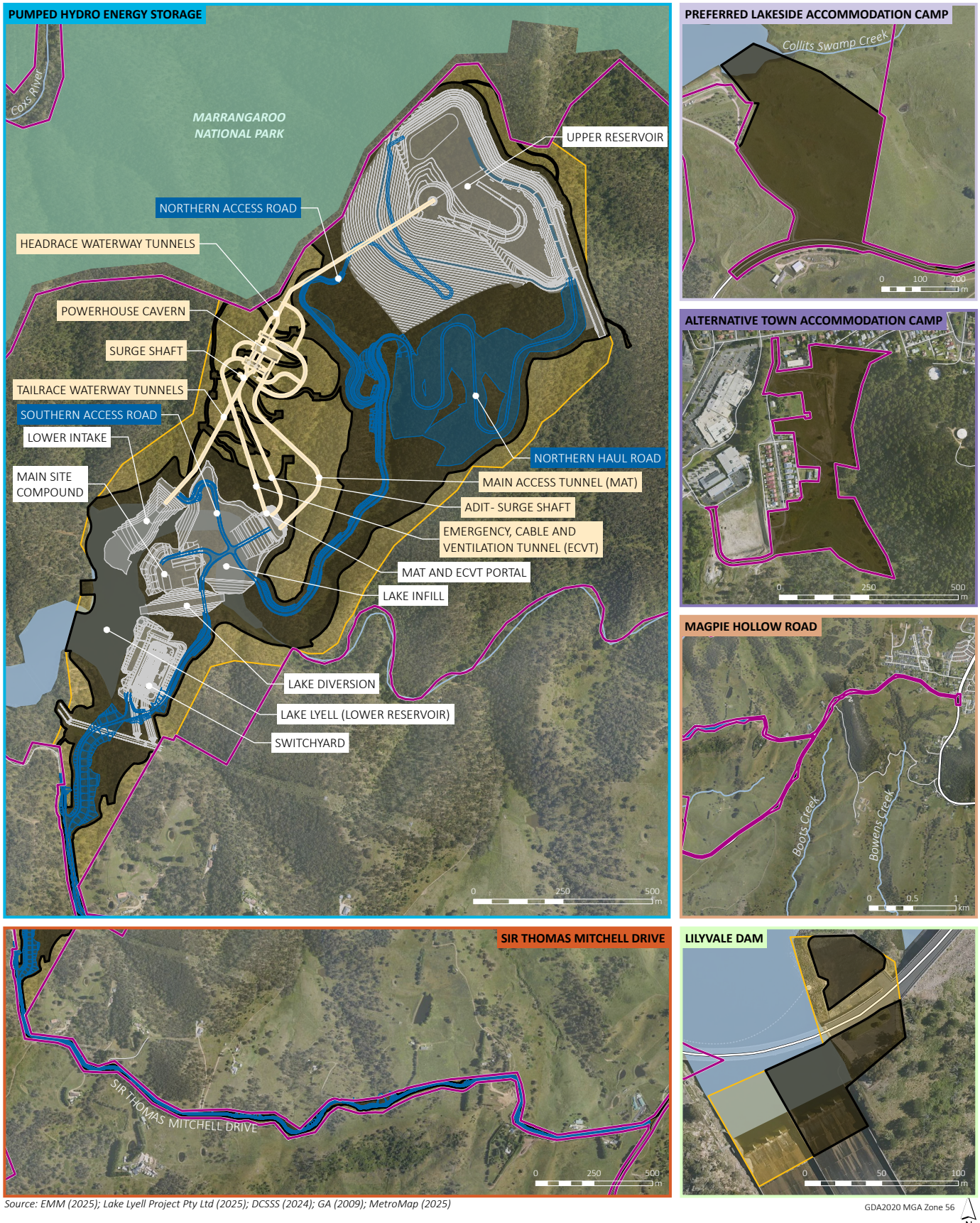
- pumped hydro generation components – including a 5.3 gigalitre (GL) upper reservoir to be constructed behind the southern ridge of Mount Walker, a 33.5 GL lower reservoir (existing Lake Lyell), inlet/outlet structures, and an underground powerhouse, surge shaft and waterway tunnels
- transmission connection components – including a new high voltage switchyard and connection to the existing 330 kilovolt (kV) transmission line that runs through the site
- site access and ancillary facilities – including upgrade of existing and construction of new access roads and bridges, a diversion and infill of a section of Lake Lyell, administration and utilities
- other construction components or works – including geotechnical investigations, temporary workforce accommodation, site work pads, laydown areas and facilities, and spoil management.

Construction will be completed in stages, including:

- pre-construction / early works – consisting of initial access works (internal and external roads), geotechnical investigations, site establishment and preparation of the worker's accommodation camp
- main works – consisting of all other construction activities needed to enable operation of the project.

During operation, the project will act as an electrical energy storage system through the conversion of electrical to kinetic energy to gravitational energy and back via water as it is transferred from the elevated upper reservoir to a lower reservoir. The project will provide services to the wholesale 'spot' market on the National Electricity Market (NEM), and support ancillary services used to manage the power system reliably.

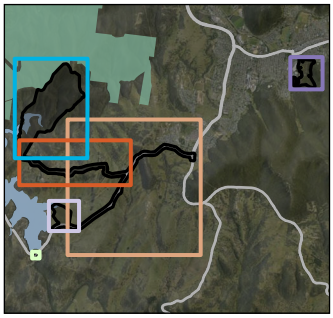
After the 80 to 100-year design life of the project, the asset may remain viable for a plant refurbishment and extension of life as has been seen for other older assets globally. Following the plants final refurbishment or once it has reached the end of its serviceable life then the project would look to return the site to a more natural state and encourage community beneficial use.



Source: EMM (2025); Lake Lyell Project Pty Ltd (2025); DCSSS (2024); GA (2009); MetroMap (2025)

GDA2020 MGA Zone 56

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KEY

- Project area
- Permanent road
- Above ground design
- Underground design
- Construction envelope
- Disturbance footprint

Existing environment

- Major road
- Minor road
- Named watercourse
- Named waterbody
- NPWS reserve

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Project overview

Lake Lyell PHES
Contamination Preliminary Site Investigation
Figure 2.1

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2.1 Project areas

The project area is located about 5 km west of Lithgow, within the City of Lithgow local government area (LGA). The project area includes parts of Mount Walker, Lake Lyell, and adjacent land, and the road corridors needed for site access.

The project is based on a concept design and therefore it is anticipated that ongoing refinements will occur as part of the detailed design. The concept design demonstrates project feasibility and provides sufficient detail to inform the preparation of the EIS and seek approval. It is anticipated any optimisation or refinement of the design could occur within the design parameters and construction envelope provided by the concept and assessed in the EIS.

Aligned with the design integration and assessment (DIAA) approach and to accommodate future optimisation and refinement to the design as it progresses, a 'project area', 'construction envelope', 'disturbance footprint' and 'operational footprint' approach have been defined for the project. The study area for this PSI is the construction envelope. Land properties within the project areas are provided in Table 2.1.

All physical disturbance generated by the project will be primarily contained on land owned by EnergyAustralia. The construction of the project will require a variety of significant construction activities to be undertaken to establish project infrastructure as well as supporting infrastructure, some of which are temporary. Consequently, the operational footprint and the area needed for construction will differ.

Table 2.1 Project areas

Term	Definition / Description
Project area	The project area is a broader buffer around the project and represents the area that was investigated during the environmental assessments. The project area is largely confined to land owned by EnergyAustralia except for the primary access route on Lithgow City Council (Council) owned land and the alternative temporary accommodation camp site in Lithgow. The project area includes both the land that will be physically disturbed for the project (directly and indirectly) as well as land where no disturbance or impact will occur.
Construction envelope	The construction envelope represents the maximum extent of where disturbance may occur during the construction of the project. To derive the construction envelope, buffers have been applied around project infrastructure and work areas to provide a level of flexibility where required. Some areas have reduced buffers to indicate reduced flexibility due to environmental or design constraints to be avoided. The construction envelope for the project covers an area of around 197 hectares (ha).
Disturbance footprint	The disturbance footprint represents the physical disturbance that can be expected as part of the construction works. As the design is refined, the final siting of the disturbance footprint can move within the construction envelope, subject to the recommended environmental management measures, and provided it does not exceed any limits defined by the construction envelope or vegetation clearing thresholds. Noting that two options are presented for a temporary accommodation camp and ultimately only one will be selected and built, the disturbance footprint considering each option is: • approximately 137 ha for the project with the preferred Lakeside camp, or • approximately 146 ha for the project with a Town camp. Pre-construction and enabling work activities will form part of an early works package, and are a subset of the total disturbance needed to construct the project. The early works disturbance footprint consists of a maximum of 137 ha of the total disturbance footprint, with the preferred Lakeside camp. Refer to Section 4.3 of the EIS.
Progressive rehabilitation	Progressively, and at the end of construction, temporary components that are required to support the construction of the project will be rehabilitated and returned to a state representing its previous use. The exceptions to this are the areas required for permanent operation of the project, which would be retained (see below operational footprint). Approximately 74 ha of the disturbance footprint would be progressively rehabilitated.

Term	Definition / Description
Operational footprint	The operational footprint represents the permanent disturbance of the land following progressive rehabilitation. The operational footprint covers an area of around 47 ha. A further 16 ha of the disturbance footprint comprises external road upgrades that would be passed back to Council and does not form part of the operational footprint. This includes Magpie Hollow Road and Sir Thomas Mitchell Drive and associated intersections.

3 Methodology

The methodology adopted for the assessment of potential contamination issues associated with the project is summarised below.

- Completion of a desktop review comprising:
  - a review of available drawings/plans/reports relating to the construction envelope and surrounding land (where relevant)
  - identification of contaminated sites (if any) located within the construction envelope recorded on the NSW Environment Protection Authority (EPA) register of contaminated sites
  - identification of current or historical land uses located along or nearby the construction envelope that are likely to have caused contamination
  - a review of historic aerial photographs to assess land use changes within or in proximity to the construction envelope
  - a review of published maps of the construction envelope and surrounds to gain an understanding of surface and subsurface conditions (e.g. geology, hydrogeology, soil, acid sulfate soils and topography)
  - a search/review of information readily available through the internet (e.g. historic parish maps, NSW Office of Water [NOW] registered groundwater bore database within identified areas of concern, etc.).
- Completion of a site inspection comprising:
  - physical walk-over of the construction envelope, focusing on areas where the potential for encountering contaminated material during construction is highest based on the findings of the desktop review and the nature of the proposed works
  - documentation of inspection observations relevant to this PSI
  - photography of the general setting and features of interest.

Information about potential contamination sources was also collected through interviews with relevant personnel from EnergyAustralia relating to the project.

3.1 Information sources

A search of various databases was undertaken by Lotsearch Pty Ltd (Lotsearch) including associated maps, refer to Annexure A. A review of historical aerials was also conducted.

3.2 Conceptual site model and qualitative risk assessment

Potentially contaminated material (including use of chemicals and hydrocarbons) has the potential to adversely impact human health and ecological receptors if not managed appropriately. A conceptual site model (CSM) is used to present and assess the linkage between potential contamination sources, exposure pathways[1], and receptors. As detailed in the ASC NEPM (2013), the development of a CSM is a key component of contaminated site assessments and provides the framework for identifying how potential receptors may be exposed to contamination.

A risk is considered to be posed to a receptor when the pathway between the receptor and a contamination source is 'complete' and the contamination is present at concentrations that could have a negative impact on the health of the receptor. Where there is no or insufficient quantitative analytical data to assess whether concentrations of contamination pose a risk, a qualitative risk assessment is used.

To assess the relative risk of existing (if any) and potential contamination during project construction and operation, a qualitative risk assessment was undertaken for the construction envelope (detailed in Section 5.3.1). The methodology for the risk assessment is detailed in Table 3.1.

Table 3.1 Preliminary qualitative risk assessment methodology

Identification of areas and contaminants of concern	
Identified using the methodology outlined in Section 3.	
Likelihood of contamination to be present and likely extent of impacts	
Identified by review of information on the existing environment presented in Section 4.	
Potential migration pathways	
Construction	Operation
• Dust generation. • Excavation and disposal or disturbance (including reuse) of contaminated spoil and sediment. • Extraction and disposal or reuse of contaminated surface water and groundwater resulting from dewatering or drainage. • Migration of contaminated surface water and groundwater via preferential pathways. • Surface water migration. • Erosion of contaminated spoil. • Management of wastewater. • Spills and leaks arising from the storage, use and management of fuels, chemicals, etc.	• Migration of groundwater via preferential pathways. • Surface water erosion and sedimentation. • Storage, use and management of fuels, chemicals, etc.
Potential receptors	
Construction	Operation
• Project construction workers and visitors. • Surrounding land users such as the public, nearby residents and commercial workers. • Receiving water bodies. • Ecological receptors.	• Maintenance workers undertaking intrusive works. • Future project area users during operation such as commercial operators and recreational users. • Ecological receptors. • Receiving water bodies.

[1] An exposure pathway is the link from the source of contamination to the exposed population or environment e.g. direct contact, inhalation or ingestion by human receptors, transport in wind or groundwater migration (NEPC 1999).

Potential exposure pathways	
Construction	Operation
• Direct contact, ingestion or inhalation by human receptors and fauna. • Uptake by terrestrial and aquatic flora and intake by aquatic fauna.	• Direct contact, ingestion or inhalation by human receptors and fauna. • Uptake by terrestrial and aquatic flora and intake by aquatic fauna.

To identify the risk rating, the preliminary qualitative contamination risk assessment matrix in Table 3.2 was used. The matrix was used to assign the risk in assuming the absence of appropriate controls and mitigation measures.

Table 3.2 Preliminary qualitative contamination risk assessment matrix

Consequence	Likelihood of soil or groundwater contamination to be present				
	Rare (1) – Very unlikely at concentrations above the relevant assessment criteria and limited in extent.	**Unlikely (2) –** Potentially present at concentrations above the relevant assessment criteria and limited in extent.	**Possible (3) –** Potentially present at concentrations above the relevant assessment criteria and widespread.	**Likely (4) –** Most likely present at concentrations above the relevant assessment criteria and widespread.	**Almost certain (5) –** Known to be present at concentrations above the relevant assessment criteria and widespread.
Insignificant (1) – No or highly unlikely exposure pathway for human or ecological receptors under proposed project development.	Low 1	Low 2	Low 3	Low 4	Moderate 5
Minor (2) – Unlikely exposure pathway for human or ecological receptors under proposed project development.	Low 2	Low 4	Low 6	Moderate 8	Moderate 10
Moderate (3) – Exposure pathway for human or ecological receptors may be present and complete under proposed project development.	Low 3	Low 6	Moderate 9	Moderate 12	High 15
High (4) – Exposure pathway for human or ecological receptors likely to be present and complete under proposed project development.	Low 4	Moderate 8	Moderate 12	High 16	High 20
Significant (5) – Exposure pathway for human or ecological receptors present and are considered complete under proposed project development.	Moderate 5	Moderate 10	High 15	High 20	High 25

4 Existing environment

4.1 Construction envelope identification

Construction envelope identification details are presented in Table 4.1.

Table 4.1 Construction envelope description

Description	The construction envelope is located 5 km west of the city of Lithgow in NSW's Central West region, and comprises the following Lot and DPs: • Lot 103, DP751651 (upper reservoir, etc.). • Lot 2, 3 and 4, DP246233 (ancillary works area). • Lot 2 DP246233 (foreshore buffer area). • Lot 4 DP634322, Lot 1 and 2 DP260856, Lot 12 DP626071, Lot 382 DP618960, Lot 3 DP260856, Lot 1 DP261232, Lot 1 DP246233, Lot 11, 34, 27, 253 DP751651, Lot 15 DP626299, Lot 20 DP619350, Lot 57 DP791928, Lot 61 DP791928, Lot 3 DP263511, Lot 1 DP634323, Lot 21 DP619350, Lot 1, 2, 3, 5, 6, 7, 8, 9 DP181411 (Lake Lyell – existing reservoir footprint). • Lot 2, DP792415 (preferred accommodation camp option – Lakeside camp, Lake Lyell). • Lot 26, DP1244557 (alternative accommodation camp option – Town camp, Pottery Estate).
Location	The nearest street address to the pumped hydro location is Magpie Hollow Road, South Bowenfels NSW 2790.
Layout	Refer to Figure 2.1.
Construction envelope area	Approximately 197 ha
Construction envelope features	The following site features were observed by EMM during the inspections of the construction envelope on 10 July 2024 and 23 July 2025. Project location: • Predominantly comprises bushland areas including man-made graded vehicle access tracks owned by EnergyAustralia, with small areas of cleared land located in proximity to the lake foreshore (refer to Photographs 1 and 2, Annexure B). • The junction of Lake Lyell and Farmers Creek is located in the central portion of the construction envelope. • Powerline easement and transmission line towers running north to south across Farmers Creek arm of Lake Lyell and along the boundary of the construction envelope (refer to Photograph 3, Annexure B). Road upgrade areas: • A concrete drainage pipe was observed running in a south to north direction underneath Sir Thomas Mitchell Drive and ending on the northern side of the road. A small quantity of water could be seen at the open end of the pipe to the north and drained into the property to the north. Erosion surrounded the open pipe area with partial road collapse. • Potentially asbestos containing service pits may be present along the roadway. • Privately owned rural residential properties are located on both sides of the Sir Thomas Mitchell Drive predominantly comprising grazing land (refer to Photograph 4, Annexure B). • Privately owned low-density residential housing is located to the north of Magpie Hollow Road, the central and southern section of Magpie Hollow Road consist of privately owned rural residential properties predominantly comprising grazing land (refer to Photograph 5, Annexure B). • Low intensity agricultural land uses including four cattle stockyards and grazing cattle were observed on the northern side of Sir Thomas Mitchell Drive and along Magpie Hollow Road (refer to Photograph 18, Annexure B). • Approximately five stockpiles of material comprising a volume of approximately 10 metres cubed (m^3) each, were observed on one private property along Sir Thomas Mitchell Drive. The stockpiles appeared to primarily comprise mulch, sandstone boulders and wood (refer to Photograph 15, Annexure B).

	• A number of abandoned and rusted vehicles (approximately 11) were observed approximately 60 metres (m) down gradient of 10 Sir Thomas Mitchell Drive (refer to Photograph 17, Annexure B). No evidence of widespread leaks and spills was noted at the time of inspection. • Magpie Hollow Road intersection contains a Shell Service Station (refer to Photograph 19, Annexure B) on the northern corner with Triple 8 car wash and Fire Halo building adjacent and Donnybrook pub across the road on Great Western Highway. Lilyvale Dam: • Uneven ground potentially created using cut and fill material from the earlier construction of the dam (refer to Photograph 6, Annexure B). • Minor waste including plastic water bottles, signs and chopped wood was observed on the ground surface. Accommodation camp – Lakeside camp: • Predominantly comprises gently sloping open grazing land with some mature native trees (refer to Photograph 8, Annexure B). • Two stockpiles approximately 5 m^3 containing mainly road base and 0.3 m x 0.3 m pieces of concrete were observed on the northern side of Lockyers Line within the Lakeside camp (refer to Photograph 11, Annexure B). Accommodation camp – Town camp: • Various gravel hardstand areas and brick building footings were observed amongst the grass within the northern section of the Town camp and one area within the centre of theTown camp (refer to Photograph 20, Annexure B). • A large area to the north consists of approximately 12 stockpiles of unknown material and including two large stockpiles approximately 10 m wide by 2 m high. Surface material consisted of clay, sand, gravels and anthropogenic waste including wood, bricks, steel, boulders, concrete, plastic piping, and sediment control material (refer to Photographs 21 and 22, Annexure B). • Farm equipment, including a tractor and roller, stored on the grass within the central area of the Town camp and adjacent to the residential houses. • Uneven ground along the slope heading south into the gully possibly created using unknown fill material. Anthropogenic waste observed on the ground surface including rubber waste, old fencing materials, concrete fragments, rusted metal and wood (refer to Photograph 23, Annexure B). • Approximately two stockpiles of unknown material within the gully to the south of the Town camp. • A large area, approximately 2.2 ha directly adjacent to and intersecting south-western portion of the Town camp consisting of fill emplacement of unknown origin and ground disturbance (refer to Photograph 24, Annexure B). • State Emergency Services (SES) including trucks similar in appearance to fire trucks, located directly adjacent of the northern boundary of the Town camp (refer to Photograph 25, Annexure B). • Pottery Estate historical structures including a chimney stack and building, potentially used for storage or as a pottery kiln, located approximately 1 m away from the north-western boundary of the Town camp.
Local government area	Lithgow City Council
Land use and zoning	Currently zoned as majority SP2 Electricity Generating Works. Other zoned uses within the construction envelope include SP2: Infrastructure, RU2: Rural Landscape, RU1: Primary Production, RE1: Public Recreation, R1: General residential, MU1: Mixed use and C3: Environmental management.
Surrounding land use	SP2: Infrastructure to the west and east. RU2: Rural Landscape to the south. C1: National parks and nature reserves to the north. C3: Environmental management.

4.2 Project area history

Lake Lyell is an artificially made water storage that was created for the purpose of supplying water to the nearby Wallerawang and Mount Piper coal-fired power stations via the Lilyvale pumping station. The lake formed after the creation of the Lilyvale Dam, a 46 m high concrete-face rockfill dam situated on the Coxs River approximately 7 km south-west of Lithgow. The dam itself was constructed in 1981/82 and subsequently underwent a series of upgrades in the 1990s and early 2000s to increase the capacity of Lake Lyell and to improve the durability and safety of the dam.

Lake Lyell has been owned by EnergyAustralia since September 2013. The Wallerawang coal-fired power station was decommissioned in 2014, and as such no longer requires water from Lake Lyell. The lake is still used to supply water to the Mt Piper coal-fired power station; however, this will cease once the Mt Piper power station is retired – this is presently planned for 2040. The lake itself is a popular area for recreation, including activities such as boating, kayaking, water-skiing, swimming, camping, and fishing.

EnergyAustralia's ongoing use of water from Lake Lyell is regulated by the NSW Government in accordance with the *Greater Metropolitan Region Unregulated River Water Sources Water Sharing Plan* (2011) as per the *Water Management Act 2000* and EnergyAustralia's water access licence.

A review of previous investigations, historical aerial photographs, historical topographic maps, and other readily available information (where relevant) for the construction envelope was undertaken.

4.2.1 Previous investigations

i Mount Piper Power Station – Preliminary Environmental Site Assessment Part 1 (ERM 2013)

ERM provided a preliminary environmental site assessment (ESA) designed to evaluate potential soil and groundwater contamination issues within the Mt Piper power station area. The nature and extent of potential soil and groundwater contamination issues were assessed, including provision of potential financial liabilities and recommendations for additional works.

It was reported that during the construction of Lake Lyell dam, soil and rock materials were quarried from the adjacent hillside, and the area was revegetated. Previous investigations suggested sediments in Lake Lyell contained concentrations of heavy metals slightly above background conditions (Birch 2001). It was noted that Farmers Creek could be a recipient of contamination from upgradient sources, including impacts associated with coal mining, the use of a historic iron and steel furnace (circa 1875), refining of copper, pottery and brick works, a small arms factory, sewage treatment effluent, railway activities and vehicle traffic. Surface water and sediment inputs from the former Wallerawang power station and several coal mines into the Coxs River upstream from Lake Lyell could also potentially contribute to elevated heavy metal concentrations in Lake Lyell sediment.

It was reported that routine surface water sampling in Lake Lyell occasionally detected low concentrations of molybdenum and uranium near the base of the dam wall however it was identified to be naturally occurring in local igneous rocks used in the construction of the dam wall.

The report noted that further investigation was required to evaluate sediment concentrations in Lake Lyell.

ii Project Symphony Mount Piper – Stage 2 Environmental Site Assessment (ERM 2014)

ERM conducted a phase 2 ESA at Mt Piper power station with the objective to assess soil, sediment, surface water and groundwater conditions. A total of seven sediment and surface water samples were collected from Lake Lyell (four locations) and Thompsons Creek Reservoir (three locations). Lake Lyell sediments generally comprised clay with a trace of some silt. Sediments were analysed for grain size and surface water and sediments were analysed for phenols, total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs) and metals.

Contaminants of potential concern (CoPC) in sediment samples were below the adopted guidelines except for metals which were above the laboratory limit of reporting (LOR). Concentrations were below the adopted screening criteria except for copper, nickel and zinc concentrations at one location (MM_SS21) in Lake Lyell which exceeded the interim sediment quality guidelines (ISQG)-Low criteria; however, all concentrations were below the ISQG-High. TRH concentrations in MM_SS21 marginally exceeded the adopted screening criteria (590 milligrams per kilogram (mg/kg)); however, the exceedance was not considered significant.

Copper concentrations exceeded the adopted ecological screening criteria in surface water samples collected from Lake Lyell. It was not determined if the concentrations were attributed to natural variability or a localised point source; however, the report concluded that the detected copper concentrations in surface water was likely to be representative of background conditions.

iii Lake Lyell PHES Geotechnical Investigation Program – Factual Report (GHD 2024)

GHD was engaged to undertake a geotechnical investigation within the proposed project area. As part of the investigation, eight boreholes were advanced including completion of geophysical logging and verticality surveys. The boreholes were conducted within the area of Mount Walker that was proposed for development at the time of the investigation. Borehole locations BH101 to BH103 were in the proposed upper reservoir, BH104 was located in the proposed powerhouse area, BH105 in the proposed shaft area, BH106 in the proposed tailrace and BH107 to BH108 in the areas of the proposed intake. The investigations included stress and permeability testing, geotechnical and geochemical laboratory testing and two groundwater monitoring standpipes. Analytes included in the laboratory were chloride, sulphate, pH, electrical conductivity (EC), total carbon, chromium reducible sulphur, metals (21), and acid sulfate soils (ASS).

The following soil samples were submitted for laboratory testing:

- BH101: depth ranges 18–18.5 m, 34.41–35 m and 50–50.63 m.
- BH102: depth ranges 2.50–3 m, 18.45–19 m and 35.42–36 m.
- BH103: depth ranges 19.49–20 m, 22–22.52 m and 40–40.52 m.

Reported analytical results indicated concentrations of arsenic, chromium, copper, lead, nickel and zinc were below the adopted Health Investigation Levels (HILs) for recreational and D commercial/industrial land use at the locations sampled. Final net acid generation (NAG) results were >4.5 pH.

The following groundwater samples were submitted for laboratory testing:

- LLPH Groundwater Bore_BH103:
    - Arsenic, copper, lead, nickel and zinc were reported to have concentrations below the Australian Drinking Water Guidelines (ADWG) 2022 health guidelines and the Australian and New Zealand Guidelines (ANZG) freshwater toxicant default guideline values (DGVs) light organic solvent preservative (LOSP) 95% except for copper (0.002 milligrams per litre (mg/L)) which was marginally above the ANZG freshwater toxicant DGVs (0.0014 mg/L).

iv Lake Lyell PHES Interim Phase 2 Geotechnical Investigation Program – Factual Report (GHD 2024)

GHD conducted an additional geotechnical investigation as the proposed development location during phase 1 for the proposed upper reservoir had been revised, and additional geotechnical data within the newly proposed site was required. A groundwater investigation was also conducted to collect background groundwater monitoring data. The additional investigation scope comprised completion of four inclined boreholes and installation of 13 groundwater monitoring wells within the newly proposed site. Laboratory analysis comprised chloride, sulphate, pH, EC, total carbon, chromium reducible sulphur (CRS), metals (21), TRH and ASS.

The following soil samples were submitted for laboratory testing:

- BH201: depth ranges 3.57–3.65 m, 33.38–33.46 m, 78.15–78.20 m and 102.72–102.80 m.
- BH202: depth ranges 7–7.10 m, 45.40–45.48 m, and 56.95–57.04 m.
- BH203: depth ranges 0.00–3.30 m and 39.50–40 m.
- BH204: depth range 217.12–217.22 m.

Concentrations of arsenic, chromium, copper, lead, nickel and zinc were reported to have concentrations below the adopted HIL C recreational and HIL D commercial/industrial criteria.

Final NAG results were >4.5 pH, except for BH202: depth range 45.40–45.48 m (2.6 pH) and 56.95–57.04 m (4.3 pH) which was below pH 4.5.

The following groundwater samples located in the western abutment of the upper reservoir were submitted for laboratory testing:

- MB2204A_Cleaning_240222 and MB2204A_PW01:
    - Arsenic, copper, lead, nickel and zinc were reported to have concentrations below the ADWG 2022 health guidelines and the ANZG freshwater toxicant DGVs LOSP 95%.
    - TRH concentrations of >C16–C34 Fraction was detected in MB2204A_Cleaning_240222 (550 micrograms per litre (µg/L)) and MB2204A_PW01 (630 µg/L).

Seven sediment samples, tested for sediment mobility only, were collected at two locations on the banks of Farmers Creek and within Lake Lyell at the junction with Farmers Creek.

v Historical groundwater data collected by EnergyAustralia (2023–2024)

Groundwater monitoring data was collected from ten monitoring wells located within the construction envelope (BH103, BH107, BH106A, BH201, MB2202A, MB2204A, MB2204B, MB2205A, MB2205B, MB2206A, MB2206B, MB2201A, MB2203A). Data was collected monthly from January 2023 to February 2024 and is ongoing. Most of the monitoring wells reported concentrations of nickel above the ADWG 2022 Health (0.02 mg/L) and the ANZG Freshwater DGVs LOSP 99% guidelines (0.008 mg/L). The highest concentration was reported in BH2205A (0.101 mg/L) in March 2024 which is located to the south-west of the construction envelope. Concentrations of zinc in most of the monitoring wells were reported to be above the NEPM 2013 Table 1C Groundwater Investigation Levels (GILs), Fresh Water (0.008 mg/L) and the ANZG Freshwater Toxicant DGVs LOSP 99% (0.008 mg/L) guidelines. The highest concentration of zinc was also reported in BH2205A (0.035 mg/L).

vi Protection of the Environment Operations (Waste) Regulation 2005 – Specific Exemption Under Part 6, Clause 51 and 51A (EPA 2015)

The EPA granted Lot 702 DP 1150747, the former lot number for the Pottery Estate, a resource recovery exemption known as "The Woodford to Hazelbrook excavated natural material exemption 2014" in 2015. This exemption permits the stockpiling and land application at the abovementioned property of excavated natural material generated from the construction of the Woodford to Hazelbrook road upgrade. An extension to this approval states the stockpile area was approximately 5,000 m^3. It was stated that the material was to be used for future works.

vii Development approval – DA048/14: Earthworks off Silcock Street, Lot 702 DP1150747 – Hasson Walls Road, Lithgow NSW 2790 (Lithgow City Council 2015)

A Development Approval (DA) was given to Ceedive Pty Ltd for earthworks adjacent to Silcock Street at Lot 702 DP1150747 in 2015. Consent was granted, subject to conditions. Documents regarding sediment control plans and proposed works suggest an area near Silcock Street and within the Pottery Estate.

viii Pottery Estate Lithgow – Statement of heritage impact (High Ground Consulting 2020)

High Ground Consulting prepared a statement of heritage impact report for a new Development Control Plan (DCP) for the Pottery Estate, Lithgow in 2020. A coal mine was first opened in 1872 by the Lithgow Valley Colliery Company as a drift mine on the southern side of the valley at the head of Sheedy's Gully. The mine produced approximately 11,300 tonnes (t) of coal by 1876. The coal seams were overlain by clay and shale which were ultimately used to make bricks. The Lithgow Valley Pottery & Brick Works was developed as an adjunct to the mine and is listed on the NSW State Heritage Register. The Pottery & Brick Works was created in 1879 and closed in 1946. There has been a great deal of disturbance including demolished buildings and earthworks since the Pottery & Brick Works were operational, however two small areas contain brickwork and other industrial remains. In the early 1990s, remediation of the quarry area was carried out and involved the filling of most of the abandoned quarry located to the east of the Pottery Estate. It was reported that fill was brought in from elsewhere to complete the task.

Considerable disturbance has occurred since 1946 including demolition works, earthmoving and dumping. The Engineer's shed, old Blacksmith's workshop and three chimney stacks were demolished first and since the mid twentieth century, most other structures were demolished. The powder magazine was collapsed and backfilled last. The only remaining structures were the Pottery Store, chimney stack, clay store, water tank and the former Colliery Office and Manager's Residence. It was considered possible that building footings remain beneath the Town camp surface. In more recent years, mounds of earth have been stockpiled across the centre of the Town camp with some of the material observed by High Ground Consulting, originating from the Town camp itself and other material consists of imported fill.

A separate area of State significance heritage is the former Lithgow Valley Colliery Quoits Field, located near the western end of the Town camp. It consisted of six concrete rendered brick platforms, each with a small pit filled with clay in order to hold the quoits in the position they land. Each clay pit was lined with old railway sleepers.

ix Development approval – DA048/14: Modification of consent MOD028/20, Earthworks off Silcock Street, Lot 26 DP1244557 – Willowbank Avenue, Lithgow NSW 2790 (Lithgow City Council 2020)

An amendment to the original DA that was given to Ceedive Pty Ltd for earthworks off Silcock Street at Lot 702 DP1150747 in 2015, was changed to Lot 26 DP1244557.

Condition 1 was amended to include the placement of fill material:

- the volume was not to exceed 12,000 t
- the maximum height of fill material was not to exceed 3.5 m
- batters of 1 in 3 were to be implemented on all sides of the fill material.

Condition 3 was amended so that no more than eight truck movements per day was authorised and the duration of works and route of travel from the Walker Quarries to the Town camp was to be submitted to Council.

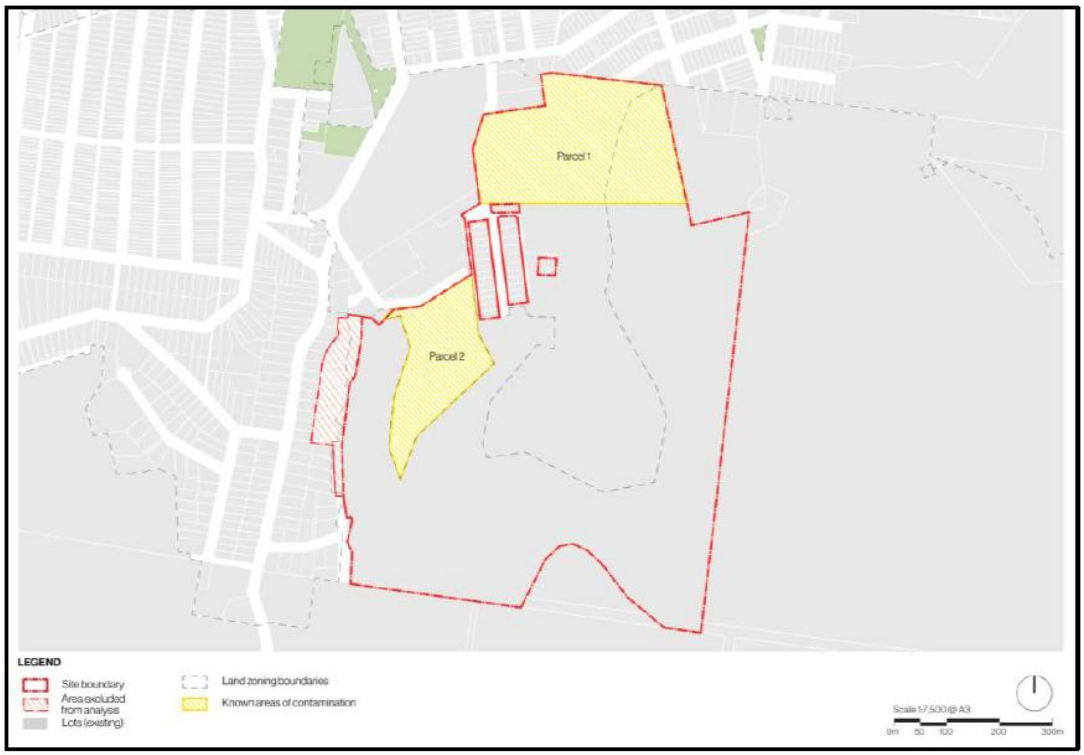
x Ecological constraints assessment report (Narla Environmental 2021)

Narla Environmental Pty Ltd (Narla) prepared a ground-truthed ecological constraints assessment (ECA) for development potential at the Pottery Estate. Threatened flora species were identified on or within a 10 km radius of the Pottery Estate which include Box-leaf waxflower, Silver-leafed Gum, Geebung, and Speedwell. Threatened fauna species were identified including Gang-gang cockatoo and Purple copper butterfly. It was recommended to minimise the removal of native trees, especially hollow-bearing trees.

xi Development control plan 2021: Chapter 9, Pottery Estate Precinct (Lithgow City Council 2021)

Chapter 9 of the Lithgow DCP provides site specific controls that apply to the Pottery Estate. It was reported within the contaminated land section of the chapter that the Town camp was used as a Pottery Estate from 1879 until 1907. Considering the historical industrial land use, it is possible that varying levels of contamination were present throughout the Town camp. Two areas of known contamination were highlighted as being located to the north of the Town camp and one to the west of the Town camp, directly west of the residential housing area (refer to Figure 4.1). EMM notes that Council does not state the nature of the contamination within these two areas. Other areas of contamination may also exist within the Town camp, and it is understood that some areas have undergone partial remediation; however, the details are not stated.

The DCP states that all proposed subdivisions or developments within the Pottery Estate must assess potential site contamination and undertake any required remediation to ensure the land is suitable for its intended use. The northern precinct is underlain by state-listed heritage archaeological relics, which may pose constraints on site remediation activities and influence future development potential.



Source: Lithgow City Council (2021)

Figure 4.1 Pottery Estate local contamination map

4.2.2 Historical imagery review

A review of historical aerial imagery for the period of 1931 to 2025 provided insight into historical and current land uses, as described in Table 4.2. The historical imagery is provided in Annexure A.

Table 4.2 Historical imagery review

Year / Image type	Construction envelope	Surrounding area
1931 aerial imagery, black and white	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The pumped hydro location consists of undisturbed bushland with Farmers Creek transecting the southern area. Both Sir Thomas Mitchell Drive and Magpie Hollow Road appear to be unsealed dirt roads directly surrounded by cleared grazing land. The south-western end of Magpie Hollow Road diverts to the west through the Lakeside camp. To the south-west is undisturbed bushland including the Lilyvale Dam area. Coxs River transects the southern end of Magpie Hollow Road. Accommodation camp – Lakeside camp: • The area consists of grazing land with a creek present to the north of the area. Lockyers Line is present as a continuation of Magpie Hollow Road. Accommodation camp – Town camp: • The aerial image is poor quality, restricting review. The Town camp appears to be mostly disturbed ground particularly in the north-eastern area and the south-west. It is undetermined whether buildings exist on-site; however, there is a potential for a building to be present in the north-western area. The south-eastern section has a large area of cropping or market garden patterns present.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The surrounding areas appear to be bushland and cleared grazing land. To the north of Magpie Hollow Road, the land appears to be agricultural land possibly used for cropping. The southern end of Magpie Hollow Road transects the Lakeside camp and into the area where Lake Lyell should be. The eastern areas contain rural properties and cropping land. One rural property is present to the east of the Lilyvale Dam area. Farmers Creek and Coxs River are present. Lake Lyell has not been constructed at this time. Accommodation camp – Lakeside camp: • The surrounding area consists of grazing land and a small intermittent tributary of Coxs River to the west of the Lakeside camp. Accommodation camp – Town camp: • To the south and south-east of the Town camp is bushland. To the north is medium-density residential housing blocks. A park is present to the north-west and the west and south-west appears to be disturbed ground with sparse vegetation present.

Year / Image type	Construction envelope	Surrounding area
1950–1954 aerial imagery, black and white	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The 1954 aerial image is generally consistent with the previous (1931) image. Accommodation camp – Lakeside camp: • The 1954 aerial image is generally consistent with the previous (1931) image. Accommodation camp – Town camp: • The 1950 aerial image indicates the north-eastern area and south-west remain disturbed land. Two buildings are now identifiable within the north-western area of the Town camp. Two rectangles of disturbed ground are located along the western boundary within the Town camp. The cropping or market garden patterns appear to no longer be present to the south-west and grassland with sparse vegetation is now present.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The 1954 aerial image indicates that the pumped hydro location is generally consistent with the previous (1931) image. South of Sir Thomas Mitchell Drive is mainly grazing land and a small residential development adjacent to the road. Further construction activity is occurring to the north of the Sir Thomas Mitchell Drive. An area south of the and Magpie Hollow Road has been cleared and used as cropping land. Accommodation camp – Lakeside camp: • The 1954 aerial image is generally consistent with the previous (1931) image. Accommodation camp – Town camp: • The 1950 aerial image indicates that the surrounding area is generally consistent with the previous (1931) image. It is now clear that a low-density residential block is present adjacent to the west of the Town camp. Three more separate buildings are present adjacent to the western boundary and three structures resembling the appearance of above ground storage tanks (ASTs) are discernible adjacent to the northern boundary. Approximately 100 m west of the boundary, six more properties are located. Hassans Walls Road is present to the far west followed by residential properties.
1961–1966 aerial imagery, black and white	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The 1966 aerial image is generally consistent with the previous (1954) aerial image, with three small pockets of disturbed ground in the middle of the pumped hydro location. Accommodation camp – Lakeside camp: • The 1966 aerial image is generally consistent with the previous (1954) aerial image. Accommodation camp – Town camp: • The 1961 aerial image indicates the southern area is mainly grassland with sparse vegetation and one building within the south-western area. A building is now present within the central area of the Town camp. The ground surface within the north-eastern area appears to remain disturbed, however, grass now appears to be growing in some areas.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The 1966 aerial image is generally consistent with the previous (1954) aerial image, with large areas of bushland cleared to the north and south of Sir Thomas Mitchell Drive and two new properties now present north of the road. Large areas of land to the south of Magpie Hollow Road have also been cleared of bushland. The agricultural land to the south of Lakeside camp is no longer being used as cropping land. Accommodation camp – Lakeside camp: • The 1966 aerial image is generally consistent with the previous (1954) aerial image. Accommodation camp – Town camp: • The 1961 aerial image indicates the southern bushland area also contains seven rural properties. More buildings are now present within the northern residential area. At least two more properties are identifiable to the west of the Town camp. The three potential ASTs adjacent to the northern boundary have been removed. The park to the north-west has expanded.

Year / Image type	Construction envelope	Surrounding area
1968–1975 aerial imagery, black and white	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The 1975 aerial image is generally consistent with the previous (1966) aerial image, with the three small pockets of disturbed ground in the middle of the pumped hydro location no longer present. Less vegetation exists within the southern end of Magpie Hollow Road and the Lilyvale Dam area. Accommodation camp – Lakeside camp: • The 1975 aerial image is generally consistent with the previous (1954) aerial image, with an area of inundation located to the north of the area. Accommodation camp – Town camp: • The 1968 aerial image is generally consistent with the previous (1951) image. Earthworks appear to be occurring within the north-eastern area of the Town camp. • The 1975 aerial image is generally consistent with the previous (1968) image, with grassland to the south and disturbed earth to the north; however, increased grass covering has occurred within the northern section of the Town camp. One of the buildings in the north has been demolished along with the building within the central area of the Town camp.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The 1975 aerial image indicates the pumped hydro location is generally consistent with the previous (1966) aerial image. On the western end of Sir Thomas Mitchell Drive a large area of disturbed ground is discernible and new unsealed tracks present to the north of the road. Development has increased to the east either side of Magpie Hollow Road. Small tracks are now located within the Lilyvale Dam area. Accommodation camp – Lakeside camp: • The 1975 aerial image is generally consistent with the previous (1954) aerial image. Accommodation camp – Town camp: • The 1968 aerial image is generally consistent with the previous (1961) aerial image. A building to the west has been demolished and two new buildings are present south of the park area. The industrial complex directly west of the Town camp appears to be stockpiling soil and conducting earthworks. Two circular damns are now present to the north-east of the Town camp. • The 1975 aerial image indicates more soil stockpiling has occurred to the west of the Town camp and a pipeline with unknown purpose extending from the soil stockpile. Small buildings adjacent to the park in the north-west have been demolished.
1984 aerial imagery, black and white	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Lake Lyell is now present following the creation of Lilyvale Dam which is located to the south. Associated infrastructure relating to the dam is also present. Farmers Creek appears partially inundated due to water level rise associated with the dam. Magpie Hollow Road now continues south past Lilyvale Dam. Accommodation camp – Lakeside camp: • Generally consistent with the previous (1975) aerial image, with Lake Lyell now present within the northern tip of the Lakeside camp. Accommodation camp – Town camp: • Generally consistent with the previous (1975) image. A building has been demolished to the north of the Town camp and the north-east appears to be used for storage of unknown items. Trees are located within the central area and two structures which resemble ASTs are located adjacent to the north-eastern side of this vegetated area.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • More roads are now identifiable to the north and south of Sir Thomas Mitchell Drive leading to rural properties. More rural properties are discernible along the northern section of Magpie Hollow Road. The rural properties to the northern are now being used as grazing land rather than cropping. Accommodation camp – Lakeside camp: • Generally consistent with the previous (1975) aerial image, with Lake Lyell now present to the west of the Lakeside camp. Accommodation camp – Town camp: • A track appears to have been created that extends south into the bushland area. The industrial complex that was stockpiling soil has been demolished and a new large building with a carpark area (currently known as Coles supermarket) is now present. Two new large buildings are now identifiable adjacent to the northern boundary of the Town camp.

Year / Image type	Construction envelope	Surrounding area
1989 aerial imagery, black and white	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (1984) aerial image, with sand bars identifiable within Farmers Creek near the convergence of the lake. Accommodation camp – Lakeside camp: • Generally consistent with the previous (1984) aerial image. Accommodation camp – Town camp: • No historical aerial image was available for review for the Town camp.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (1984) aerial image, with a new dam identifiable to the north of Sir Thomas Mitchell Drive. A large area south of the Lakeside camp has been cleared and appears to be under construction. Accommodation camp – Lakeside camp: • Generally consistent with the previous (1984) aerial image. Accommodation camp – Town camp: • No historical aerial image was available for review for the Town camp.
1991 aerial imagery, colour	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (1989) aerial image. Image not available for review for Magpie Hollow Road and Lilyvale Dam areas. Accommodation camp – Lakeside camp: • Image not available for review for the Lakeside camp. Accommodation camp – Town camp: • Generally consistent with the previous (1984) aerial image, with the northern area no longer used for stockpiling and appears to have been filled. A road now extends into the Town camp from the north-west. Two roads also traverse the Town camp in the south-west.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (1989) aerial image. Image not available for review for Magpie Hollow Road and Lilyvale Dam areas. Accommodation camp – Lakeside camp: • Image not available for review for the Lakeside camp. Accommodation camp – Town camp: • A large area directly south-west has been disturbed and potentially used as a stockpile area. The small dam to the north-east has been removed and the large dam is now covered. Two small buildings adjacent to the western boundary have been demolished.
1999 aerial imagery, colour	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (1991 and 1989) aerial images. The areas of sand bars within Farmers Creek have been inundated with lake water. Accommodation camp – Lakeside camp: • Generally consistent with the previous (1989) aerial image. Accommodation camp – Town camp: • No historical aerial image was available for review for the Town camp.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (1991 and 1989) aerial images. Two new rural properties are identifiable to the south of Sir Thomas Mitchell Drive and two new rural properties are present to the north of the road. A rural property is now present within the disturbed land to the south of the Lakeside camp. Development has occurred to the north of Magpie Hollow Road including an area of low-density residential housing. An industrial complex is being developed to the north of the residential area. Accommodation camp – Lakeside camp: • Generally consistent with the previous (1989) aerial image. Accommodation camp – Town camp: • No historical aerial image was available for review for the Town camp.

Year / Image type	Construction envelope	Surrounding area
2002–2006 aerial imagery, colour	Pumped hydro location, road upgrade areas and Lilyvale Dam: • In the 2006 aerial image water levels have declined in the Farmers Creek arm of Lake Lyell and within the lake itself. Sir Thomas Mitchell Drive and Magpie Hollow Road are now sealed roads. Accommodation camp – Lakeside camp: • In the 2006 aerial image water levels are lower within Lake Lyell to the north-west. Tracks have been created to the north of the Lakeside camp. Accommodation camp – Town camp: • The 2002 aerial image is generally consistent with the previous (1991) image, with the north-eastern area now level with grass growing in areas. The road extending to the Town camp from the north-west has been removed and Silcock Street is now present.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • In the 2006 aerial image approximately eleven rural properties are discernible to the north and south of Sir Thomas Mitchell Drive. New driveways and manmade farm dams are identifiable within the properties. The rural property to the south of Lakeside camp has increased in size with new buildings present. The low-density residential area to the north has increased in size. Two new residential areas are being developed, one directly north of Magpie Hollow Road and another further north. Accommodation camp – Lakeside camp: • The 2006 aerial image is generally consistent with the previous (1999) aerial image. Accommodation camp – Town camp: • In the 2002 aerial image the disturbed area to the south-west is no longer present and consists of grassland. The large building complex to the west of the Town camp has expanded further south (building currently known as Target). Three properties to the west have been demolished. A new complex (currently known as Aldi) is now located south of the larger building complex. A building within the residential area adjacent to the western boundary has been demolished.
2014 aerial imagery, colour	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Water levels have increased, flooding Farmers Creek arm of Lake Lyell and raising the lake water levels. All other areas are generally consistent with previous (2006) aerial image. Accommodation camp – Lakeside camp: • Generally consistent with previous (2006) aerial image. Lake Lyell is present within the north-western area of the Lakeside camp. Accommodation camp – Town camp: • The Town camp has been completely cleared of most vegetation and the one house within the south-west of the Town camp has been demolished.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with previous (2006) aerial image. The low-density residential blocks have increased in size to the north-east of Magpie Hollow Road and new patches of disturbed land can be discerned. Accommodation camp – Lakeside camp: • Generally consistent with the previous (2006) aerial image. Accommodation camp – Town camp: • A large area to the far south-west has been cleared and earthworks is occurring. The new complex to the west has expanded (currently known as Repco Auto Parts) and includes a carpark area. Valley Drive is also present. Three new buildings are identifiable within the residential area directly west of the Town camp. New large buildings south of the park and adjacent to Lithgow Street are present.

Year / Image type	Construction envelope	Surrounding area
2019 aerial imagery, colour (Google Earth Pro)	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (2014) aerial image. Accommodation camp – Lakeside camp: • Generally consistent with the previous (2014) aerial image, with a small stockpile adjacent to Lockyers Line. Accommodation camp – Town camp: • Earthworks are apparent to the north of the Town camp. Unsealed roads and ground disturbance is identifiable within the south-western area of the Town camp.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • The pumped hydro location is generally consistent with the previous (2014) aerial image. A property south of Sir Thomas Mitchell Drive has a large area of disturbed ground present. More development has occurred within the low-density residential blocks surrounding the northern area of Magpie Hollow Road. Accommodation camp – Lakeside camp: • Generally consistent with the previous (2014) aerial image. The area directly west of the Lakeside camp now has two unsealed roads that converge at the lake front and the campground. Accommodation camp – Town camp: • A large area of disturbed land is discernible adjacent to the building (currently known as Aldi). Unsealed roads traverse the disturbed area. Three buildings are now present within the cleared area to the south-west of the Town camp.
2020 aerial imagery, colour (Google Earth Pro)	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (2019) aerial image. The Lilyvale Dam area is not available to review in 2020. Accommodation camp – Lakeside camp: • Generally consistent with the previous (2019) aerial image. Accommodation camp – Town camp: • Generally consistent with previous (2019) aerial image, with soil stockpiling occurring within the north of the Town camp. The area to the south-west of the Town camp is being used for storage.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (2019) aerial image. The Lilyvale Dam area is not available to review in 2020. Accommodation camp – Lakeside camp: • Generally consistent with the previous (2019) aerial image. Accommodation camp – Town camp: • The area adjacent to Aldi is being used for stockpiling and storage. A small sediment pond is located within the north-western corner of this area. One more residential house is now present south-west of the Town camp.
2025 aerial imagery, colour	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (2020) aerial image with two new unsealed roads transecting the pumped hydro area. Accommodation camp – Lakeside camp: • Generally consistent with the previous (2020) aerial image. Accommodation camp – Town camp: • The main area of the Town camp consists mainly of grassland with sparse vegetation. Disturbed ground is identifiable within the south-western area. Soil stockpiles are discernible within the north-eastern area of the Town camp.	Pumped hydro location, road upgrade areas and Lilyvale Dam: • Generally consistent with the previous (2020) aerial image. The low-density residential housing area to the north-east of Magpie Hollow Road has increased in size and is expanding further north. Accommodation camp – Lakeside camp: • Generally consistent with the previous (2020) aerial image. Accommodation camp – Town camp: • The disturbed area to the south-west now consists of medium-density residential housing. Six new houses are now present within the residential area adjacent to the Town camp.

4.2.3 Review of historical maps

Three historical maps have been reviewed and summarised in Table 4.3. The maps are displayed in Annexure A.

Table 4.3 Historical maps review

Year / Image type	Site	Surrounding area
1935 historical map	Pumped hydro location, road upgrade areas, Lakeside camp and Lilyvale Dam: • The pumped hydro location is indicated to have steep terrain and located within the Mount Walker area. Farmers Creek transects the southern area of the pumped hydro location. Sir Thomas Mitchell Drive and Magpie Hollow Drive are present on the map however Magpie Hollow Drive veers off to the west transecting the Lakeside camp. Accommodation camp – Town camp: • No map for 1935 was provided of the Town camp location for review.	Pumped hydro location, road upgrade areas, Lakeside camp and Lilyvale Dam: • Coxs River is to the north-west and a quarry is located to the north-east of the pumped hydro location. Magpie Hollow Drive veers off to the west and transects the Lakeside camp, crossing Coxs River at Lyell's Crossing labelled on the map as a ford. Old Bowenfels and South Bowenfels are located on the east. Lawson and Wentworth sugar loaf is located to the south along with Mount Blaxland. Accommodation camp – Town camp: • No map for 1935 was provided of the Town camp location for review.
1972 topographic map	Pumped hydro location, road upgrade areas, Lakeside camp and Lilyvale Dam: • No information for the pumped hydro location was provided on the 1972 map. Sir Thomas Mitchell Drive appears to have a slightly different alignment to the current road. Magpie Hollow Road veers off and transects the Lakeside camp to the west. Coxs River transects the southern end of Magpie Hollow Road. Collits Swamp Creek flows through the northern section of the Lakeside camp. Accommodation camp – Town camp: • No map for 1972 was provided of the Town camp location for review.	Pumped hydro location, road upgrade areas, Lakeside camp and Lilyvale Dam: • Farmers Creek is present to the north of Sir Thomas Mitchell Drive. Two houses are present north of Sir Thomas Mitchell Drive within Lambies Hill. Six houses are located adjacent to the northern section of Magpie Hollow Road. South of this area is Bowens Creek, a cemetery and a landing ground. Lawsons and Wentworths sugar loaf is within the south along with Mount Blaxland. Accommodation camp – Town camp: • No map for 1972 was provided of the Town camp location for review.
1973 topographic map	Pumped hydro location, road upgrade areas, Lakeside camp and Lilyvale Dam: • No information was provided for the road upgrade areas, Lakeside camp or Lilyvale Dam in the 1973 map. The pumped hydro location is indicated to have steep terrain with Farmers Creek transecting the southern end of the area. Accommodation camp – Town camp: • Four buildings are present within the Town camp. A road transects the south-western end of the Town camp and a creek line flows from east to west through the southern end of the Town camp.	Pumped hydro location, road upgrade areas, Lakeside camp and Lilyvale Dam: • No information was provided for the road upgrade areas, Lakeside camp or Lilyvale Dam in the 1973 map. The Coxs River transects the north-western area of the map. Accommodation camp – Town camp: • A total of eleven houses are located within close proximity to the Town camp on the south and east. Aerial and Bracey lookouts are located to the east of the Town camp. Residential blocks are to the north and west with a railway line further north of the Town camp. Cooerwull Ovals is located to the north-west and further north-west is Lithgow rubbish tip.

4.3 Database search results

A review of publicly available data is summarised in Table 4.4 with search results provided in Annexure B together with accompanying mapping.

Table 4.4 Summary of the environmental setting

Aspect	Summary details
Geology and soils	
Soil and geology	Geology expected to underly the majority of the pumped hydro location is characterised by two different units. Rydal Formation of the Frasnian and Tournaisian age to the west and Gibbons Creek Sandstone is to the east. The Department of Primary Industries and Regional Development 2024 identifies the presence of Hartley Granodiorite underlying the Sir Thomas Mitchell Drive, the central section of Magpie Hollow Road and the Lakeside camp. Granodiorite is an intrusive igneous rock similar to granite which is known to contain concentrations of naturally occurring uranium and other radionuclides. However, most of Sir Thomas Mitchell Drive and the southern section of Magpie Hollow Road including the Lilyvale Dam is expected to consist of Lett Granite from the Visean and Moscovian age. The eastern area of the road is expected to consist of Berry Siltstone from the Roadian to Wardian age. The northern section of Magpie Hollow Drive is expected to consist of Berry Siltstone of the Roadian to Wordian age. The Town camp geology is expected to be Illawarra Coal Measures – Cullen Bullen Subgroup, Charbon Subgroup and Wellerawang Subgroup of the Lopingian age. The Atlas of Australian Soils classifies the majority of soil landscape within the pumped hydro location is kandosols which overlays hilly to steep and rugged country with some flat to undulating areas. The southern and eastern soil landscape of the pumped hydro location, all of Sir Thomas Mitchell Drive and Magpie Hollow Road, the Lakeside camp and the Town camp are expected to be sodosols which overlays ridge and slope country or dissected plateaus. Limited soil sampling within the Town camp occurred on the 24 July 2025 conducted by Minesoils Pty Ltd. Two locations were sampled from a depth range of 0–10 m below ground level (bgl) and 15–25 m bgl. Gravel, fine to coarse sand, silt and clay were identified in all samples. Soil pH ranged from 5.82–8.60 and soil EC ranged from 0.022–0.114 decisiemens per metre (dS/m). The colour ranged from brown to black. Nutrients and cadions were analysed. No data from drill logs was available for the pumped hydro location, Sir Thomas Mitchell Drive, Lakeside camp or Lilyvale Dam. Data from drill logs approximately 80 m north-east of Magpie Hollow Road reported topsoil to 0.61 m, clay from 0.61–3.05 m, decomposed granite from 3.05–16.77 m followed by water supply granite from 16.77–51.83 m. Four drill logs were available for the Town camp located within the north-western section of the Town camp. The logs stated there is fine silty sand or sandy clay to 1.00 m, silty clay or silty sand from 1.00–1.40 m and sandstone or weathered sandstone from 1.40–2.90 m.
Topography	The pumped hydro location elevation ranges from approximately 840–1,140 metres Australian Height Datum (m AHD). Sir Thomas Mitchell Drive elevation ranges from approximately 840–970 m AHD. Magpie Hollow Road elevation ranges from approximately 790–950 m AHD. Lilyvale Dam elevation is approximately 790 m AHD. Lakeside camp elevation ranges from approximately 780–850 m AHD and the Town camp elevation ranges from approximately 930–950 m AHD.
Acid sulfate soils (ASS)	The Atlas of Australian Acid Sulfate Soils categorises the majority of the pumped hydro location as having an extremely low probability of occurrence (1–5% chance with occurrences in small, localised areas) with a small area to the south categorised as low probability of occurrence (6–70% chance). Sir Thomas Mitchell Drive, Lakeside camp, Town camp, Lilyvale Dam and the majority of Magpie Hollow Road were categorised as having an extremely low probability of occurrence. A small section of Magpie Hollow Road just north of Lilyvale Dam was categorised as having a high probability of occurrence (>70% chance of occurrence). The Environmental Planning Instrument contains no information regarding ASS in relation to the construction envelope.

Aspect	Summary details
Salinity	There is no hazard or risk of dryland salinity for the construction envelope according to National Assessment database.
Naturally occurring asbestos	There is no naturally occurring asbestos potential for the construction envelope according to NSW Department of Industry Resources and Energy.
Hydrology and hydrogeology	
Surface water features	Lake Lyell and Farmers Creek are both partially located within the construction envelope boundary. Coxs River is located within the Lilyvale Dam site.
Aquifer	The construction envelope features fractured or fissured, extensive aquifers of low to moderate productivity.
Groundwater boreholes	A total of 26 registered groundwater bores are present in the surrounding area of Sir Thomas Mitchell Drive and the northern end of Magpie Hollow Road and are used for irrigation, water supply, commercial and industrial, monitoring, stock and domestic and unknown purposes. Four registered groundwater bores are located within the northern end of the Town camp and are used for monitoring purposes. The standing water level (SWL) ranges from 1.30–3.60 m bgl. A total of 49 registered groundwater bores are located in the surrounding area of the Town camp and are used for monitoring, water supply, other, and exploration purposes.
Groundwater dependant ecosystems (GDE)	The majority of the pumped hydro location is considered a low potential area for terrestrial GDEs in regional studies with a small area within Farmers Creek considered a high potential area for terrestrial GDEs. Small pockets of land are considered as moderate potential area for terrestrial GDE in regional studies. The majority of Sir Thomas Mitchell Drive, Magpie Hollow Road, Lakeside camp and Lilyvale Dam have unknown GDE potential; however, small pockets of low potential and moderate potential areas for terrestrial GDEs are present. The majority of the Town camp has unknown GDE potential however small pockets of low potential for terrestrial GDEs exist within the bushland areas to the south and east of the Town camp. High potential for aquatic GDEs was identified within Coxs River near Lilyvale Dam. A moderate potential for aquatic GDEs was located 16 m south also within Coxs River. An area 360 m south-west of the pumped hydro location and is considered to be high potential area for GDE in regional studies.
Ecology and natural hazards	
Sensitive receptors	Lake Lyell is located within the construction envelope and Farmers Creek runs through the south of the pumped hydro location. Marrangaroo National Park is located to the north of the pumped hydro location and on the northern tip is a freshwater wetland area (Newnes Plateau Swamp).
Wetlands	Newnes Plateau Swamp is located on the northern tip of the pumped hydro location. Central and Southern Tableland River Oak Forest (Forested wetlands) are location 517 m south-east of Magpie Hollow Road. No Ramsar Wetlands are located within a 1 km radius of the construction envelope.
Inflow dependent ecosystems (IDEs)	The north of the pumped hydro location is considered as a very high likelihood for terrestrial IDEs to exist. The southern area of the pumped hydro location and Sir Thomas Mitchell Drive is considered to have areas of high likelihood for terrestrial IDEs to exist. The majority of Magpie Hollow Road, Lakeside camp and Lilyvale Dam have unknown likelihood for terrestrial IDEs. The majority of the Town camp has an unknown likelihood for terrestrial IDEs however small areas to the south of the Town camp within the bushland are considered to be very high potential for IDEs to exist. It was reported that no aquatic IDEs have the potential to exist within the construction envelope.
Flora and fauna	Four native vegetation formations exist within the pumped hydro location and include freshwater wetlands, grassy woodlands, dry sclerophyll forests, wet sclerophyll forests and un-classified vegetation. Most of Sir Thomas Mitchell Drive, Magpie Hollow Road, Lakeside camp and Lilyvale Dam have no native vegetation formations however small pockets were reported to have grassy woodlands and dry sclerophyll forests. The majority of the Town camp has no native vegetation formations however small areas to the south and east contain dry sclerophyll forests (shrubby sub-formation). There are four critically endangered species within 10 km of the construction envelope on the federal conservation status list, regent honeyeater, swift parrot, star bush and scrub turpentine and six endangered species.

Aspect	Summary details
State forest	There is no State forest data available for the construction envelope.
National parks and wildlife service reserves	Marrangaroo National Park is located 20 m north of the pumped hydro location according to NSW Department of Planning and Environment.
Bush fire prone land	The majority of the pumped hydro location to the north and the western end of Sir Thomas Mitchell Drive is mapped as vegetation category 1, the highest risk for bush fire. The southern zone of the pumped hydro location, eastern end of Sir Thomas Mitchell Drive, Lakeside camp and Magpie Hollow Road are mapped as vegetation category 3, a medium bush fire risk. A vegetation buffer zone exists along the areas of Lake Lyell and the South Bowenfels suburb. Lilyvale Dam has not bush fire categorisation. The north-east of the Town camp has no bush fire categorisation, the south-eastern area is mapped as vegetation category 3, a medium bush fire risk and in between is a vegetation buffer zone.
Planning and Heritage information	
Environmental Planning Instrument	The pumped hydro location is zoned as SP2: infrastructure with C1: National Parks and Nature Reserves 20 m north. Sir Thomas Mitchell Drive is zoned as RU2: Rural landscape and RU1: Primary production. Magpie Hollow Road is zoned as RU2: Rural landscape, RU1: Primary production, SP2: Infrastructure, and R2: Low Density Residential. Lakeside camp is zoned as RU1: Primary production. Lilyvale Dam is zoned as SP2: Infrastructure. Town camp is zoned as mainly R1: General residential with areas of MU1: Mixed use and C3: Environmental management.
Tanks	There are no records indicating tank areas or points exist within the construction envelope. One currently operational water tank is located 92 m north-east of the Magpie Hollow Road and two more water tanks are located 509 m and 515 m north-east. Four operational water tanks are location within the vicinity of the Town camp, 117 m north-east, 282 m east and 561 m and 615 m west. A rural water tank is also located 285 m east of the Town camp.
Major Easements	One undefined major easement exists running north-east to south-west that joins up to Sir Thomas Mitchell Drive and an undefined major easement is approximately 50 m south-west of the pumped hydro location. Two undefined major easements cross over the northern end of Magpie Hollow Road along with a right of way 6 m x 7 m. A major electricity transmission line also transects Magpie Hollow Road. One right of way is located along the western boundary of the Town camp. Three undefined major easements are located to the north-west, north-east and south-east.
Heritage	There are no reported Commonwealth heritage listed areas within a 1 km radius of the construction envelope. There is one National heritage listed item, Hartley Valley located 151 m east of the Magpie Hollow Road along Great Western Highway and 742 m south-east of the Town camp. A former commonwealth small arms factory is listed in the National heritage list and is located 869 m west of the Town camp. Lithgow heavy anti-aircraft gun station and dummy station is located 299 m north-east of Magpie Hollow Road and is listed on the State heritage Register. Also listed is Bowenfels National school site located 995 m east of Magpie Hollow Road. Lithgow valley colliery and pottery site is within the Town camp and listed on the State heritage register. Other areas listed on the register include Lithgow railway station group and residence, 400 m and 613 m north, Lithgow underbridge, 424 m north-west, and Eskbank railway station group, 686 m north-east. There are 87 listing in the Environmental Planning Instrument – Heritage list in or surrounding the construction envelope. For the full list refer to Annexure A. The Pottery Estate is classified as a conservation area and located within the Town camp along with the Lithgow valley pottery and brickworks.

4.4 Potential regulatory contamination issues

A review of publicly available data is summarised in Table 4.5 with search results provided in Annexure A.

Table 4.5 Summary of potential regulatory contamination issues

Aspect	Summary details
EPA records	The following EPA records/databases were searched for locations within a minimum 500 m radius of the construction envelope: • List of NSW contaminated sites notified to EPA. • Contaminated Land Records of Notice. • Licensed Activities under the POEO Act. • Delicensed POEO Activities still regulated by the EPA. • Former POEO Licensed Activities now revoked or surrendered. • EPA Other Sites with Contamination Issues. EPA records identified from these searches are listed below.
Contaminated sites	There are no records of notified contaminated land within the construction envelope. Shell Coles Express Service Station is located on Great Western Highway which is EPA listed and located 1 m to the north-east of Magpie Hollow Road northern end. A former gasworks and former Shell Commercial Vehicle Refuelling Outlet (CVRO) and depot are located approximately 655 m to the north-east of the Town camp and a Lithgow small arms factory is located 867 m west on the Town camp.
Records of notice	No records of notice were identified for the construction envelope. Lithgow small arms factory located 867 m west of the Town camp has received one former notice (26036). A voluntary remediation proposal was issued by the EPA because soils, sediments and groundwater within the site were contaminated in such a way as to present a significant risk of harm. The contaminants included heavy metals, total petroleum hydrocarbons (TPHs), PAHs, chlorinated organic compounds and cyanide. The Lithgow small arms factory is down hydraulic gradient from the Town camp.
EPA notices	No penalty notices, s.91 and s.92 clean up notices or s.96 prevention notices were identified in the EPA database within the construction envelope. One penalty notice for contravene condition of licence – corporation under the POEO Act was issued to Sydney Trains in 2021 and is located 392 m north of the Town camp. One s.91 clean up notice was issued to Council for an oily/diesel like sheen that was identified to be discharging from a stormwater outlet into Farmers Creek at a point adjacent to Macauley Street. This area is located 711 m north-east of the Town camp.
Other contamination site issues	No records were identified within the construction envelope or surrounding lands.
Licenced activities	No licensed activities were identified within the construction envelope. One licensed activity (12208) assigned to Sydney Trains for railway systems activities is located 392 m north of the Town camp.
Delicenced activities	No delicensed activities were identified within the construction envelope or surrounding lands.

<table>
<tr><th>Aspect</th><th>Summary details</th></tr>
<tr><td>Former licenced activities</td><td>
<table>
<tr><th>Licence no.</th><th>Status</th><th>Licence holder</th><th>Activity</th><th>Distance (m)</th><th>Direction</th></tr>
<tr><td>4653</td><td>Surrendered</td><td>Luhrmann Environment Management</td><td>Other activities/ non-scheduled activity – application of herbicides.</td><td>0</td><td>On-site</td></tr>
<tr><td>4838</td><td>Surrendered</td><td>Robert Orchard</td><td>Other activities/ non-scheduled activity – application of herbicides.</td><td>0</td><td>On-site</td></tr>
<tr><td>6630</td><td>Surrendered</td><td>Sydney weed and pest management</td><td>Other activities/ non-scheduled activity – application of herbicides.</td><td>0</td><td>On-site</td></tr>
</table>
</td></tr>
<tr><td>Other potentially contaminating activities</td><td>The following datasets from various sources containing other potential regulatory contamination issues within a minimum 500 m radius of the project area was searched:
Per- and poly-fluoroalkyl substances (PFAS) site investigations or management programs.
Department of Defence sites.
Airservices Australia.
Gasworks.
Waste management and liquid fuel facilities (depots/terminals).
Mining/exploration titles.
Dry cleaners, motor garages and service stations.
The records identified from these searches are listed below.</td></tr>
<tr><td>State significant precincts</td><td>No state significant precincts were identified within the construction envelope or surrounding area.</td></tr>
<tr><td>Mining subsidence districts</td><td>The Town camp is within the Lithgow mining subsidence district. The Lithgow south mining subsidence district is 109 m south of the Town camp and 334 m north-east of Magpie Hollow Road.</td></tr>
<tr><td>Mines and quarries (current and historical</td><td>No current mines or quarries were identified within the construction envelope or surrounding area.
There were six historical mining and exploration titles on-site and three in the surrounding area of the Town camp.
<table>
<tr><th>Title ref.</th><th>Resource</th><th>Start date</th><th>End date</th><th>Distance (m)</th><th>Direction</th></tr>
<tr><td>PEL0073</td><td>Petroleum</td><td>-</td><td>-</td><td>0</td><td>On-Site</td></tr>
<tr><td>PEL0483</td><td>Petroleum</td><td>2010</td><td>2011</td><td>0</td><td>On-Site</td></tr>
<tr><td>PEL483</td><td>Minerals</td><td>2010</td><td>3000</td><td>0</td><td>On-Site</td></tr>
<tr><td>EL0090</td><td>Minerals</td><td>1967</td><td>1968</td><td>0</td><td>On-Site</td></tr>
<tr><td>EL3068</td><td>Minerals</td><td>1988</td><td>1991</td><td>0</td><td>On-Site</td></tr>
<tr><td>CL577</td><td>Minerals</td><td>-</td><td>-</td><td>0</td><td>On-Site</td></tr>
<tr><td>PEL0102</td><td>Petroleum</td><td>-</td><td>-</td><td>775</td><td>East</td></tr>
<tr><td>EL0089</td><td>Minerals</td><td>1967</td><td>1968</td><td>823</td><td>East</td></tr>
<tr><td>CL585</td><td>Minerals</td><td>1982</td><td>3000</td><td>912</td><td>North</td></tr>
</table>
</td></tr>
<tr><td>Former gasworks sites</td><td>No former gasworks were identified in the EPA database within the construction envelope.
Gasworks Lane is located 711 m north-east of the Town camp.</td></tr>
</table>

Aspect	Summary details
Waste management and liquid fuel facilities	No records of any national waste management sites or national liquid fuel facilities were identified within the construction envelope. Coles supermarket is listed in the National waste management facilities database and is located along the north-western boundary of the Town camp. Woolworths supermarket is located 207 m north of the Town camp. Coles Express is listed in the National liquid fuel facilities register and is located 1 m north-east of Magpie Hollow Road northern end. Caltex Woolworths is located 220 m north-west and Enhance petrol station is located 594 m north-east of the Town camp.
PFAS	No records of any PFAS related areas were identified within the construction envelope from the following databases: • EPA PFAS Investigation Program. • Defence PFAS Investigation Program. • Defence PFAS Management Program. • Airservices Australia National PFAS Management Program. Lithgow Mines Rescue is listed in the EPA PFAS Investigation Program and is located 228 m west of the Town camp.
Defence sites and unexploded ordnance (UXO)	No records of any defence sites or UXOs were identified within the construction envelope from the following databases: • Defence Controlled Areas (DCA). • Defence 3 Year Regional Contamination Investigation Program (RCIP). • National UXO. An area of substation potential for UXOs and is part of the Lithgow Small Arms Factory is located 1,448 m north-east of Magpie Hollow Road and 830 m south-west of the Town camp. It is noted that larger explosives have also been used within this area.
Historical business directories	Mining companies and Colliery proprietors are listed in the Historical Business Directory Records for 1950–1991 and are located within the Town camp. A total of 52 historical businesses were identified within 150 m of the Town camp. For a full list refer to Annexure A. A former electrical contractors' business which used to be a motor service station was identified to be next to the northern end of Magpie Hollow Road.
Dry cleaners	No dry cleaners were identified within the construction envelope. Approximately seven historical dry-cleaning businesses are located within 500 m of the Town camp. For the full list refer to Annexure A.
Motor garages	No motor garages were identified within the construction envelope. One historical motor service station from 1961 is located on the northern end of Magpie Hollow Road. Approximately 13 historical motor service stations are located within 500 m of the Town camp. For the full list refer to Annexure A.

4.5 Project area condition and surrounding environment

An inspection of the construction envelope was undertaken by an EMM environmental scientist on 10 July 2024 accompanied by an EnergyAustralia environment team member. A second site inspection was undertaken on 23 July 2025 due to changes in the construction envelope to incorporate Magpie Hollow Road, Lilyvale Dam and the Town camp. Both site inspections were conducted to evaluate areas of potential contamination. Key observations from the inspection are summarised below. A photographic log is provided in Annexure B.

4.5.1 General observations

The pumped hydro location consists of steep, rugged and dense bushland (refer to Photographs 1 and 2, Annexure B) and Farmers Creek arm of Lake Lyell. The bushland appeared generally intact with disturbed ground and tracks indicating motorbike and 4WD use along unsealed gravel access roads. The southern end of the pumped hydro location comprises generally steep terrain and largely intact bushland. Several dirt walking tracks were observed near Lake Lyell.

Sir Thomas Mitchell Drive extends from Magpie Hollow Road down to Lake Lyell to the north and predominantly comprised asphalt sealed roads (refer to Photograph 4, Annexure B) apart from an unsealed gravel section, approximately 1 km long, at its western extent, near the lake.

Magpie Hollow Road extends from Great Western Highway intersection down to Lakeside camp and consisted of asphalt sealed roads with potholes and cracks observed in places (refer to Photograph 5, Annexure B).

Lilyvale Dam consists of uneven terrain potentially cut and fill material used during the construction of the dam and sparse bushland (refer to Photograph 6, Annexure B).

The Lakeside camp encompasses open grazing land, Lockyers Line and the intersection of Magpie Hollow Road and Lockyers Line (refer to Photographs 7 and 8, Annexure B).

The Town camp consists of cleared grassland with various stockpiles to the north and south (refer to Photographs 9 and 10, Annexure B).

No obvious contamination sources were observed during the inspection of the project location, road upgrade areas, Lilyvale Dam or the Lakeside camp. No vegetation stress, evidence of spills or buried waste was observed within these areas; however, two small stockpiles approximately 5 m^3 were observed within the Lakeside camp on the eastern side of Lockyers Line (refer to Photograph 11, Annexure B). Multiple stockpiles of unknown material within the northern end of the Town camp were observed which have the potential for contamination to be present (refer to Photograph 12, Annexure B). Pottery Estate historical structures including a chimney stack and building potentially used for storage or as a pottery kiln, are located adjacent to the north-western boundary of the Town camp and are potentially a source of localised historical residual contamination (refer to Photographs 13 and 14, Annexure B).

4.5.2 Areas of interest

The following features were observed:

i Pumped hydro location

- Two unsealed gravel roads (Mount Walker Road and a 4WD track) were located within the pumped hydro location. One located to the north of the bushland and one in the central portion of the pumped hydro location extending into the area from the west.
- Various 4WD tracks were observed to the north and west of the pumped hydro location within the Marrangaroo National Park.
- A powerline easement was located south of Lake Lyell and near the end of Sir Thomas Mitchell Drive.

ii Road upgrade areas

- Sir Thomas Mitchell Drive comprised a sealed road to the east leading to an unsealed road to the west closer to Lake Lyell.
- A total of 11 rural properties were observed on either side of Sir Thomas Mitchell Drive.

- Approximately five stockpiles of mulch, sandstone boulders and wood material (exact quantity unknown) were observed from the property boundary at 51 Sir Thomas Mitchell Drive. The stockpiles were located upgradient of Sir Thomas Mitchell Drive and approximately 10 m from the disturbance footprint boundary (refer to Photograph 15, Annexure B).

- Two underground storage tanks (USTs) were observed at 23 Sir Thomas Mitchell Drive. The USTs appeared to be septic tanks and were located approximately 10 m from the road (refer to Photograph 16, Annexure B).

- A number of abandoned vehicles in unusable condition were observed abandoned in a paddock at 10 Sir Thomas Mitchell Drive (refer to Photograph 17, Annexure B). No sign of spills or leaks were observed, however, due to access restrictions the area was only observed from the roadside.

- Four cattle stockyards were observed along with grazing cattle along both Sir Thomas Mitchell Drive and Magpie Hollow Road (refer to Photograph 18, Annexure B). No evidence of cattle dips was observed during the inspection.

- A concrete drainage pipe was observed running in a south to north direction underneath Sir Thomas Mitchell Drive and ending on the northern side of the road which is partially collapsed and eroding the soil beneath the road.

- Magpie Hollow Road intersection contained a Shell Service Station on the northern corner which appears hydraulically upgradient of Magpie Hollow Road (refer to Photograph 19, Annexure B).

iii Lilyvale Dam

- Uneven ground, potentially created using cut and fill material from the construction of the dam.

iv Accommodation camp - Lakeside camp

- Evidence of a camping area was located approximately 100 m to the west of the Lakeside camp. Small quantities of litter were observed on the ground surface in this area.

- Two stockpiles (approximately 5 m^3) containing mainly road base and 0.3 m x 0.3 m pieces of concrete, on the eastern side of Lockyers Line within the Lakeside camp (refer to Photograph 11, Annexure B).

v Accommodation camp – Town camp

- Various gravel hardstand areas and brick building foundations were observed amongst the grass within the northern section of the Town camp (refer to Photograph 20, Annexure B) and one area within the centre of the Town camp.

- Approximately 12 stockpiles of various volumes and containing unknown material are located within the northern area of the Town camp. Surface material consisted of clay, sand, gravels and anthropogenic waste including wood, bricks, steel, boulders, concrete fragments, plastic piping, wool material and plastic silt fence material (refer to Photographs 21 and 22, Annexure B).

- Farm equipment, including a tractor and roller, stored on the grass within the central area of the Town camp and adjacent to the residential houses.

- Uneven ground along the slope heading south into the gully, possibly created using unknown fill material to build up the area for development of the residential housing block (refer to Photograph 23, Annexure B). Anthropogenic waste observed on the ground surface including rubber waste, old fencing materials, concrete fragments, rusted metal and wood.

- Two stockpiles of unknown material with a volume of approximately 300 m^3, were observed within the gully to the south of the Town camp.

- Evidence of fill and disturbed ground, encompassing an area of approximately 2.2 ha, is located directly adjacent to and intersecting the south-western portion of the Town camp, consisting of soil material of unknown origin (refer to Photograph 24, Annexure B).

- An SES complex is situated directly adjacent to the northern boundary of the Town camp containing vehicles that appear similar to fire trucks (refer to Photograph 25, Annexure B).

- Historical structures (chimney stack and brick building) of the Pottery Estate located approximately 1 m away from the north-western boundary of the Town camp, a potential source of historical contamination to the area.

4.6 Interviews with local landowners and stakeholders

An interview was held with the landholder of 17C Great Western Highway and an EnergyAustralia environment team member on the 10 July 2024. Key information is summarised as follows:

- 4WD tracks are mostly used during the weekends within the pumped hydro location and surrounding areas. Tracks alongside the pumped hydro location are generally inaccessible as gates and fencing limit access; however, motorbikes can access the land beyond the locked gates.

- Camping mainly occurs within the Marrangaroo National Park to the west of the pumped hydro location however there has been a few observations in the past of old campfires within the pumped hydro location.

- One or two small bushfires have occurred on Mount Walker in the past.

- The property owner of 17C Greater Western Highway is a long-time resident and could not think of any obvious historical or current contamination sources within the pumped hydro location.

- The property owner reported that no USTs, ASTs, areas of dumped or buried solid waste, cattle or sheep dips are known to him within the pumped hydro location.

5 Potential impacts

5.1 Construction impacts

Construction phase impacts relate to excavation and surface disturbance areas associated with construction of the project. The following sections outline potential contamination impacts associated with construction activities from both existing identified sources and sources potentially introduced as a result of construction activities.

5.1.1 Existing sources

Identified potential contamination impacts from existing sources are described in Table 5.1 below (refer to Figure 5.1).

Table 5.1 Potential existing source areas and CoPC

Source type and CoPC	Identified source area
Potentially contaminated sediments – metals, phenols, TRH[2], BTEXN[3] and PAHs[6]	• ERM (2013) identified heavy metal concentrations exceeding background levels within sediments collected from Lake Lyell. Excavated spoil material including sediment from the diversion channel will be placed in the adjacent infill area or within the current lake footprint to create a laydown area. Spoil that cannot be re-used for the construction of these elements will be placed in a spoil stockpile to the south of Farmers Creek. Excess spoil would be transported offsite to a facility approved to accept the material. The potential for widespread contaminated sediments is considered low however all material handled on site would be subject to spoil management procedures.
Potential uranium and radionuclide material in rock – naturally occurring radioactive material (NORM)	• ERM (2013) stated that routine surface water sampling in Lake Lyell occasionally detected low concentrations of molybdenum and uranium near the base of the dam wall. It was found to be naturally occurring in local igneous rocks used in the construction of the dam wall and not representative of contamination in surface water therefore widespread contamination is considered unlikely. Granodiorite is located in the vicinity of the construction envelope and reportedly may contain low concentrations of uranium and other radionuclides. • Extracted rock from the upper reservoir cut may be used to complete the rockfill embankment. Excess excavated material will be transported to the upper reservoir laydown pad in line with the proposed spoil management strategy for the project. • Disturbance of ground material may occur at the laydown area at Lilyvale Dam.
Fill material of unknown origin – ACM[4], PCB[5], metals, OCP/OPP[1]	• The potential for fill material of unknown origin to be located within most areas of the construction envelope is considered to be low; however, it is known that large quantities of fill material have been used to fill the quarry, approximately 2.1 ha, within the northern section of the Town camp. • The sloped areas south of the residential houses within the central area of the Town camp appear uneven and have the potential to be fill material used during the construction of the residential housing block. Two areas within the Town camp, including the northern section, have been labelled as a known contaminated area by Council.
Fill emplacement and ground disturbance – ACM[4], PCB[5], metals, OCP/OPP[1], TRH[2], BTEXN[3]	• A large area, approximately 2.2 ha, of fill emplacement and ground disturbance exists directly adjacent to and intersecting the south-western end of the Town camp. The fill material appears to consist of soil however the origin of the material is unknown. The historical aerial review indicated the area has been used as such circa 2014.
Culverts and pipelines – asbestos	• Within all areas of the construction envelope, particularly adjacent to roadways where aged service conduits exist.
Underground septic tank – Nutrients, E. Coli	• Two USTs (likely to be septic tanks) were observed to be located approximately 10 m from the road within 23 Sir Thomas Mitchell Drive. The tanks appeared to be in good condition and the presence of contamination that would impact the project is considered unlikely.

Source type and CoPC	Identified source area
Historical application of herbicides and pesticides on agricultural land – OCP/OPP[1]	• Historical aerial photographs indicate low intensity agriculture (grazing) within all areas of the construction envelope and cropping or market garden activities occurring within the southern end of the Town camp around 1931. Widespread spraying of herbicides and pesticides is considered unlikely in most areas apart from the Town camp; however, may have occurred for treatment of pests and weeds in some areas (particularly agricultural land and camping areas).
Stockpiles – OCPs[1], metals, TRH[2], BTEXN[3], ACM[4], PCBs[5]	• Two small stockpiles of road base and concrete material (approximately 5 m^3) was observed within the Lakeside camp on the side of Lockyers Line. Historical aerials suggest these stockpiles have existed since at least 2018. Considering the small size, they are considered to present a low contamination risk to the project. • Stockpiles of imported material were observed approximately 10 m upgradient of Sir Thomas Mitchell Drive within the 51 Sir Thomas Mitchell Drive property and is considered low risk given the relatively small volume, limited distribution and clean appearance of the material. • Approximately 12 stockpiles of various volumes and containing unknown material are located within the northern area of the Town camp. Anthropogenic waste including wood, bricks, steel, boulders, concrete fragments, plastic piping, wool material and sediment control material was observed on the surface of the stockpiles. • Two observed stockpiles of unknown material were observed within the southern area of the Town camp.
Residual contamination from demolished buildings – ACM[4], lead	• Historic buildings related to the Pottery Estate that have since been demolished have the potential as a source for residual waste such as ACM and lead flakes from the use of lead-based paints based on the assumed age of the buildings.
Potential former ASTs of unknown content – metals, TRH[2], BTEXN[3]	• Two structures resembling the appearance of ASTs were identified from historical aerial images, located within the northern section of the Town camp and present between 1984 and 2002. The contents of the potential ASTs are unknown. • Three structures resembling the appearance of ASTs were identified adjacent to the northern boundary of the Town camp in 1950 aerial imagery; however, the contents of the potential ASTs are unknown.
Off-site potential source – Service Station - metals, TRH[2], BTEXN[3]	• Shell Service Station on the northern corner of Magpie Hollow Road contains petrol and diesel USTs of unknown condition. There is a potential for localised soil and groundwater contamination related to the USTs. The Shell Service Station is listed as a contaminated site by the EPA.
Off-site potential source – SES fire training – PFAS[7]	• An SES complex is located directly adjacent to the northern boundary of the Town camp. It is unknown whether fire training exercises using aqueous film forming foams (AFFF) have been conducted in the area, a potential source for PFAS contamination.
Historical activities of the Pottery Estate - metals, TRH[2], BTEXN[3], PAH[6]	• Historical activities of the Pottery Estate have the potential as a source of residual contamination within the northern area of the Town camp.

Notes: 1. OCP/OPP – Organochlorine Pesticides/Organophosphorus Pesticides.

2. TRH – Total Recoverable Hydrocarbons.

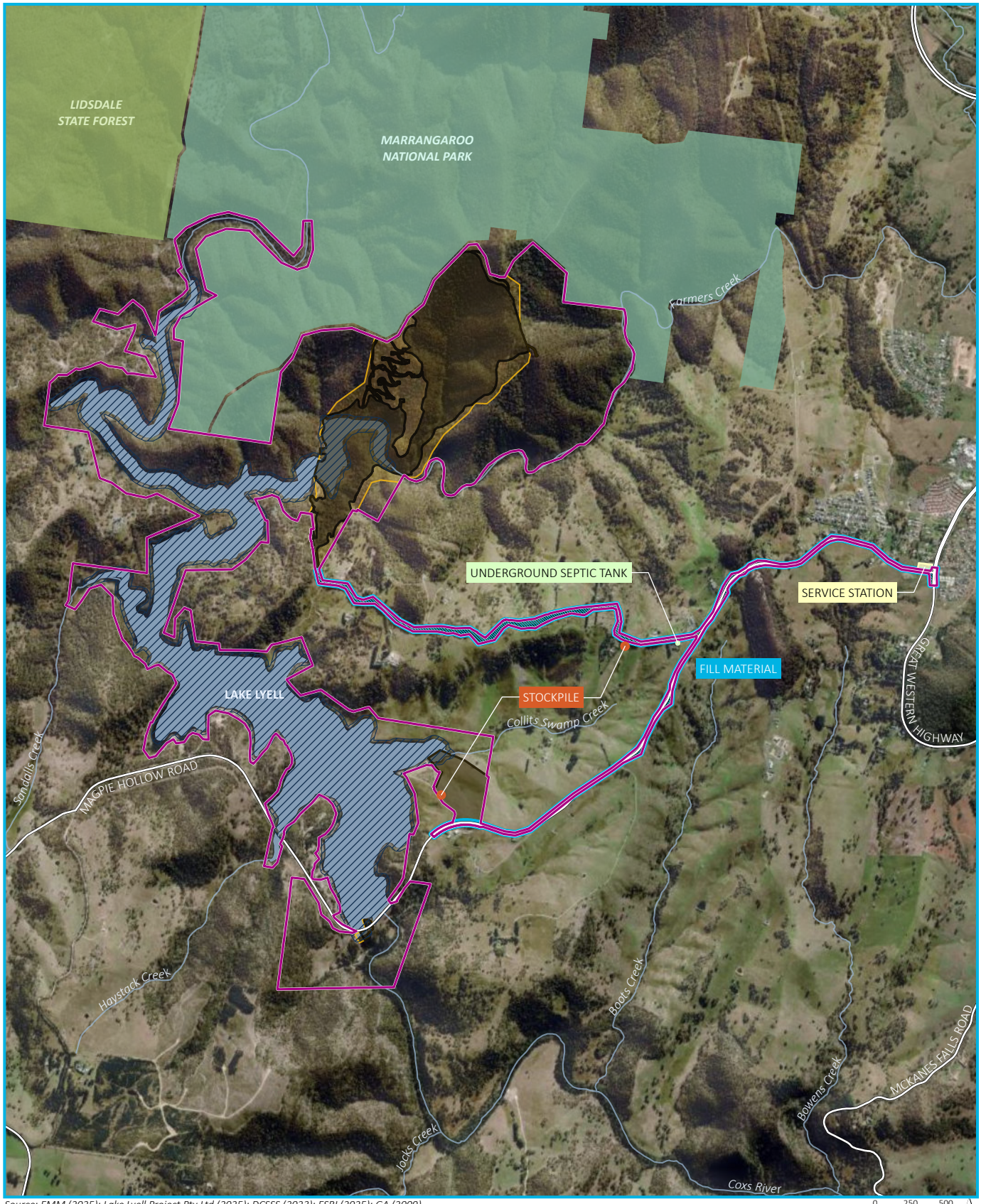
3. BTEXN – Benzene, Toluene, Ethylene, Xylene and Naphthalene.

4. ACM – Asbestos Containing Material.

5. PCBs – Polychlorinated Biphenyls.

6 PAHs – Polycyclic aromatic hydrocarbons.

7 PFAS – Per- and polyfluoroalkyl substances

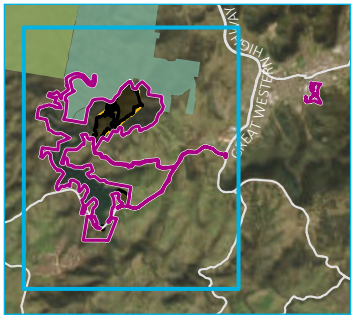


Source: EMM (2025); Lake Lyell Project Pty Ltd (2025); DCSSS (2023); ESRI (2025); GA (2009)

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KEY

- Project area
- Disturbance footprint
- Construction envelope

Contamination source

- Potentially contamined sediments
- Fill material of unknown origin
- Stockpile
- Underground septic tank
- Shell service station

Existing environment

- Major road
- Named watercourse
- Named waterbody
- NPWS reserve
- State forest

Potential source of existing contamination

Lake Lyell PHES
Contamination Preliminary Site Investigation
Figure 5.1

EMM
creating opportunities

5.1.2 Potential construction related contamination impacts associated with existing sources

Potential construction related contamination impacts are primarily associated with the:

- excavation, disturbance and use of construction spoil (including sediment) sourced from the upper reservoir, Lake Lyell diversion, construction of the northern haul road and tunnelling works
- use of the spoil for the construction and development of various project elements, including dam walls (for the upper reservoir, cofferdams and sediment basin), the HV switchyard pad, the upper reservoir laydown pad, the main site compound pad, the infill of Farmers Creek arm of Lake Lyell subsequent to the diversion of Lake Lyell, modifications to the Lilyvale Dam area and Town camp and upgrades to Sir Thomas Mitchell Drive, Lockyers Line and Magpie Hollow Road.

Residual construction spoil will be disposed off-site at a location to be determined. Prior to permanent placement, testing and characterisation of spoil in accordance with the requirements outlined in site specific management plans prepared for the project would be required to confirm the material is suitable for its intended use.

5.1.3 Potential introduced sources from project activities during construction

New sources of contamination may be introduced through construction of the project. These include and are not limited to spills/leaks of hydrocarbons, chemicals or waste generation associated with:

- ancillary utility works
- storage and use of petroleum, diesel, chemicals and other hydrocarbons (including dangerous goods) required for the use and maintenance of plant and equipment
- temporary and permanent storage of spoil from drill and blast excavation
- establishment of site offices, amenities and temporary infrastructure
- construction of permanent operational infrastructure.

It is not anticipated that importation of bulk fill material will be required for the construction of the project as spoil used for construction will be sourced from within the project area. Hydrocarbons and chemicals are expected to be stored in the workshop and laydown areas.

There is the potential for exposure of human and ecological receptors to contamination in the event of inappropriate storage and management of waste, including potential leaks and spills from equipment and plant (generated by construction activities). Typical examples would include spills of hydrocarbons while refuelling or lubricants used by machinery, and generation of construction waste. However, these impacts can be managed with the appropriate implementation of suitable management measures.

The temporary and permanent storage of spoil has potential to release nitrates into the surrounding environment, as a result of drill and blast explosives (containing nitrate). A stormwater management system will be designed to contain and test the leachability of permanent spoil placements to ensure they are non-polluting, stable landforms. Further, monitoring and mitigation measures will be implemented in line with management plans. The proposed impacts and management approach is further described in the surface water assessment (EMM, 2025) and not detailed further in this report.

5.1.4 Potential exposure pathways and receptors

If not managed appropriately, there would be potentially complete human exposure pathways from contamination sources to receptors (where identified). These may include:

- direct dermal contact and incidental ingestion of contaminated spoil by construction workers during excavation and stockpiling activities
- inhalation of fibres or dust from soil by construction workers
- direct dermal contact and incidental ingestion of contaminated surface water by construction workers
- exposure of ecological receptors via plant uptake and/or animal ingestion.

5.2 Operational impacts

5.2.1 Impacts from existing potential sources of contamination during operation

Potential impacts from existing contamination during operation of the project are primarily associated with the reuse or disturbance of contaminated spoil and sediment that may be either naturally occurring (NORM) or anthropogenic in origin, including contamination in sediment excavated from Lake Lyell (refer to Section 5.3.1 for a preliminary risk assessment). The implementation of management protocols is required (refer to Chapter 6).

5.2.2 Impacts to the environment from project activities during operation

For the purposes of this contamination assessment, identified operational impacts primarily relate to the low potential for contamination of soil, surface water and groundwater arising from maintenance incidents, leaks and spills associated with the operation of the project. Maintenance activities would include minor servicing of pumps, valves and other mechanical infrastructure in the dam and pipeline elements, with only minor quantities of oils and greases expected to be used. The risk of contamination events occurring during operation is considered low, however management measures would be implemented to mitigate this risk.

To manage spills and leaks during the operation of the project, spill containment facilities would be located in permanent operational facilities where there is a risk of impact from spills. Site management activities would be documented in an operational environmental management plan (OEMP) prepared to inform the operation of the project.

5.3 Preliminary conceptual site model

5.3.1 Sources and preliminary risk assessment

Several sources of potential contamination have been identified (refer to Section 5.1.1) and are expected to present a medium to negligible risk (refer to Figure 5.1). A tier 1 preliminary risk assessment of these sources is presented in Table 5.2 below. The risk assessment framework is outlined in Section 3.2.

Table 5.2 Potential sources – tier 1 preliminary risk assessment

Source type and CoPC	Identified source area	Tier 1 preliminary risk assessment
Potentially contaminated sediments within Lake Lyell - metals	• ERM (2013) identified heavy metal concentrations exceeding background concentrations within sediments collected from Lake Lyell. It was also reported that Farmers Creek is a receptor of a number of potentially contaminating upgradient contamination sources such as historic iron and steel furnace (circa 1875), refining of copper, pottery and brick works, a small arms factory, sewage treatment effluent, railway activities and vehicle traffic.	• Low 6. • Metal concentrations identified in sediments of Lake Lyell marginally exceeded the adopted criteria; however, no testing of sediments has been conducted within Farmers Creek. Based on the assessments previously conducted in Lake Lyell, concentrations of CoPC above the relevant assessment criteria within the pumped hydro location appear limited in extent.
Potential molybdenum and uranium material in rock – NORM	• ERM (2013) identified that routine surface water sampling in Lake Lyell occasionally detected low concentrations of molybdenum and uranium near the base of the dam wall. • Granodiorite is located in the vicinity of the disturbance area and may contain concentrations of uranium and other radionuclides.	• Low 4. • NORM has been identified in underlying geology at background concentrations; therefore widespread contamination is considered unlikely.
Fill material of unknown origin – ACM, PCB, metals, OCPs/OPP	• The potential for contaminated fill material of unknown origin to be located beneath Sir Thomas Mitchell Drive and Magpie Hollow Road is considered low to negligible. • It was identified that fill material has been used to fill the quarry, approximately 2.1 ha, within the northern section of the Town camp; however, the source of the material is unknown. An area within the southern portion of the Town camp is also suspected to be fill material developed during the construction of the residential housing block.	• Moderate 9. • Intensive human development and land uses have not occurred across most of the construction envelope, therefore, widespread or significant contamination resulting from fill material is considered unlikely to be present at concentrations above the relevant assessment criteria in most areas. • It was identified that the Town camp has fill material of unknown origin that has the potential for significant contamination of the northern area of the Town camp which a portion of this area has also been stated to be a known contaminated area by Council.
Fill emplacement and ground disturbance – ACM, PCB, metals, OCPs/OPP, TRH, BTEXN	• A large area, approximately 2.2 ha, of fill emplacement and ground disturbance exists directly adjacent to and intersecting the south-western end of the Town camp. The fill material appears to consist of soil however the origin of the material is unknown. The historical aerial review indicated the area has been used as such circa 2014.	• Moderate 9. • Considering the large area of fill emplacement and ground disturbance within the south-western end of the Town camp and the unknown origin of the material, the risk is considered to be moderate.

Source type and CoPC	Identified source area	Tier 1 preliminary risk assessment
Historical application of herbicides and pesticides on agricultural land – OCPs/OPP, herbicides	• Historical aerial photographs indicate low intensity agriculture (grazing) with cropping or market garden activities within the southern portion of the Town camp. The historical application of pesticides and herbicides is considered to be likely associated with this former land use. • Widespread application of pesticides and/or herbicides is considered unlikely for the majority of the construction envelope (excluding the Town camp).	• Moderate 9. • Agricultural activities observed across the construction envelope and surrounds generally appeared non-intensive; however, intensive cropping or market garden activities have occurred within the southern portion of the Town camp. It is likely that widespread application of pesticides and/or herbicides across the southern portion of the Town camp may have occurred, resulting in potential residual contamination within soil in this area.
Stockpiles – PCBs, OCPs, metals, TRH, BTEXN, ACM	• Two small stockpiles of road base and concrete material (approximately 5 m^3) were identified within the Lakeside camp on the side of Lockyers Line Road. Historical aerials suggest these stockpiles have existed since at least 2018. • Stockpiles of imported material including mulch, sandstone boulders and wood were observed approximately 10 m upgradient of the road within the 51 Sir Thomas Mitchell Drive property. • Approximately 12 stockpiles of various volumes containing material assumed to be mainly soils of unknown origin are located within the northern area of the Town camp with anthropogenic waste observed on the surface. Two more stockpiles were observed within the southern area of the Town camp.	• Moderate 9. • The two small stockpiles within the Lakeside camp appeared to contain road base and concrete. Considering the small quantities, the contamination risk is likely to be low. • The material observed within the stockpiles upgradient from Sir Thomas Mitchell Drive are considered to present a low risk. • Stockpiles within the Town camp are considered to present a moderate risk considering the volume of material within the stockpiles is estimated to be approximately 21,000 m^3 and of unknown origin.
Underground septic tanks – Nutrients, E. Coli	• Two underground tanks that appeared to be septic tanks were observed to be located approximately 10 m from the road within 23 Sir Thomas Mitchell Drive.	• Low 2. • The two underground septic tanks appear to be in good condition, and potential leaks from the tanks is unlikely to cause widespread contamination.
Residual contamination from demolished buildings – ACM, lead	• Historic buildings related to the Pottery Estate have been demolished and have the potential to contribute ACM and lead-based paint contamination to the soils, as they may have been used as building materials given the estimated age of the buildings. However, no visible asbestos or lead paint flakes were observed during the site inspection.	• Low 6 • No visible asbestos of lead paint flakes were observed within the soils of the site during the inspection therefore, it is unlikely to contribute to widespread contamination.
Potential former ASTs of unknown content – metals, TRH, BTEXN	• Two potential ASTs were present within the Town camp between approximately 1984 and 2002 and three potential ASTs were present directly adjacent to the northern boundary of the Town camp c.1950. All contents of the former potential ASTs are unknown; however, no signs of staining were observed on the ground surface of the Town camp during the site inspection.	• Low 2 • Five potential ASTs have been within the Town camp or within the vicinity of the Town camp; however, the risk of significant and widespread contamination related to the ASTs is considered to be low since the tanks were above ground and left no visible evidence of contamination.

Source type and CoPC	Identified source area	Tier 1 preliminary risk assessment
Shell Service Station – off-site – metals, TRH, BTEXN	• The Shell Service Station is located on the corner of Magpie Hollow Road and Great Western Highway and contains petrol and diesel USTs of unknown condition. The service station is considered to be potentially hydraulically upgradient of Magpie Hollow Road. The Shell Service Station has been listed as a notified contaminated site by the EPA.	• Moderate 9 • There is a potential for soil and groundwater contamination to exist beneath the northern end of Magpie Hollow Road, migrating from the service station which is inferred to be situated hydraulically upgradient.
SES fire training – off-site - PFAS	• A SES complex is located directly adjacent to the northern boundary of the Town camp and contains vehicles that appear similar to fire trucks. There is a potential for fire training to have occurred within the area.	• Low 2 • There is a potential for PFAS contamination due to possible firefighting activities; however, the risk is considered to be low because the site is located down topographic gradient and there is no evidence that fire training has been undertaken on the Town camp.
Historical activities of the Pottery Estate – metals, TRH, BTEXN, PCB	• Historical activities related to the Pottery Estate have the potential to be a source of contamination to the Town camp. A chimney stack was located adjacent to the western boundary. Since the Pottery Estate has not been operational since 1946.	• Low 4 • Residual contamination related to historical Pottery Estate activities could remain within the soil; however, the risk is considered to be low since the Town camp has been vacant since the 1940s and no obvious signs of contamination were observed during the site inspection.

5.3.2 Pathways

The following transport mechanisms may apply within the construction envelope:

- surface run-off of CoPC into Farmers Creek, Coxs River, Collits Swamp Creek and Lake Lyell
- excavation, disturbance and re-location of spoil during construction activities
- vertical seepage of CoPC into the underlying soils and groundwater
- atmospheric dispersion (aeolian transport) of dust, derived from contaminated soil or hazardous building materials (asbestos).

Identified potential exposure pathways for the nominated CoPC include:

i) dermal contact and incidental ingestion of soil

ii) inhalation of dust (including soil derived) or fibres

iii) dermal contact and incidental ingestion of groundwater/surface water

iv) plant uptake and/or ingestion by animals.

Based on the physical and chemical features of the CoPC identified, the exposure pathways that may be applicable to each CoPC at the construction envelope are presented in Table 5.3.

Table 5.3 CoPC and applicable exposure pathways

CoPC	Applicable pathways (from Section 5.3.2)
Asbestos	Ii
TRH/BTEXN, PAHs	i, ii, iii
Metals (eg arsenic, lead, etc)	i, ii, iii, iv
OCP, OPP, PCBs	i, ii, iii, iv
Nutrients, E. Coli	i, iii, iv
NORM	i, ii, iii, iv
PFAS	i, ii, iii, iv

5.3.3 Receptors

The CSM has been developed to identify existing sources and areas of contamination, associated potential impacts to human health and ecological receptors and to identify exposure source, pathway and receptor linkages. Typical receptors during the construction phase include:

- project construction workers
- surrounding human users (although access would be restricted from construction areas) such as residents and/or recreational users
- ecological receptors, including terrestrial and aquatic ecosystems in receiving surface water bodies.

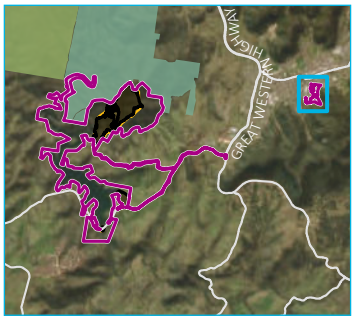


Source: EMM (2025); Lake Lyell Project Pty Ltd (2025); DCSSS (2023); MetroMap (2025); ESRI (2025); GA (2009)

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KEY

- Project area

Contamination source

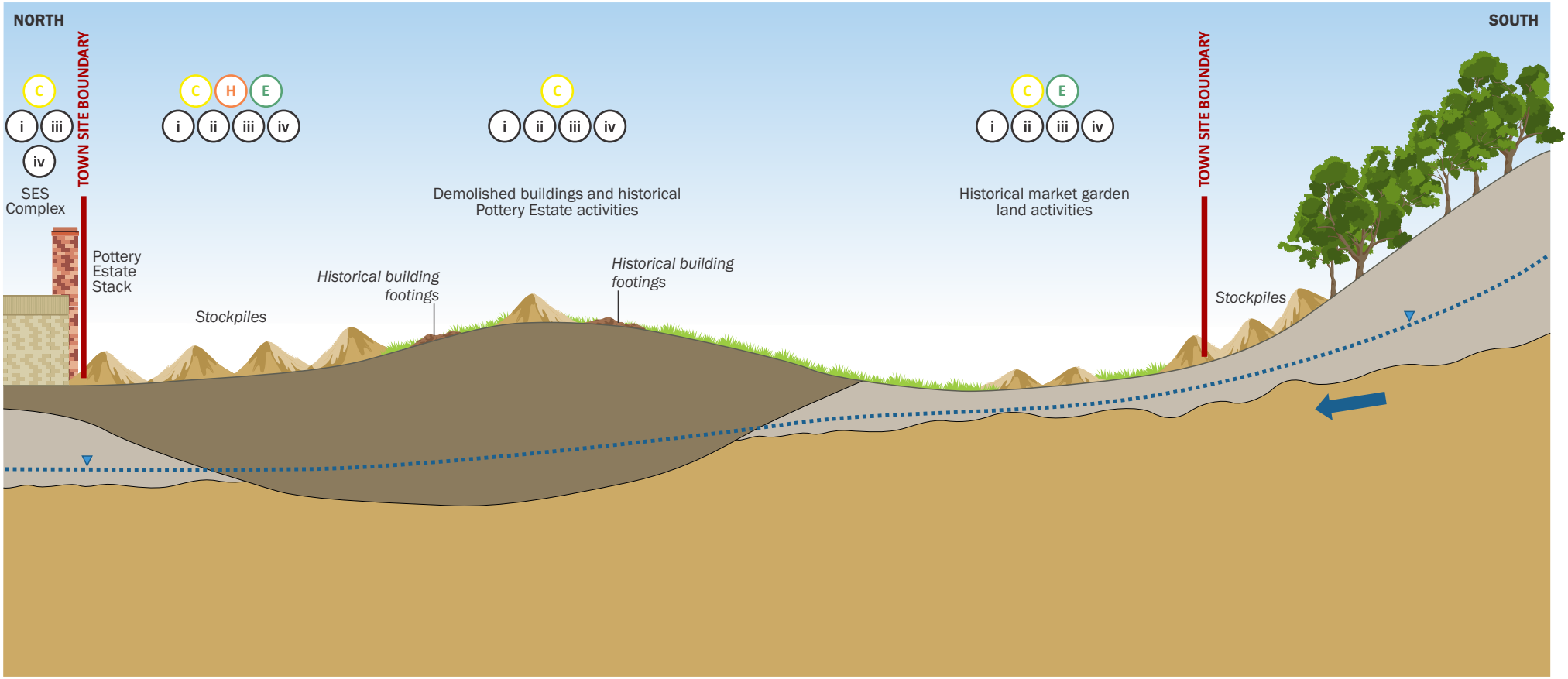
- Fill emplacement and ground disturbance
- Fill material of unknown origin
- SES fire training
- Stockpile

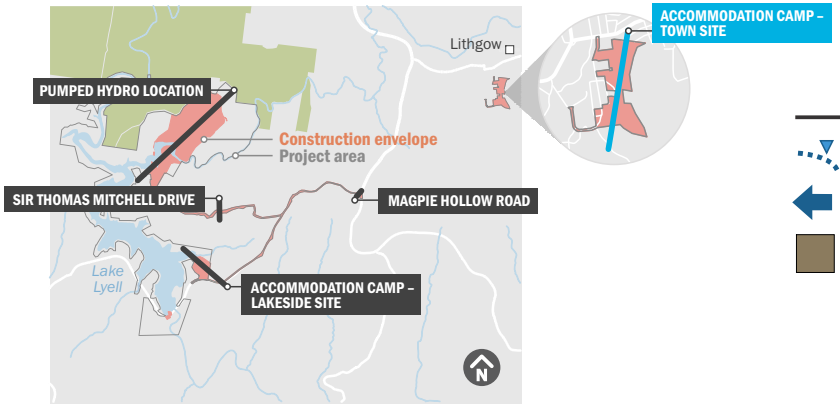
Potential source of existing contamination- Town site

Lake Lyell PHES
Contamination Preliminary Site Investigation
Figure 5.2

EMM
creating opportunities

ACCOMMODATION CAMP – TOWN SITE





Key

- Inferred groundwater level
- Inferred groundwater flow direction
- Fill
- Soil
- Bedrock

Receptors

- C Project construction workers
- H Surrounding human users such as residents and/or recreational users
- E Ecological receptors

Pathways

- i Dermal contact and incidental ingestion of soil
- ii Inhalation of dust or fibres
- iii Dermal contact and incidental ingestion of groundwater/surface water
- iv Plant uptake and/or ingestion by animals

Figure 5.3 Accommodation Camp – Town Site conceptual site model schematic

EMM creating opportunities

6 Management and mitigation measures

6.1 Management objectives

The key objectives of contamination management mitigation measures are to:

- demonstrate that the project construction works would be undertaken in accordance with relevant requirements of the CLM Act, POEO Act, *Work Health and Safety Act 2011* (WHS Act) and Work Health and Safety Regulation 2017 (WHS Regulation)
- minimise risk to project workers and surrounding human and environmental receptors from the disturbance of CoPC identified during this assessment
- minimise significant impacts to watercourses including Lake Lyell, Farmers Creek, Coxs River, Collits Swamp Creek and associated ecological receptors from CoPC
- formally record the actions taken to identify and control exposure to workplace hazardous substances, as well as their use and transport.

6.2 Management of impacts

The management and mitigation measures that should be undertaken during the project works to manage potential contamination issues are presented in the following sections.

6.2.1 Assessment of the proposed disturbance areas

Based on the tier 1 preliminary risk assessment completed (refer to Table 5.2), areas within the construction envelope that have been assessed as low risk do not require further assessment or remediation and would be managed by the implementation of a construction environmental management plan (CEMP) for the proposed works and would include management of contamination. Notwithstanding, assessment of sediment conditions within proposed disturbance and excavation areas would be beneficial to inform the usage of this material during construction, if it is intended to be excavated and reused in other areas or otherwise disposed to an offsite facility. An intrusive ground investigation in the proposed disturbance footprint in the vicinity of the Shell Service Station should be undertaken to assess contamination status within the area. For due diligence purposes and to assist with selection of the preferred accommodation camp option, an intrusive investigation of the proposed Town camp would assist with identifying potential liabilities associated with the presence of contamination at this location.

6.2.2 Contaminated soil and water management during construction

Protocols for the management of contaminated soil and water during construction would be included in the CEMP for all construction works of the project. The CEMP would:

- detail requirements for safety controls including but not limited to the following:
  - contaminated materials management
  - air/dust monitoring
  - exclusion zones and decontamination
  - excavation ventilation

- dust suppression and containment
- personnel protective equipment
- training and supervision

- detail requirements for environmental controls including:
  - erosion and sediment control
  - management of surface water runoff and groundwater ingress around the excavation / tunnelling / blast areas and prevention of surface water and groundwater entering excavations
  - stockpile management procedures for segregating materials and preventing cross contamination of clean material with contaminated material (if present)
  - materials tracking and records
  - management of liquid and solid waste arising from construction and blasting activities (e.g. during excavation of the diversion tunnel), including mitigation of blasting residues.

6.2.3 Asbestos management

A site-specific asbestos management plan (AMP) is required under Part 8.4 of the WHS Regulation should ACM be encountered during construction.

Specific protocols would be stipulated for separation, monitoring, validation and clearance of asbestos.

The AMP and associated Standard Work Procedures would satisfy the relevant requirements of:

- The WHS Regulation
- the Safe Work Australia Asbestos Codes of Practice and Guidance Notes.

All persons performing the works would be required to undertake a suitable risk assessment and develop a safe work method statement (SWMS) for all work activities prior to commencing work in potential or actual asbestos impacted areas.

6.2.4 Waste management and transport

A construction soil and water management plan (CSWMP) should be prepared incorporating waste management plans including procedures for handling and storing excavated rock and/or stockpiled materials, including potentially or known contaminated soil/fill in accordance with the POEO Act.

Excess material or material that has been assessed as not suitable for re-use or management (e.g. via encapsulation or treatment) would be appropriately characterised prior to off-site disposal.

The following material handling requirements would be implemented for trucks transporting materials off-site:

- Where required, a licensed transporter would be used to transport material to an appropriately licensed disposal location or waste facility.
- All truck loads would be filled to the correct level and not over-filled.
- Trucks carrying spoil materials would be covered prior to exiting the work site and would remain covered until authorised to unload at the receiving destination.

- Trucks transporting saturated materials would be fitted with seals to ensure that the movement of potentially saturated materials is undertaken appropriately. The integrity of the seals would be inspected and tested at regular intervals as prescribed in the CEMP.
- If construction materials are tracked or spilt, leaks and spills would be cleaned up in a manner that prevents contamination of land and waterways.
- All truckloads and waste material contents and volumes would be described and tracked, and a register completed to reconcile and check material has been lawfully and appropriately disposed in accordance with the Proposal's approvals and relevant legislation.

Temporary excavated rock stockpiles may be stored at select locations within the project area. All stockpiled material would be tracked in accordance with protocols outlined within the CEMP for material tracking.

6.2.5 Assessment of imported virgin excavated natural material or excavated natural material

If importation of any virgin excavated natural material (VENM), excavated natural material (ENM) or other imported material is required during construction, the material would be identified and assessed against the definitions outlined in the Waste Classification Guidelines (EPA 2014) and POEO Act. The material source(s) would be assessed by an appropriately qualified environmental consultant.

6.2.6 Unexpected finds

An unexpected finds protocol (UFP) would be included in the CEMP for use during construction and operation of the proposal. An unexpected find is potential contamination that was not previously identified during this contamination assessment, or other investigations conducted for the project. Project workers would be trained in identifying:

- soil that appears to be contaminated based on visual and olfactory (odour) assessment
- ACM (i.e. either bonded or friable asbestos)
- evidence of contamination such as fuel and chemical spills, sheep/cattle dips, etc.
- groundwater or surface water that appears to be contaminated based on visual and olfactory (odour) assessment (including sheens or abnormal discolouration on the water surface, free phase liquids such as petroleum fuel, etc.)
- potentially contaminating infrastructure (such as historical building structures potentially containing hazardous materials)
- fill containing wastes (e.g. historic waste burials, stockpiled waste and refuse).

In the event of an unexpected contamination find:

- excavation works would temporarily be suspended at the location of the unexpected find, the environment manager contacted and the area of concern appropriately isolated
- the area would be inspected by a contaminated land consultant and if required, appropriate sampling and analysis would be undertaken with the sampling activities documented in a report
- workplace health and safety and environmental protection requirements would be reviewed, depending on the type of unexpected finds encountered.

6.2.7 Summary of construction mitigation measures

Measures that would be implemented to mitigate potential contamination impacts identified during construction are outlined in Table 6.1.

Table 6.1 Construction mitigation measures

Impact	Mitigation measure	Timing
Contaminated lands	A spoil management plan (SMP) would be prepared as part of the CEMP. The plan would include, but not be limited to consideration of: • capture and management of any surface runoff contaminated by exposure to the contaminated land • further investigations required to evaluate the extent, concentration, and type of contamination, as identified in this PSI and any subsequent investigations • management of the remediation and subsequent validation of the contaminated land, including any certification required • measures to ensure the safety of site personnel and local communities during construction • complete pre- and post-construction site assessments in areas to be used for project office compounds, depots or laydown areas in accordance with the ASC NEPM • process for tracking excavated material and waste. Potentially contaminated areas directly affected by the project would be investigated and managed in accordance with the requirements of guidance endorsed under section 105 of the CLM Act. This includes further investigations in areas of potential contamination identified in the construction envelope. If contamination is posing a risk to human or ecological receptors is identified, a remediation action plan (RAP) would be prepared and implemented.	Pre-construction Construction
Contaminated lands	The CSWMP would include procedures to manage potentially contaminated stormwater runoff.	Pre-construction Construction
Unexpected finds	The discovery of previously unidentified contaminated material would be managed in accordance with an unexpected contamination finds procedure. The procedure would include: • cease work in the vicinity • initial assessment by an appropriately qualified environmental consultant • further assessment and management of contamination, if confirmed, in accordance with section 105 of the CLM Act.	Pre-construction Construction
Handling of hazardous materials	Asbestos handling and management would be undertaken in accordance with an AMP (as part of the work health and safety plan).	Pre-construction Construction
Accidental spill	A site-specific emergency spill plan would be developed, which would include spill management measures in accordance with relevant EPA guidelines. The plan would address measures to be implemented in the event of a spill, including initial response and containment, notification of emergency services and relevant authorities.	Pre-construction Construction Operation
Spill management	Activities with the potential for spillage of hydrocarbon and other chemicals (such as refuelling and washing down of plant and equipment) would be undertaken away from water courses or in any location which drains directly to waters with appropriate temporary bunding. Storage of fuels, oils and chemicals would be stored in suitably bunded areas in accordance with relevant legislation and Australian standards. Refuelling operations would not be left unattended.	Pre-construction Construction Operation

Impact	Mitigation measure	Timing
Use of hazardous materials	The use of hazardous materials would be undertaken following a risk assessment in accordance with the project construction hazard and risk management plan (CHRMP). Risk assessments would include an environmental assessment to determine whether it is practical to use a chemical with a lower hazard level and the key controls to be implemented prior to use.	Pre-construction Construction Operation

6.2.8 Operational environmental management plan

An OEMP would be developed to manage potential impacts to the surrounding environment during operation of the project after the project works are complete. The OEMP would be a 'live' document with the capacity to be updated if conditions are different to those expected and would include provision for the management of environmental incidents (including leaks and spills) associated with the use of chemicals and hydrocarbons, which may occur during operation of the project.

7 Conclusions and recommendations

7.1 Conclusions

Areas of potential contamination were identified by reviewing available relevant historical information, the environmental setting and two site inspections. This information was used to assess potential contaminants, exposure mechanisms, pathways and potentially affected media as outlined in the CSM.

Based on the review of the existing environment and previous investigations, areas of potential contamination sources identified within the construction envelope were identified to be low risk, except for the following areas which were identified as presenting a moderate contamination risk.

Road upgrade areas:

- The Shell Service Station at the intersection of Magpie Hollow Road and Great Western Highway is a potential contamination source and has been listed as a notified contaminated site by the EPA. Therefore, there is a moderate risk for soil and/or groundwater contamination to exist within the vicinity of the service station.

Town camp:

- Fill material of unknown origin has been used to fill the quarry, approximately 2.1 ha, between 1968 and 1975 according to historical aerials, within the northern section of the Town camp. No documentation has been provided stating the origin of the fill material; therefore the contamination status is unknown.
- Several soil stockpiles were identified throughout the Town camp with a large stockpile area located within the northern section, estimated to comprise a volume of approximately 21,000 m^3. Two soil stockpiles of unknown origin were also observed within the southern portion of Town camp.
- A fill emplacement area and associated ground disturbance encompassing an estimated 2.2 ha was observed adjacent to and intersecting the south-western area of the Town camp.
- Intensive market garden activities have occurred within the southern portion of the Town camp which could have resulted in residual contamination of the soil within this area.
- Two areas of the Town camp, including the northern section and an area to the south-west, were reported as areas of known contamination by Council. No further information was provided regarding the nature of the contamination within any of the documents provided for review.

7.2 Recommendations

7.2.1 Early works and construction

The key management measures for the early works construction of the project include:

- development of appropriate project documentation (e.g. CEMP incorporating SMP and CSWMP) to form requirements for the management of contamination identified during the early works and construction phases of the project
- testing and characterisation of spoil prior to permanent placement within infill areas
- assessment of sediment conditions within proposed disturbance and excavation areas would be beneficial to inform the usage of this material during construction, if it is intended to be excavated and reused in other areas

- intrusive investigations should be undertaken at the northern end of Magpie Hollow Road in the vicinity of the Shell Service Station, prior to undertaking any ground disturbance works within the area
- it is recommended that a detailed site investigation (DSI) is undertaken at the Town camp to assess suitability for the proposed accommodation camp
- temporary construction laydown areas are to be created to store materials, spoil and equipment as well as provide space for other ancillary facilities such as site offices. The laydown areas would be used to stockpile material from excavation activities. Stockpiling would be ongoing for the duration of the excavation works. Stockpiling activities would be managed by adopting appropriate erosion and sediment controls in accordance with Managing Urban Stormwater: Soils and Construction (Landcom 2004) (The Blue Book).

7.2.2 Operation

In addition to the early works and construction recommendations, development of an OEMP may be required to manage contamination during the operation of the project.

While operational impacts associated with the project are not considered to present a significant risk, they would need to be documented in the OEMP to ensure appropriate management actions are documented in the event of an incidence of environmental harm occurring.

References

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Narla Environmental. 2021. Ecological Constraints Assessment Report, Pottery Estate, Lithgow NSW 2790

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NSW DEC (2007). Guidelines for the Assessment and Management of Groundwater Contamination

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NSW Environment Protection Authority (EPA) 2016. Environmental Guidelines: Solid Waste Landfills, Second Edition

NSW Environment Protection Authority (EPA) 2017. Contaminated Land Management Guidelines for the Site Auditor Scheme (3rd Edition)

NSW Environment Protection Authority (EPA) 2020, Guidelines for consultants reporting on contaminated land

Protection of the Environment Operations Act 1997 (NSW) (POEO Act)

Safe Work Australia 2018, Workplace Exposure Standards for Airborne Contaminants, 27 April 2018

State Environmental Planning Policy (Resilience and Hazards) 2021

Workplace Health and Safety Act 2011

Abbreviations

Term	Definition
ACM	Asbestos containing material
AHD	Australian height datum
AMP	Asbestos management plan
ASC	Assessment of Site Contamination
ASS	Acid sulfate soils
AST	Above-ground storage tank
BTEXN	Benzene, Toluene, Ethylene, Xylene and Naphthalene
CEMP	Construction environmental management plan
CLM Act	*Contaminated Land Management Act 1997* (NSW)
CLMP	Contamination Land Management Plan
CoPC	Contaminants of potential concern
CSM	Conceptual site model
CSWMP	Construction Soil and Water Management Plan
DCA	Defence Controlled Areas
DCP	Development control plan
DIAA	Design integration and assessment
DP	Deposited plan
DPE	Department of Planning and Environment
EC	Electrical conductivity
EHC Act	*Environmentally Hazardous Chemicals Act 1985* (NSW)
EIS	Environmental impact statement
EMM	EMM Consulting Pty Ltd
EPA	Environment Protection Authority
EPBC Act	*Commonwealth Environment Protection and Biodiversity Conservation Act 1999*
GDE	Groundwater dependant ecosystem
ha	Hectare
IDE	Inflow Dependent Ecosystems
ISQG	interim sediment quality guidelines
Km	kilometres
LOR	Limit of reporting
m AHD	metres Australian Height Datum
MW	megawatt

Term	Definition
MWh	megawatt hours
NAG	Net acid generation
UXO	Unexploded Ordnance
NEM	National Energy Market
NEPC	National Environment Protection Council
NEPM	National Environmental Protection (Assessment of Site Contamination) Measure, as amended (2013)
NORM	Naturally occurring radioactive material
NOW	NSW Office of Water
NSW	New South Wales
OCP/OPP	Organochlorine Pesticides/Organophosphorus Pesticides
OEMP	Operational environmental management plan
PCBs	Polychlorinated Biphenyls
PFAS	Per- and polyfluoroalkyl substances
PHES	Pumped Hydro Energy Storage
POEO Act	*Protection of the Environment Operations Act 1997* (NSW)
PSI	Preliminary site investigation
RCIP	Regional Contamination Investigation Program
SEARs	Secretary's environment assessment requirements
SES	State Emergency Services
TRH	Total Recoverable Hydrocarbons
UST	Underground storage tank
VENM	Virgin excavated natural material

Annexure A

Database search results

EMM
creating opportunities



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 07 Jul 2025 15:33:30

Reference: LS086747 EP

Address: Pottery Estate, Lake Lyell, NSW 2790

Disclaimer:
The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features.
You should obtain independent advice before you make any decision based on the information within the report.
The detailed terms applicable to use of this report are set out at the end of this report.

Dataset Listing

Datasets contained within this report, detailing their source and data currency:

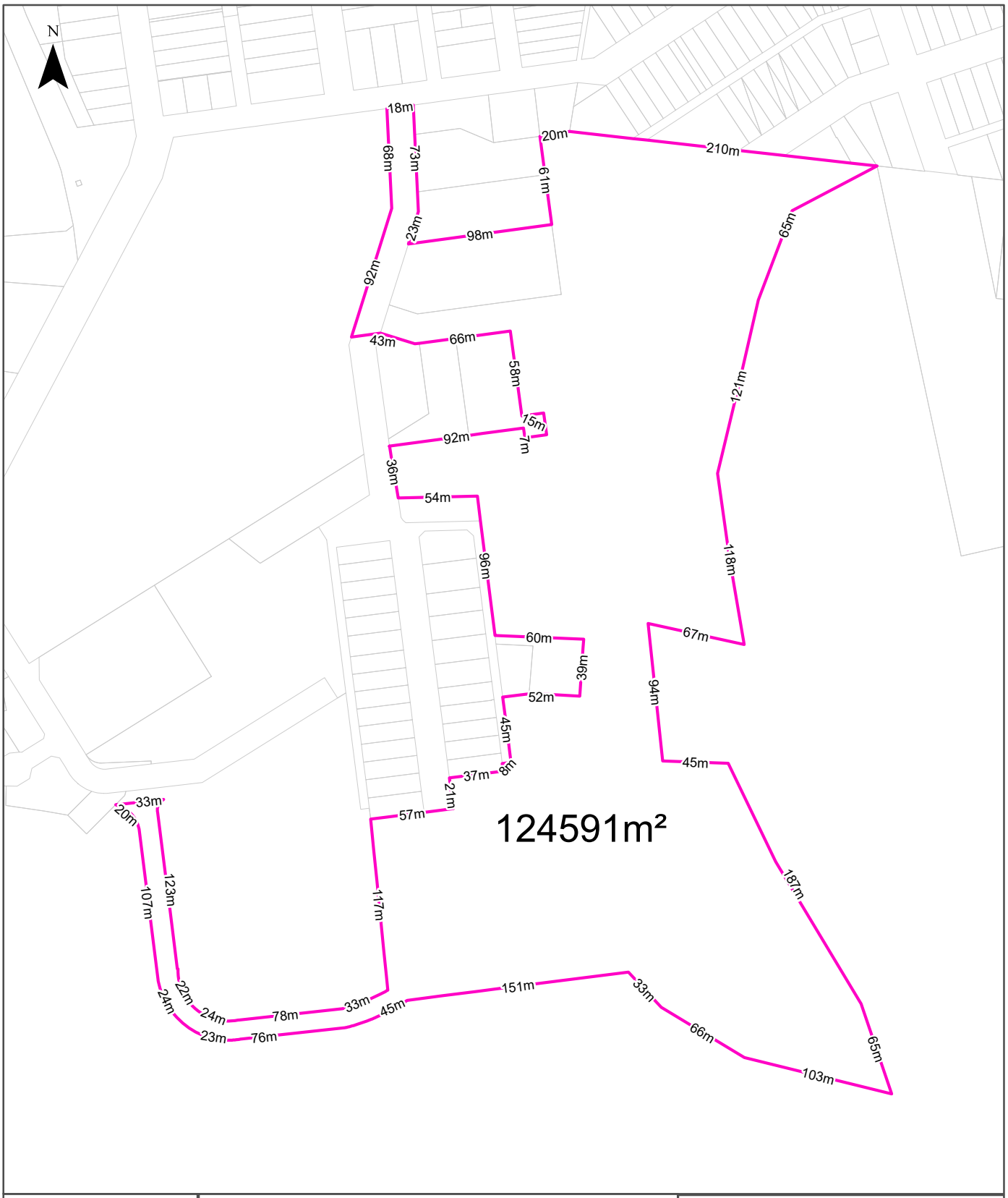
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	24/06/2025	24/06/2025	Monthly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	20/05/2025	20/05/2025	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority NSW	10/06/2025	08/05/2025	Monthly	1000m	0	0	3
Contaminated Land Records of Notice	Environment Protection Authority NSW	11/06/2025	11/06/2025	Monthly	1000m	0	0	1
Former Gasworks	Environment Protection Authority NSW	20/05/2025	15/05/2025	Quarterly	1000m	0	0	1
Notices under the POEO Act 1997	Environment Protection Authority NSW	30/06/2025	30/06/2025	Monthly	1000m	0	0	2
National Waste Management Facilities Database	Geoscience Australia	30/05/2025	19/01/2023	Annually	1000m	0	1	2
National Liquid Fuel Facilities	Geoscience Australia	16/10/2024	19/01/2023	Annually	1000m	0	0	2
EPA PFAS Investigation Program	Environment Protection Authority NSW	30/06/2025	05/02/2025	Monthly	2000m	0	0	1
Defence PFAS Investigation & Management Program - Investigation Sites	Australian Department of Defence	11/06/2025	11/06/2025	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Australian Department of Defence	11/06/2025	11/06/2025	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	11/06/2025	21/05/2025	Monthly	2000m	0	0	0
Defence Controlled Areas	Australian Department of Defence	10/04/2025	10/04/2025	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Australian Department of Defence	11/06/2025	02/09/2022	Quarterly	2000m	0	0	0
National Unexploded Ordnance (UXO)	Australian Department of Defence	10/04/2025	10/04/2025	Quarterly	2000m	0	0	1
EPA Other Sites with Contamination Issues	Environment Protection Authority NSW	28/11/2024	15/12/2022	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	0	0	1
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	3	3	3
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	0	20	26
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	19	26
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	23
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	2	31
Points of Interest	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	6	71
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	0	5
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	0	1
Major Easements	NSW Department of Customer Service - Spatial Services	20/05/2025	20/05/2025	Quarterly	1000m	0	1	4
State Forest	Forestry Corporation of NSW	18/12/2024	11/11/2024	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Geoscience Australia	22/04/2025	19/08/2019	Annually	1000m	1	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024	NSW Department of Climate Change, Energy, the Environment and Water	13/05/2025	28/06/2024	Quarterly	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	30/05/2025	04/03/2025	Annually	2000m	4	4	53
NSW Seamless Geology Single Layer: Rock Units	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	1	2	6
NSW Seamless Geology Single Layer: Geological Boundaries and Faults	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Trendlines	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Fold Axes	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
Naturally Occurring Asbestos Potential	NSW Department of Primary Industries and Regional Development	05/05/2025	30/09/2015	Annually	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	15/01/2025	17/02/2011	Annually	1000m	1	1	2
Soil Landscapes of Central and Eastern NSW	NSW Department of Climate Change, Energy, the Environment and Water	18/12/2024	27/07/2020	Annually	1000m	2	3	10
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Housing and Infrastructure	26/06/2025	09/05/2025	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	15/01/2025	21/02/2013	Annually	1000m	1	1	2
Dryland Salinity - National Assessment	Australian Bureau of Agricultural and Resource Economics and Sciences	03/06/2025	15/04/2025	Annually	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service	20/05/2025	20/05/2025	Quarterly	1000m	1	1	2
Current Mining Titles	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	5	5	8
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Housing and Infrastructure	26/06/2025	08/09/2023	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Housing and Infrastructure	26/06/2025	13/06/2025	Monthly	1000m	3	5	29
Commonwealth Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	2
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	20/05/2025	21/03/2025	Quarterly	1000m	1	1	5
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Housing and Infrastructure	26/06/2025	13/06/2025	Monthly	1000m	2	5	71
Bush Fire Prone Land	NSW Rural Fire Service	24/06/2025	23/06/2025	Monthly	1000m	3	3	3
NSW Native Vegetation Type Map	NSW Department of Climate Change, Energy, the Environment and Water	28/05/2025	04/10/2024	Quarterly	1000m	4	4	80
Ramsar Wetlands of Australia	Australian Department of Climate Change, Energy, the Environment and Water	19/05/2025	05/03/2025	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Terrestrial	Australian Department of Climate Change, Energy, The Environment and Water	20/03/2025	19/06/2024	Annually	1000m	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Marine	Australian Department of Climate Change, Energy, The Environment and Water	20/03/2025	30/06/2022	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	30/05/2025	07/05/2020	Annually	1000m	1	1	1
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	30/05/2025	07/05/2020	Annually	1000m	2	4	6
NSW BioNet Species Sightings	NSW Department of Climate Change, Energy, the Environment and Water	13/06/2025	13/06/2025	Monthly	10000m	-	-	-

Site Diagram

Pottery Estate, Lake Lyell, NSW 2790



Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 124591m²

Total Perimeter: 3.42km

Scale: 0 25 50 100 150 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Disclaimers:

Measurements are approximate only and may have been simplified or smaller lengths removed for readability.

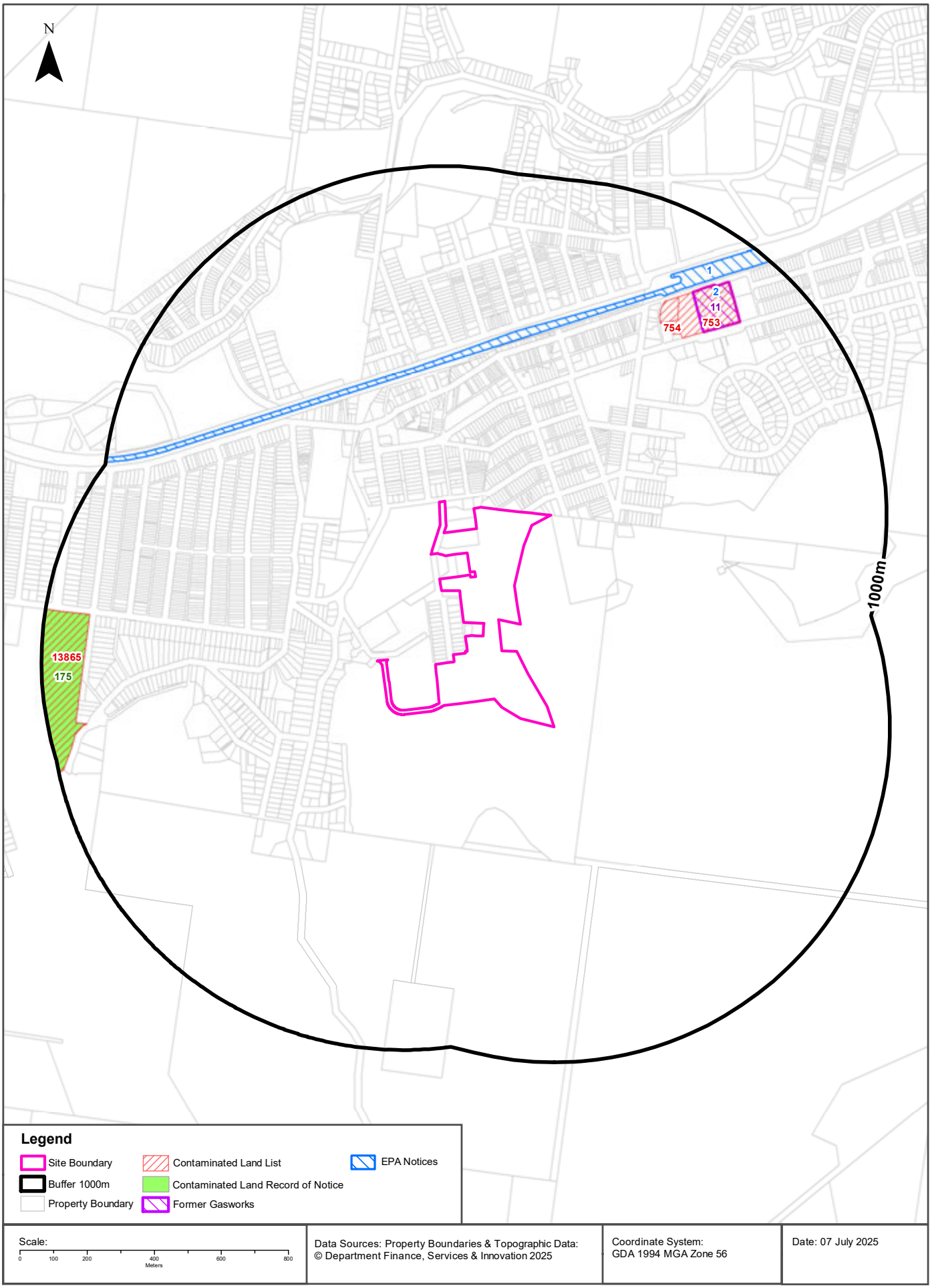
Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Contaminated Land

Pottery Estate, Lake Lyell, NSW 2790



Contaminated Land

Pottery Estate, Lake Lyell, NSW 2790

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist	Direction
753	Former Gasworks	Mort Street	Lithgow	Gasworks	Regulation under CLM Act not required	Current EPA List	Premise Match	651m	North East
754	Former Shell CVRO and Depot	77 Bridge Street and 6 Gas Works LANE	Lithgow	Other Petroleum	Regulation under CLM Act not required	Current EPA List	Premise Match	658m	North East
13865	Lithgow Small Arms Factory	4 Martini PARADE	LITHGOW	Metal Industry	Under assessment	Current EPA List	Premise Match	867m	West

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
175	Lithgow Small Arms Factory	4 Martini Parade	LITHGOW	1 former	3346	Premise Match	867m	West

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit
http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
11	Gasworks Lane, Lithgow	City of Lithgow Council	Contact council	Premise Match	711m	North East

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

EPA Notices

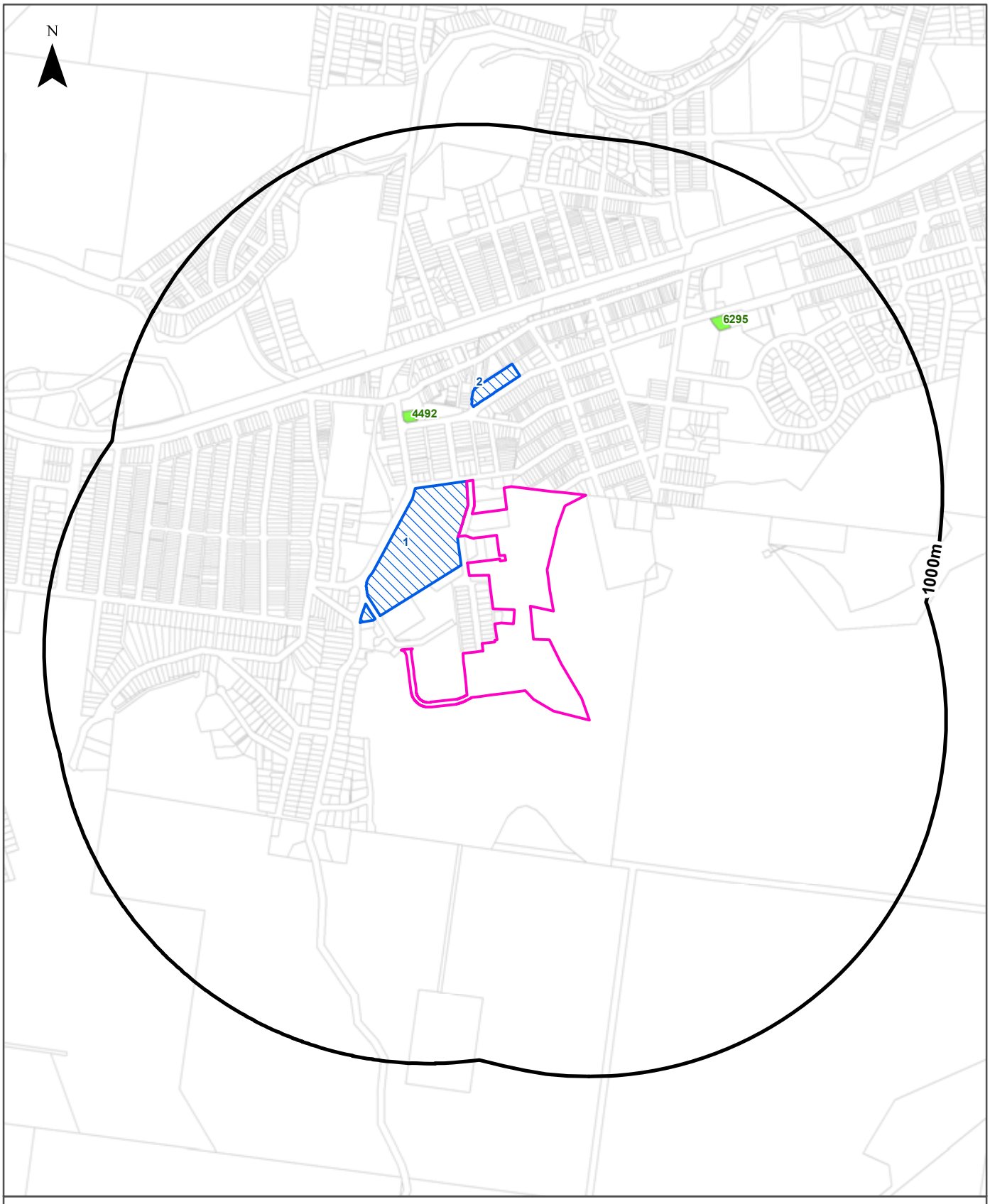
Penalty Notices, s.91 & s.92 Clean up Notices and s.96 Prevention Notices within the dataset buffer:

Map ID	Number	Type	Name	Address	Status	Issued Date	Act	Offence	Offence Date	Loc Conf	Dist	Dir
1	3173530755	Penalty Notice	SYDNEY TRAINS	SYDNEY TRAINS, HAYMARKET, NSW 1238	Issued	10/11/2021	Protection of the Environment Operations Act 1997 - 64(1)	Contravene condition of licence - Corporation	31/05/2021	Network of Features	392m	North
2	1124453	s.91 Clean Up Notice	CITY OF LITHGOW COUNCIL		Issued	22/02/2011				Premise Match	711m	North East

NSW EPA Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

Pottery Estate, Lake Lyell, NSW 2790



Legend

- Site Boundary
- Buffer 1000m
- Property Boundary
- Waste Management Facilities
- National Liquid Fuel Facilities

Scale:	Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025	Coordinate System: GDA 1994 MGA Zone 56	Date: 07 July 2025

Waste Management & Liquid Fuel Facilities

Pottery Estate, Lake Lyell, NSW 2790

National Waste Management Facilities Database

Sites on the National Waste Management Facilities Database within the dataset buffer:

Map ID	Owner	Name	Address	Management Type	Facility Type	Status	Loc Conf	Dist	Dir
1	COLES	COLES SUPERMARKET	71 BENT STREET, POTTERY ESTATE	DROP-OFF	SOFT PLASTICS DROP-OFF FACILITY	OPERATIONAL	Premise Match	0m	North West
2	WOOLWORTHS	WOOLWORTHS SUPERMARKET	232-234 MORT STREET, LITHGOW	DROP-OFF	SOFT PLASTICS DROP-OFF FACILITY	OPERATIONAL	Premise Match	207m	North

Source: Waste Management Facilities Database
Creative Commons 4.0 © Commonwealth of Australia (Geoscience Australia) 2022

National Liquid Fuel Facilities

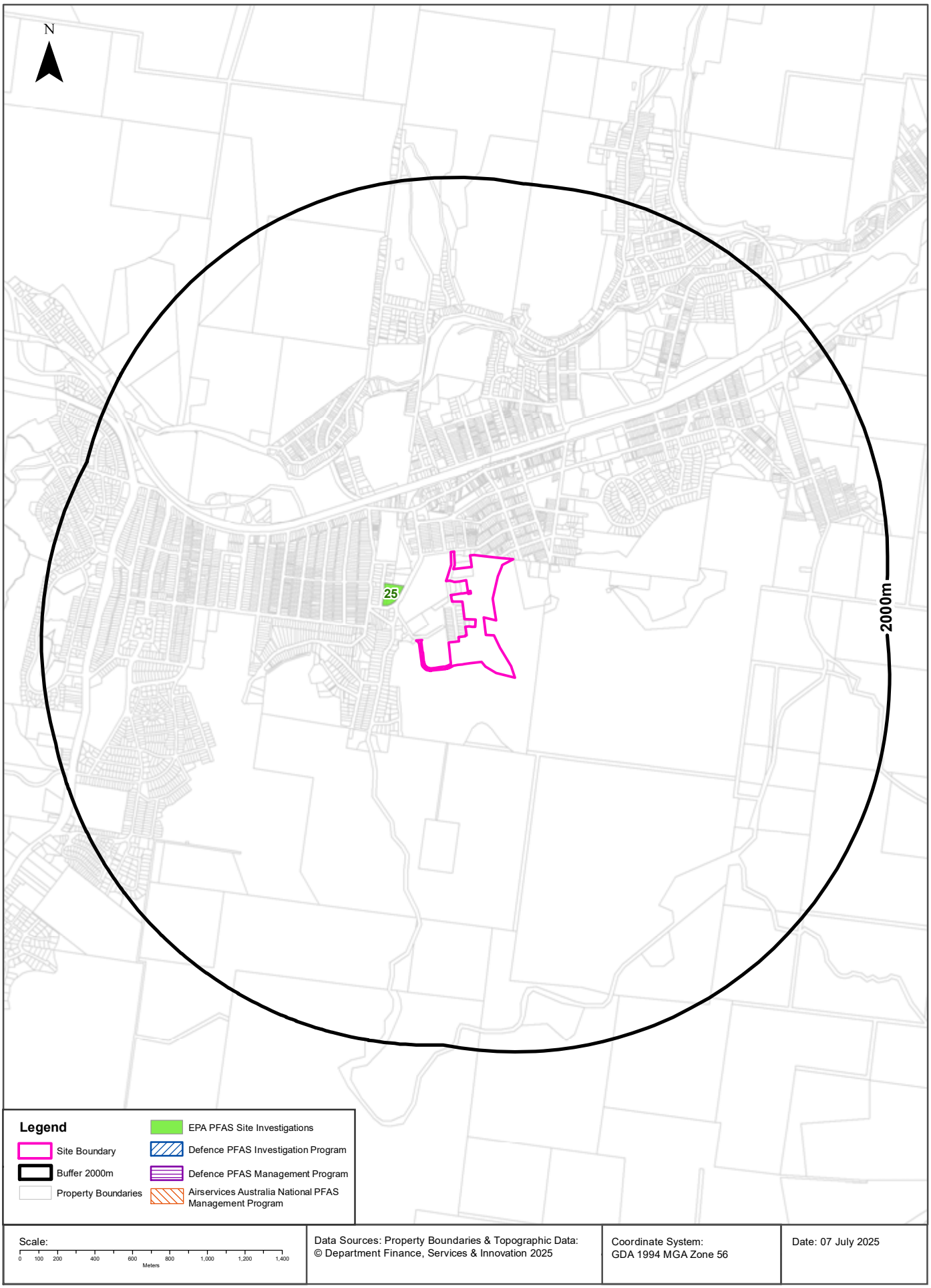
National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Direction
4492	CALTEX WOOLWORTHS	CALTEX WOOLWORTHS LITHGOW	41 LITHGOW STREET	LITHGOW	PETROL STATION	Operational		25/07/2011	Premise Match	220m	North West
6295	ENHANCE	ENHANCE LITHGOW	151 MORT STREET	LITHGOW	PETROL STATION	OPERATIONAL			Premise Match	594m	North East

National Liquid Fuel Facilities Data Source: Geoscience Australia
Creative Commons 4.0 © Commonwealth of Australia

PFAS Investigation & Management Programs

Pottery Estate, Lake Lyell, NSW 2790



PFAS Investigation & Management Programs

Pottery Estate, Lake Lyell, NSW 2790

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Map ID	Site	Address	Loc Conf	Dist	Dir
25	Lithgow: Mines Rescue	3 Proto Ave, Lithgow NSW 2790	Premise Match	228m	West

EPA PFAS Investigation Program: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

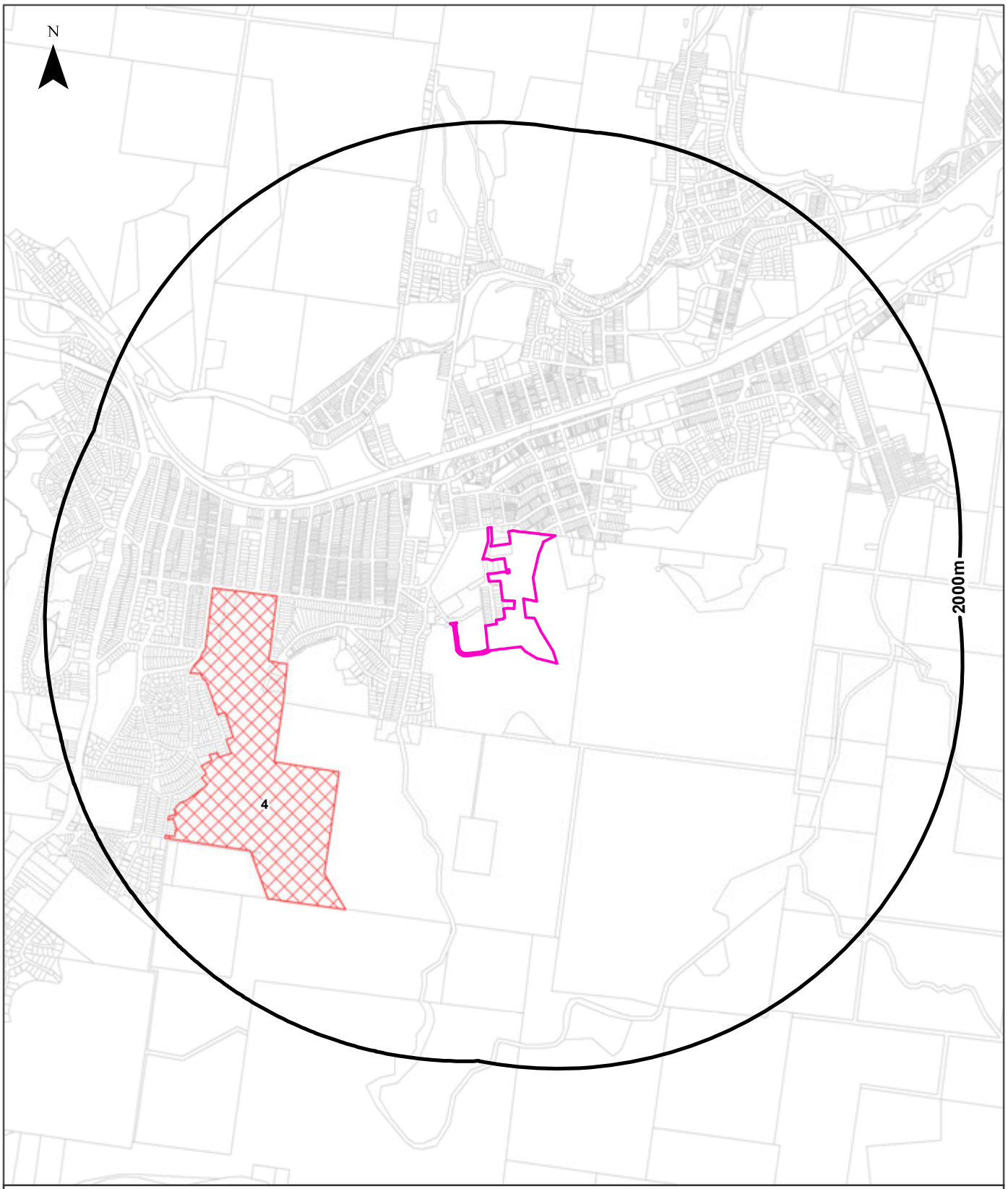
Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites and Unexploded Ordnance

Pottery Estate, Lake Lyell, NSW 2790



Legend

- Site Boundary
- Buffer 2000m
- Property Boundaries

DCA

- Defence Controlled Area

Defence 3 Year RCIP

- Known Contamination
- No Known Contamination

UXO

- Substantial Potential
- Slight Potential
- Remote Potential
- Sea Dumping of Depth Charges
- Information
- Other
- Other Sea Dumping Sites

Scale:	Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025	Coordinate System: GDA 1994 MGA Zone 56	Date: 07 July 2025

Scale: 0 200 400 800 1,200 Meters

Defence Sites and Unexploded Ordnance

Pottery Estate, Lake Lyell, NSW 2790

Defence Controlled Areas (DCA)

Defence Controlled Areas provided by the Department of Defence within the dataset buffer:

Site ID	Location Name	Loc Conf	Dist	Dir
N/A	No records in buffer			

Defence Controlled Areas, Data Custodian: Department of Defence, Australian Government

Defence 3 Year Regional Contamination Investigation Program (RCIP)

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

National Unexploded Ordnance (UXO)

Sites which have been assessed by the Department of Defence for the potential presence of unexploded ordnance within the dataset buffer:

Site ID	Location Name	Category	Area Description	Additional Information	Commonwealth	Loc Conf	Dist	Dir
4	Lithgow	Substantial Potential	This site is part of the Lithgow Small Arms Factory, but larger explosives have also been used on it.		Not Commonwealth Land	As Supplied	830m	South West

National Unexploded Ordnance (UXO), Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

Pottery Estate, Lake Lyell, NSW 2790

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasminco Lead Abatement Strategy Area

Sites within the dataset buffer:

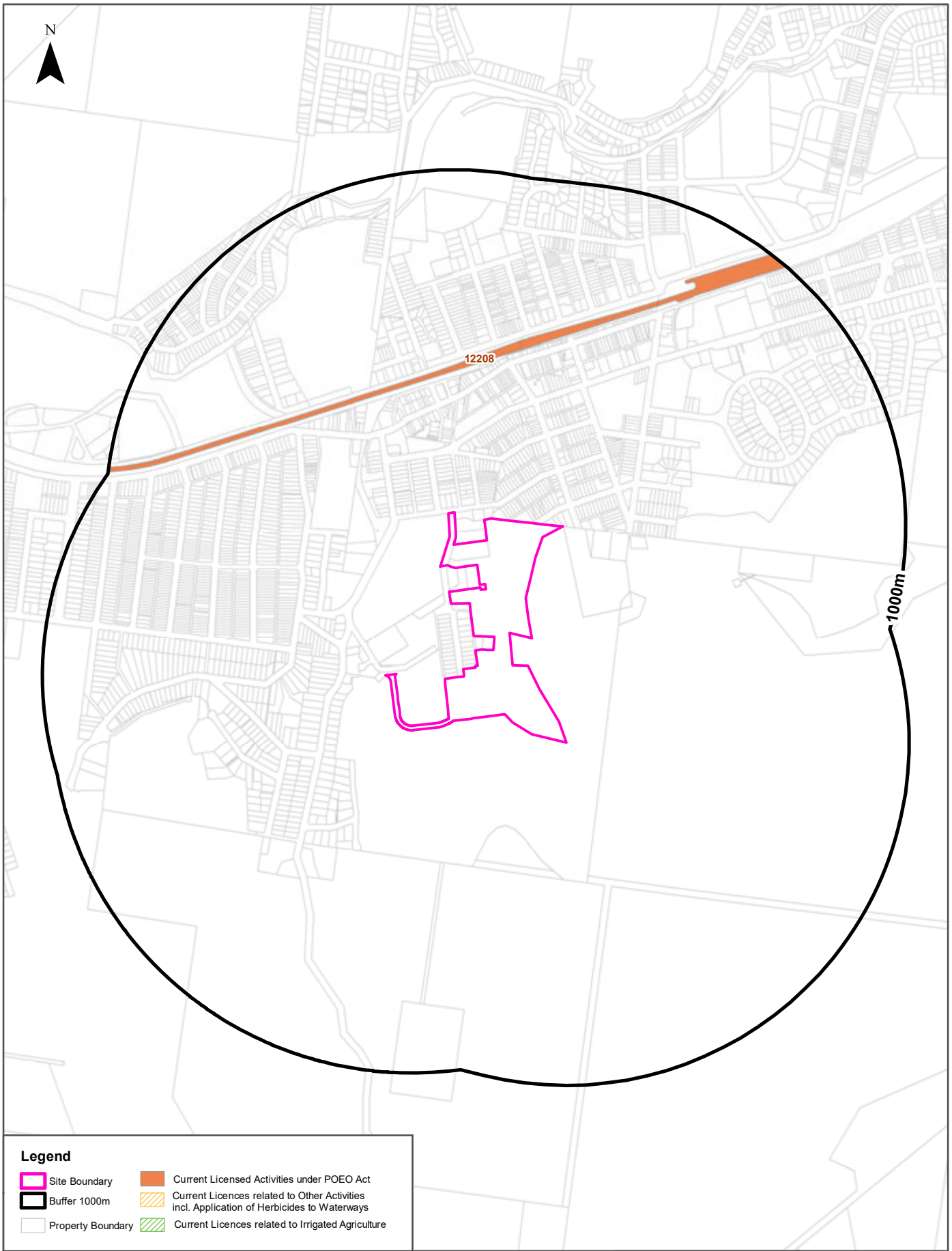
Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Current EPA Licensed Activities

Pottery Estate, Lake Lyell, NSW 2790



EPA Activities

Pottery Estate, Lake Lyell, NSW 2790

Licensed Activities under the POEO Act 1997

Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

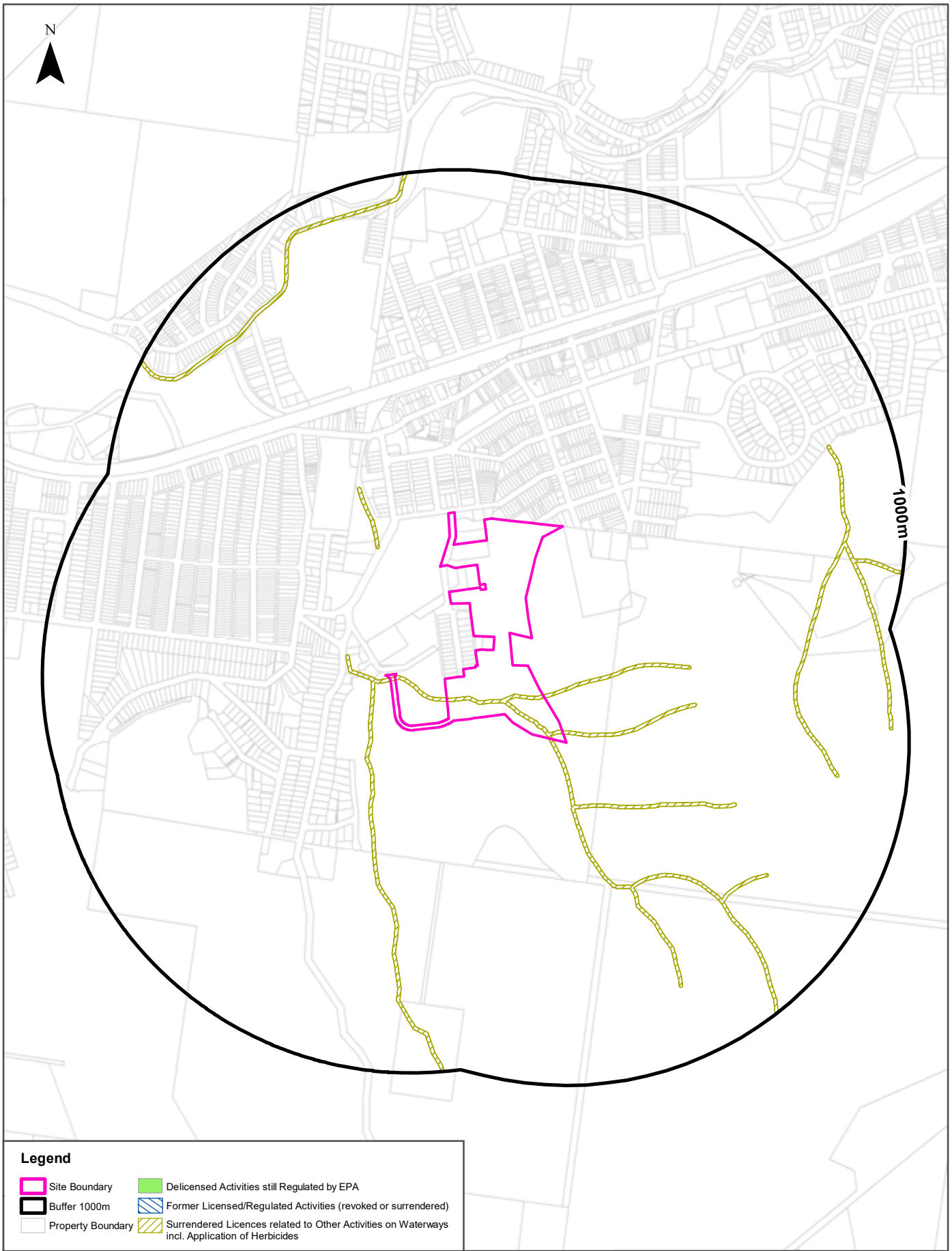
EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
12208	SYDNEY TRAINS		SYDNEY TRAINS, HAYMARKET, NSW 1238		Railway systems activities	Network of Features	392m	North

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

Pottery Estate, Lake Lyell, NSW 2790



EPA Activities

Pottery Estate, Lake Lyell, NSW 2790

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

Delicensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

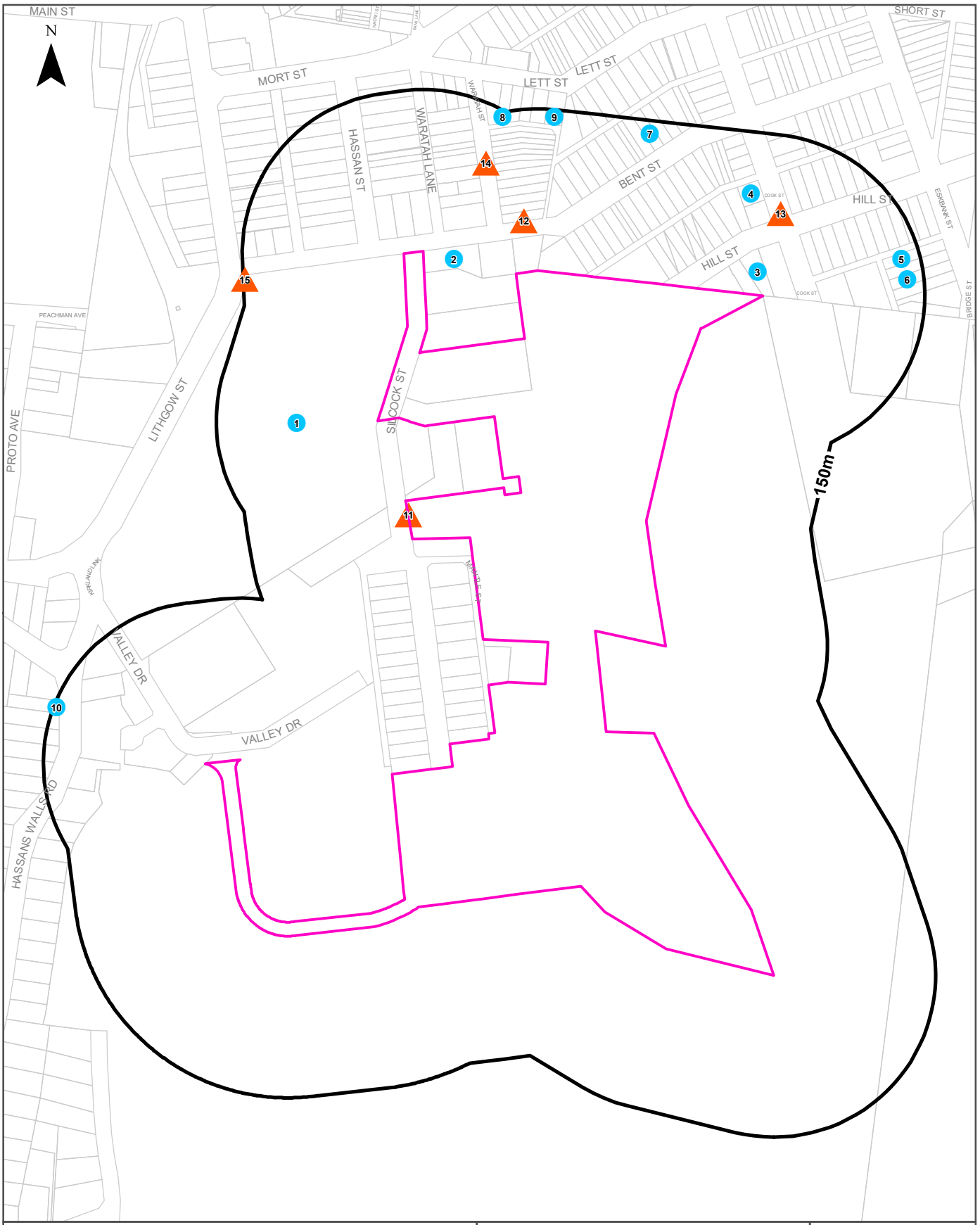
Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site

Former Licensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Historical Business Directories

Pottery Estate, Lake Lyell, NSW 2790



Legend

- Site Boundary
- Buffer 150m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 60 120 180 240 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
Property Boundaries © NSW Department Finance, Services & Innovation 2025

Historical Business Directories

Pottery Estate, Lake Lyell, NSW 2790

Business Directory Records 1950-1991
Premise or Road Intersection Matches

Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	CAKE SHOPS &/OR PASTRYCOOKS	Bill's Bakery Pty. Ltd., Shop 11 Valley Shopping Centre Lithgow St., Lithgow 2790	127413	1991	Premise Match	0m	North West
	BAKERS	Bill's Bakery Pty. Ltd., Shop 11 Valley Shopping Centre, Lithgow St., Lithgow 2790	127374	1991	Premise Match	0m	North West
	SCREEN PRINTERS	Everts Jean Barn., Shop 13, Valley Shopping Centre, Lithgow St., Lithgow 2790	128268	1991	Premise Match	0m	North West
	CREDIT UNIONS	Lithgow Mutual Credit Union., Shop 10 Valley Shopping Centre, Lithgow 2790	127464	1991	Premise Match	0m	North West
	CHEMISTS-PHARMACEUTICAL	Lithgow Valley Pharmacy., Shop 2 Valley Shopping Centre Lithgow St., Lithgow 2790	127428	1991	Premise Match	0m	North West
	DETERGENT MFRS. &/OR DISTS.	Soap Collection. The., Shop 9 Valley Shopping Centre Lithgow St., Lithgow 2790	127476	1991	Premise Match	0m	North West
	SOAP MFRS. &/OR DISTS	Soap Collection. The., Shop 9 Valley Shopping Centre, Lithgow St., Lithgow 2790	121260	1991	Premise Match	0m	North West
	COMPUTER SALES &/OR SERVICES	Sounds Incorporated., Shop 15 Valley Shopping Centre Lithgow St., Lithgow 2790	127459	1991	Premise Match	0m	North West
	MOTOR CAR RADIO MFRS. &/OR IMPS. &/OR DISTS.	Sounds Incorporated., Shop 15 Valley Shopping Centre Lithgow St., Lithgow 2790	128146	1991	Premise Match	0m	North West
	HI-FIDELITY EQUIPMENT SALES &/OR SERVICE	Sounds Incorporated., Shop 15 Valley Shopping Centre, Lithgow St, Lithgow 2790	128052	1991	Premise Match	0m	North West
	RECORD &/OR CASSETTE BARS	Sounds Incorporated., Shop 15 Valley Shopping Centre, Lithgow St., Lithgow 2790	128249	1991	Premise Match	0m	North West
	BUTCHERS - WHOLESALE	Valley Meats, Shop 24 Valley Shopping Centre Lithgow St., Lithgow 2790	127404	1991	Premise Match	0m	North West
	JEWELLERS &/OR WATCHMAKERS- RETAIL.	Lithgow Jewellers, Shop 20 Valley Shopping Centre, Lithgow St., Lithgow 2790	131605	1982	Premise Match	0m	North West
	CHEMISTS PHARMACEUTICAL.	Lithgow Valley Chem-Mart Chemist, Shop 2 Valley Shopping Centre, Lithgow St., Lithgow 2790	131427	1982	Premise Match	0m	North West
	DETERGENTS, DISINFECTANTS, CLEANING AIDS, MFRS. &/OR DISTS	Soap Collection. (Lithgow), The, Shop 9 Valley Shopping Centre, Lithgow St., Lithgow 2790	131475	1982	Premise Match	0m	North West
2	COLLIERY PROPRIETORS	Coalex Pty. Ltd., 69 Bent St., Lithgow 2790	131458	1982	Premise Match	0m	North
3	HAULAGE CONTRACTORS	Austen, R., 55 Hill St., Lithgow	213059	1961	Premise Match	0m	North East
4	WELDERS-OXY & ELECTRIC	Wardman, J., 8-10 Cook St. Lithgow	121843	1950	Premise Match	80m	North East
	MOTOR ACCESSORIES & SPARE PARTS DEALERS	Wardman, Jack, 8-10 Cook St. Lithgow	121605	1950	Premise Match	80m	North East
	MOTOR TOWING SERVICES	Wardman, Jack, 8-10 Cook St. Lithgow	121677	1950	Premise Match	80m	North East
5	TAXIS & TAXI TRUCKS	Oldfield P. J., 12 Esk St. Lithgow	121803	1950	Premise Match	115m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
6	TAXIS & HIRE CARS	Oldfieid, P. J., 8 Esk St., Lithgow	213375	1961	Premise Match	118m	North East
7	PLUMBERS, GASFITTERS & DRAINLAYERS	Quinn, T. C., 36 Bent St. Lithgow 2790	543780	1970	Premise Match	122m	North
8	PAINTERS, PAPERHANGERS &/OR DECORATORS	Bilby, F. J., 65 Lett St., Lithgow 2790	131741	1982	Premise Match	136m	North
9	LAUNDRIES	Lithgow Steam Laundry, 57 Lett St. Lithgow	121512	1950	Premise Match	136m	North
10	MOTOR BUS SERVICES	Jones, K., 64 Upper Hassans Walls Rd., Lithgow	213201	1961	Premise Match	143m	West

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Business Directory Records 1950-1991
Road or Area Matches

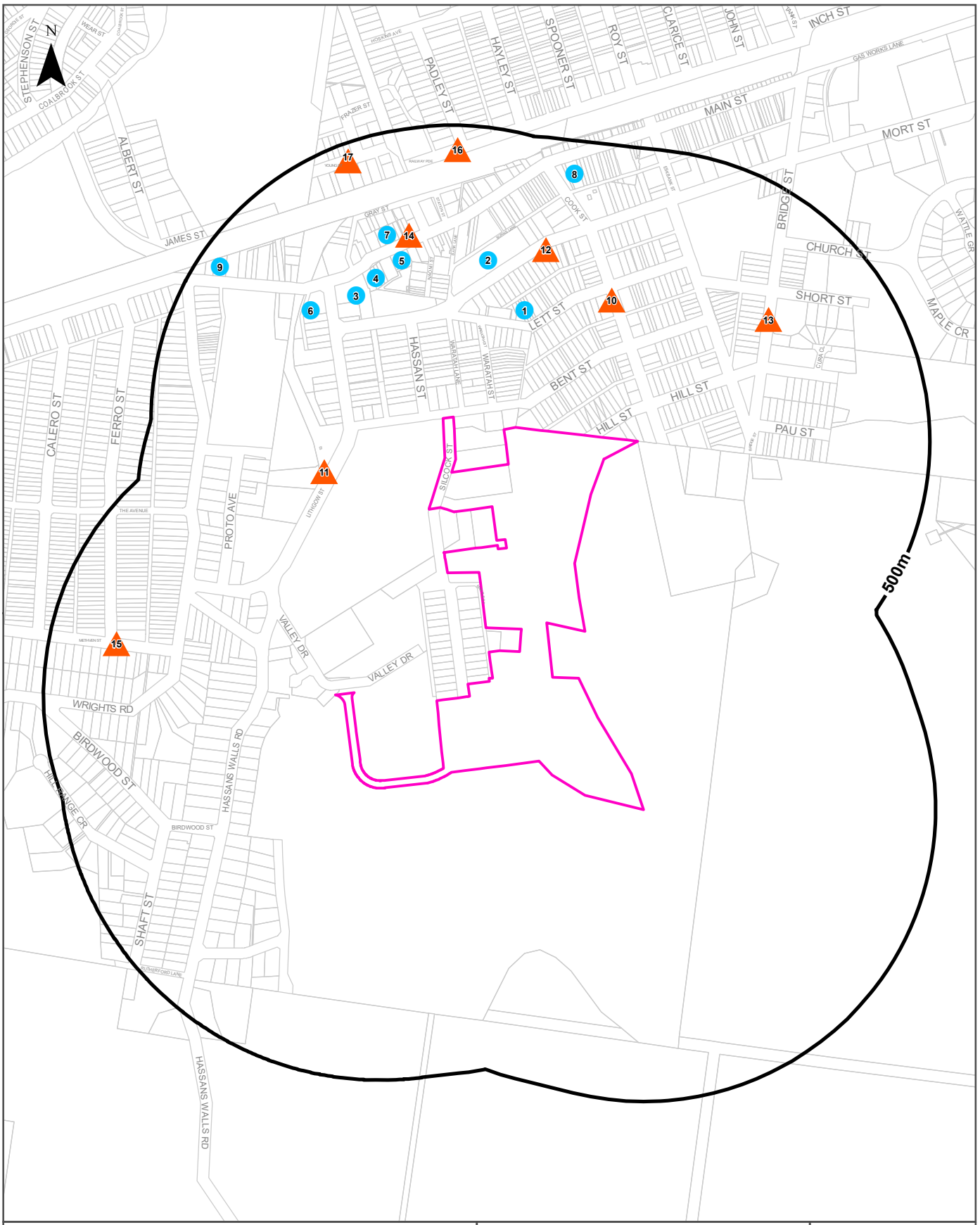
Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
11	MINING COMPANIES	Coalex Pty. Ltd, Silcock St., Lithgow 2790	128114	1991	Road Match	0m
	COLLIERY PROPRIETORS	Coalex Pty. Ltd., Silcock St, Lithgow 2790	127456	1991	Road Match	0m
12	COLLIERY PROPRIETORS	Lithgow Valley Colliery Pty. Ltd., Bent St. Lithgow 2790	543467	1970	Road Match	0m
	COLLIERY PROPRIETORS	Lithgow Valley Colliery Pty. Ltd., Bent St., Lithgow	212901	1961	Road Match	0m
13	AUTO ELECTRICIANS	Morgan Bros (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	127373	1991	Road Match	30m
	ELECTRIC MOTOR WINDING &/OR REWINDING SPECIALISTS	Morgan Bros (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	127495	1991	Road Match	30m
	WELDERS	Morgan Bros (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	121312	1991	Road Match	30m
	MOTOR GARAGES & SERVICE STATIONS	Morgan Bros. (Lithgow) Pty. Ltd, Cook St., Lithgow 2790	128163	1991	Road Match	30m
	MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS	Morgan Bros. (Lithgow) Pty. Ltd, Cook St., Lithgow 2790	128184	1991	Road Match	30m
	ELECTRIC MOTOR WINDING &/OR REWINDING SPECIALISTS	Morgan Bros. (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	131489	1982	Road Match	30m
	MOTOR ELECTRICIANS	Morgan Bros. (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	131678	1982	Road Match	30m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Morgan Bros. (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	131700	1982	Road Match	30m
	MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS	Morgan Bros. (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	131713	1982	Road Match	30m
	WELDERS - ELECTRIC &/OR OXY	Morgan Bros. (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	131853	1982	Road Match	30m
	BROADCASTING STATIONS	Australian Broadcasting Commission (2LG), Cook St. Lithgow 2790	543409	1970	Road Match	30m
	BROADCASTING STATIONS	A.B. Commission (2LG), Cook St., Lithgow	212815	1961	Road Match	30m
	PAINTERS, PAPERHANGERS & DECORATORS	Cellini, F., Cook St., Lithgow	213295	1961	Road Match	30m
	PAINTERS &/OR PAPERHANGERS	Cellini, F., Cook St. Lithgow	121709	1950	Road Match	30m
14	SCRAP METAL MERCHANTS	Hickey, J., Waratah St. Lithgow 2790	543819	1970	Road Match	48m
15	MOTOR GARAGES & SERVICE STATIONS	Starlite Service Centre., Lithgow St, Lithgow 2790	128169	1991	Road Match	146m
	MOTOR ENGINE RECONDITIONERS	Starlite Service Centre., Lithgow St., Lithgow 2790	128150	1991	Road Match	146m
	PLASTERING CONTRACTORS	Jones, A. R., 11 Lithgow St., Lithgow 2790	131761	1982	Road Match	146m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Starlite Service Centre, Lithgow St., Lithgow 2790	131703	1982	Road Match	146m
	SCHOOLS & COLLEGES-PRIVATE & PUBLIC	St. Patrick's, Lithgow St. Lithgow 2790	543814	1970	Road Match	146m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Webster, F. E. & T. J., Lithgow St. Lithgow 2790	543754	1970	Road Match	146m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Jones, Ern & Keith, Lithgow St., Lithgow	213263	1961	Road Match	146m

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Dry Cleaners, Motor Garages & Service Stations

Pottery Estate, Lake Lyell, NSW 2790



Legend

- Site Boundary
- Buffer 500m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 125 250 375 500 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
Property Boundaries © NSW Department Finance, Services & Innovation 2025

Historical Business Directories

Pottery Estate, Lake Lyell, NSW 2790

Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Amos, A., 52 Lett St., Lithgow 2790	131679	1982	Premise Match	183m	North
2	MOTOR GARAGES & ENGINEERS	Evans, A. Pty. Ltd., 218-222 Mort St. Lithgow 2790	543719	1970	Premise Match	207m	North
	MOTOR GARAGES & ENGINEERS	Evans, A. Pty. Ltd., 68 Mort St., Lithgow	213230	1961	Premise Match	207m	North
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Evans, A. Pty. Ltd., 68 Mort St., Lithgow	213260	1961	Premise Match	207m	North
	MOTOR GARAGES & ENGINEERS	Evans, A. (N.R.M.A. Garage), 68-70 Mort St. Lithgow	121642	1950	Premise Match	207m	North
	MOTOR SERVICE STATIONS	Evans, A. (N.R.M.A. Garage), 68-70 Mort St. Lithgow	121672	1950	Premise Match	207m	North
3	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Austen & Butta Motors Pty. Ltd., 209 Main St., Lithgow 2790	131683	1982	Premise Match	209m	North West
4	MOTOR GARAGES & ENGINEERS	Lean & Bennett, 201 Main St. Lithgow 2790	543725	1970	Premise Match	248m	North West
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Egan and Bennet, 215 Main St., Lithgow	213259	1961	Premise Match	248m	North West
	MOTOR GARAGES & ENGINEERS	Lean and Bennet, 215 Main St., Lithgow	213234	1961	Premise Match	248m	North West
5	DRY CLEANERS, PRESSERS & DYERS	New Look Dry Cleaners, 183 Main St. Lithgow 2790	543495	1970	Premise Match	265m	North
	DRY CLEANERS, PRESSERS & DYERS	New Look Dry Cleaners, 203 Main St., Lithgow	212921	1961	Premise Match	265m	North
	DRY CLEANERS, DYERS & PRESSERS	Eckley, J. B., 203 Main St. Lithgow	121310	1950	Premise Match	265m	North
	DRY CLEANERS, DYERS & PRESSERS	New Look Dry Cleaners, 203 Main St. Lithgow	121314	1950	Premise Match	265m	North
6	MOTOR GARAGES & ENGINEERS	Genders Motors Pty. Ltd., 219 Main St. Lithgow 2790	543721	1970	Premise Match	269m	North West
7	DRY CLEANERS, PRESSERS & DYERS	Smith's Dry Cleaners and Clothing Store, 154 Main St., Lithgow	212924	1961	Premise Match	313m	North
8	DRY CLEANERS, PRESSERS & DYERS	Normay's (St. James), 107 Main St. Lithgow 2790	543496	1970	Premise Match	418m	North
	DRY CLEANERS, PRESSERS & DYERS	Normays (St., James), 117 Main St., Lithgow	212922	1961	Premise Match	418m	North
	DRY CLEANERS, DYERS & PRESSERS	Normays (St. James), 117 Main St. Lithgow	121316	1950	Premise Match	418m	North
9	MOTOR GARAGES & SERVICE STATIONS	Esso Servicentre., 220 Main St., Lithgow 2790	128157	1991	Premise Match	445m	North West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Ampol Service Station, 220 Main St., Lithgow 2790	131681	1982	Premise Match	445m	North West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Arnpol Servicenter, 220 Main St., Lithgow 2790	131682	1982	Premise Match	445m	North West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
9	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Service Center, 220 Main St. Lithgow 2790	543749	1970	Premise Match	445m	North West

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Dry Cleaners, Motor Garages & Service Stations
Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
10	MOTOR GARAGES & SERVICE STATIONS	Morgan Bros. (Lithgow) Pty. Ltd, Cook St., Lithgow 2790	128163	1991	Road Match	30m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Morgan Bros. (Lithgow) Pty. Ltd., Cook St., Lithgow 2790	131700	1982	Road Match	30m
11	MOTOR GARAGES & SERVICE STATIONS	Starlite Service Centre., Lithgow St, Lithgow 2790	128169	1991	Road Match	146m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Starlite Service Centre, Lithgow St., Lithgow 2790	131703	1982	Road Match	146m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Webster, F. E. & T. J., Lithgow St. Lithgow 2790	543754	1970	Road Match	146m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Jones, Ern & Keith, Lithgow St., Lithgow	213263	1961	Road Match	146m
12	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Caltex Starlite Service Station, Mort St., Lithgow 2790	131689	1982	Road Match	168m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS	Lithgow Co-op. Service Station, Mort St., Lithgow 2790	131696	1982	Road Match	168m
	MOTOR GARAGES & ENGINEERS	Lithgow Co-op. Society Ltd., Mort St. Lithgow 2790	543726	1970	Road Match	168m
13	MOTOR GARAGES & ENGINEERS	Acme Motor Works, Bridge St. Lithgow	121631	1950	Road Match	180m
14	MOTOR GARAGES & SERVICE STATIONS	Harries & Dufty Pty. Ltd., 226 Main St., Lithgow 2790	128159	1991	Road Match	284m
	MOTOR GARAGES & SERVICE STATIONS	Reddings Motor Repairs Pty. Ltd., 232 Main St., Lithgow 2790	128166	1991	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Bilkey, J. W., Main St., West, Lithgow	213224	1961	Road Match	284m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Bilkey, J. W., Main St., West, Lithgow	213256	1961	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Braceys Pty. Ltd., Main St., Lithgow	213227	1961	Road Match	284m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Durie Bros., 207 Main St., Lithgow	213258	1961	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Kissell, Claude, 11 Main St., West, Lithgow	213233	1961	Road Match	284m
	DRY CLEANERS, PRESSERS & DYERS	Perm-a-Kleen Pty. Ltd., 74-78 Main St., Lithgow	212923	1961	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Valley Motors, 164 Main St., Lithgow	213241	1961	Road Match	284m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Valley Motors, 164 Main St., Lithgow	213265	1961	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Valley Motors, 211 Main St., Lithgow	213242	1961	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Braceys Pty. Ltd., Main St. Lithgow	121638	1950	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Great Western Garage (J. O. Bilkey, Propr.), Main St. West Lithgow	121644	1950	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Lean, R. F. and Sons, Main St. West Lithgow	121646	1950	Road Match	284m
	MOTOR GARAGES & ENGINEERS	Lithgow Motor Supplies, 174 Main St. Lithgow	121648	1950	Road Match	284m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
14	MOTOR GARAGES & ENGINEERS	Main Garage, 217 Main St. Lithgow	121650	1950	Road Match	284m
	DRY CLEANERS, DYERS & PRESSERS	Nicks Valet Service, 74 Main St. Lithgow	121315	1950	Road Match	284m
15	MOTOR GARAGES & ENGINEERS	Beck, Claude, Methven St., Lithgow	213223	1961	Road Match	290m
16	DRY CLEANERS, PRESSERS & DYERS	Lithgow Co-operative Society Ltd., Railway Pde., Lithgow	212920	1961	Road Match	427m
	DRY CLEANERS, DYERS & PRESSERS	Lithgow Co-operative Society Ltd., Railway Pde. Lithgow	121312	1950	Road Match	427m
17	MOTOR GARAGES & ENGINEERS	Gill, J H., 4 Young St. Lithgow	121645	1950	Road Match	461m

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Aerial Imagery 2025

Pottery Estate, Lake Lyell, NSW 2790



Scale:
0 50 100 150 200
Meters

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Coordinate System:
GDA 1994 MGA Zone 56

Date: 07 July 2025

Aerial Imagery 2014

Pottery Estate, Lake Lyell, NSW 2790



Scale:
0 50 100 150 200
Meters

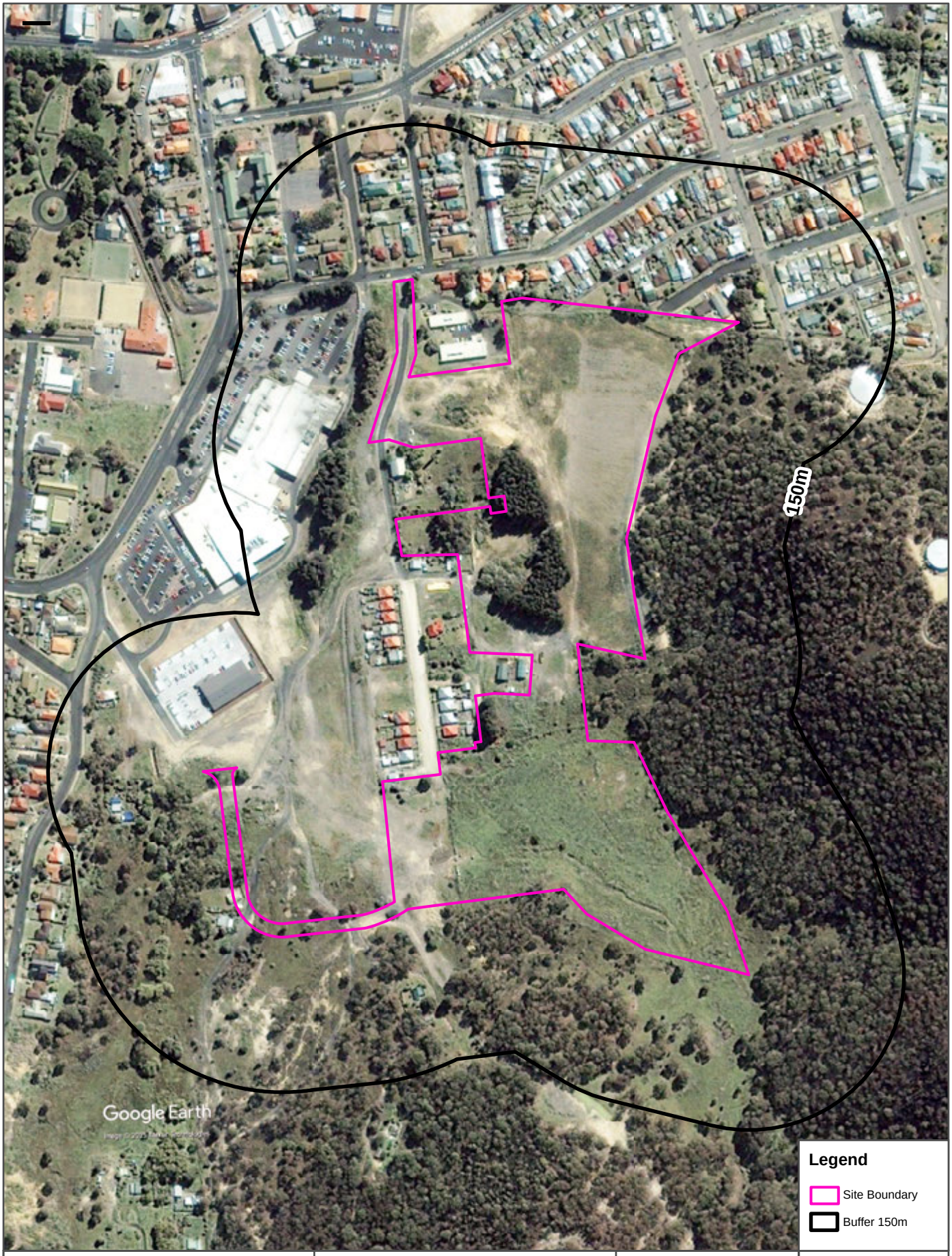
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Coordinate System:
GDA 1994 MGA Zone 56

Date: 07 July 2025

Aerial Imagery 2002

Pottery Estate, Lake Lyell, NSW 2790



Scale:
0 50 100 150 200
Meters

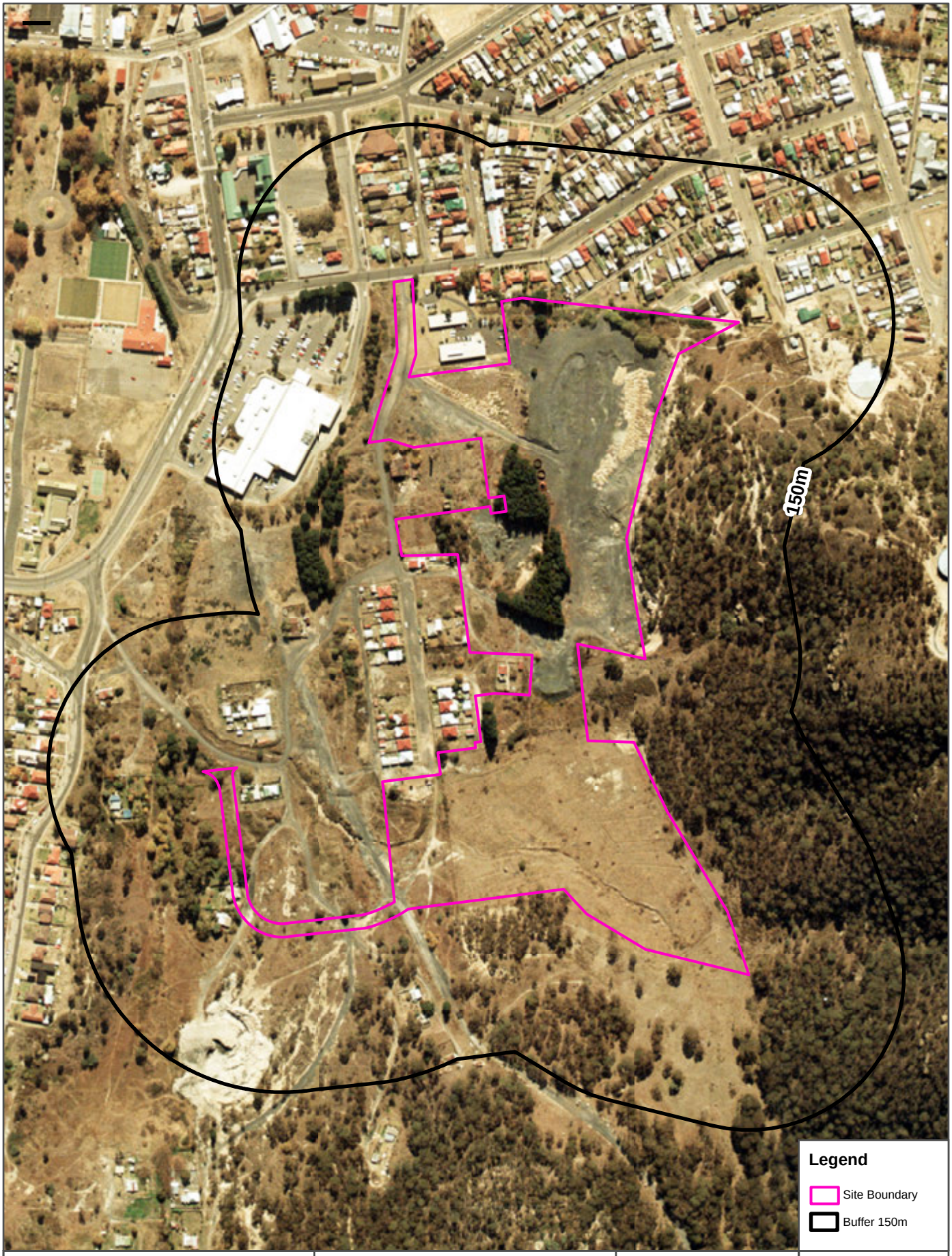
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Coordinate System:
GDA 1994 MGA Zone 56

Date: 07 July 2025

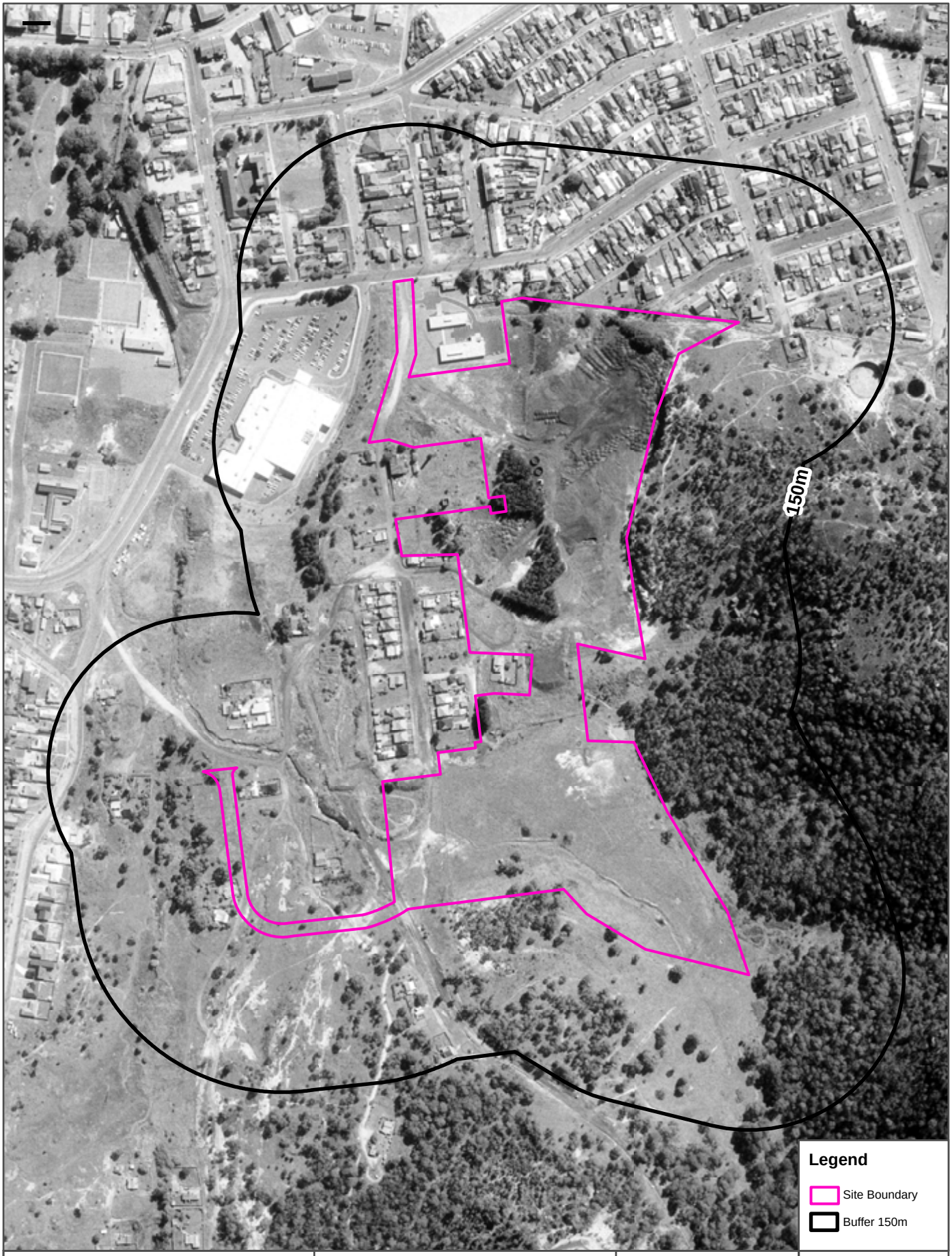
Aerial Imagery 1991

Pottery Estate, Lake Lyell, NSW 2790



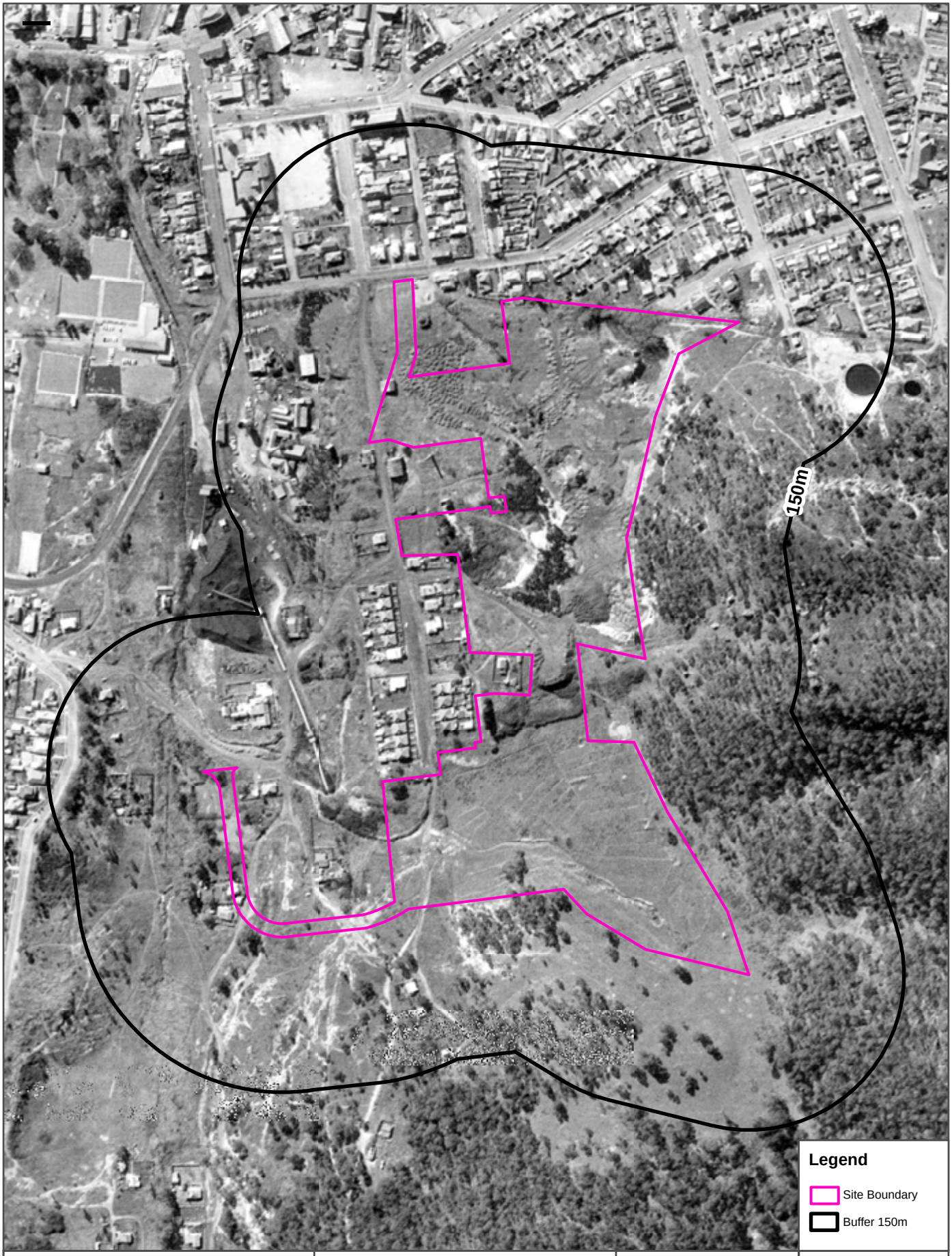
Aerial Imagery 1984

Pottery Estate, Lake Lyell, NSW 2790



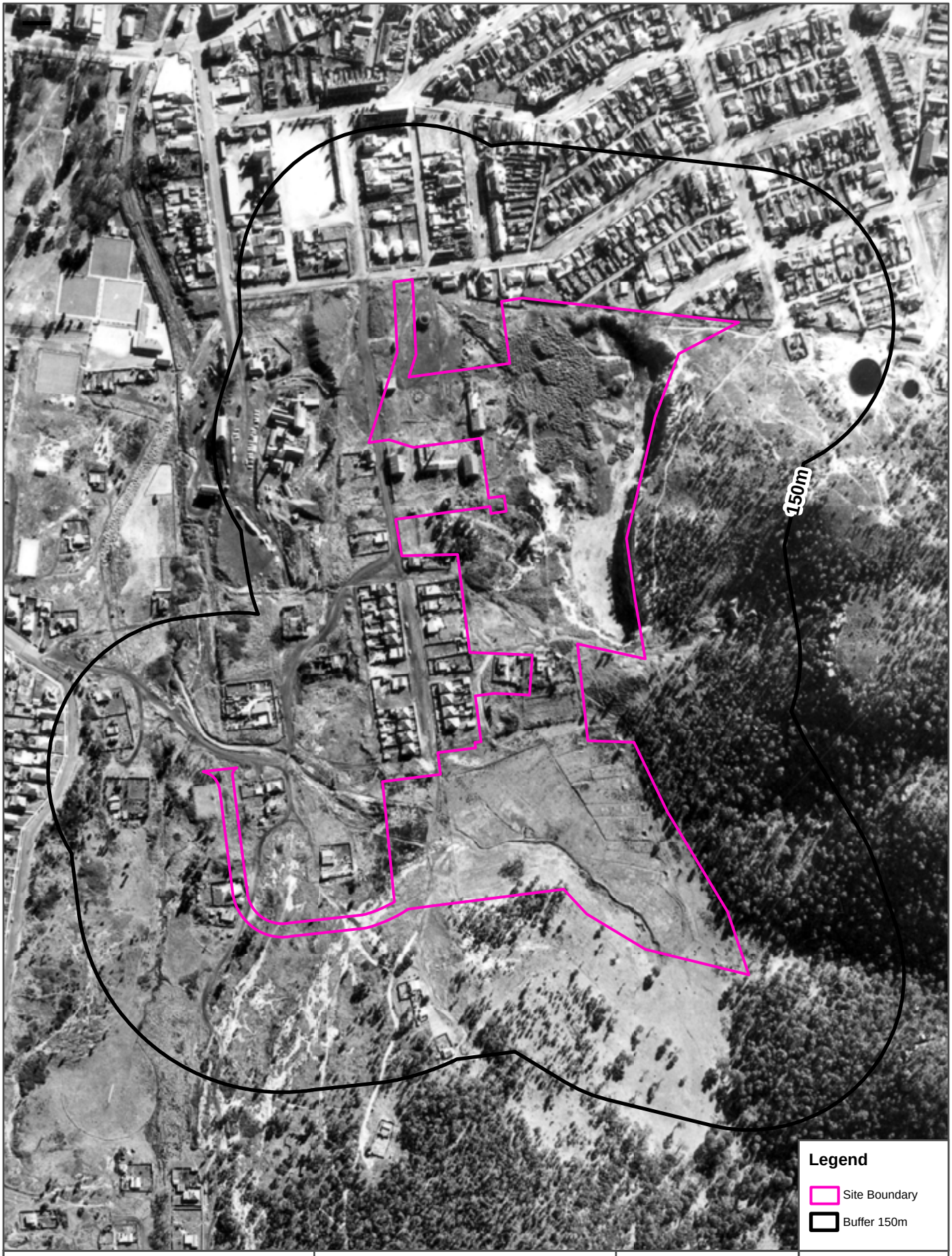
Aerial Imagery 1975

Pottery Estate, Lake Lyell, NSW 2790



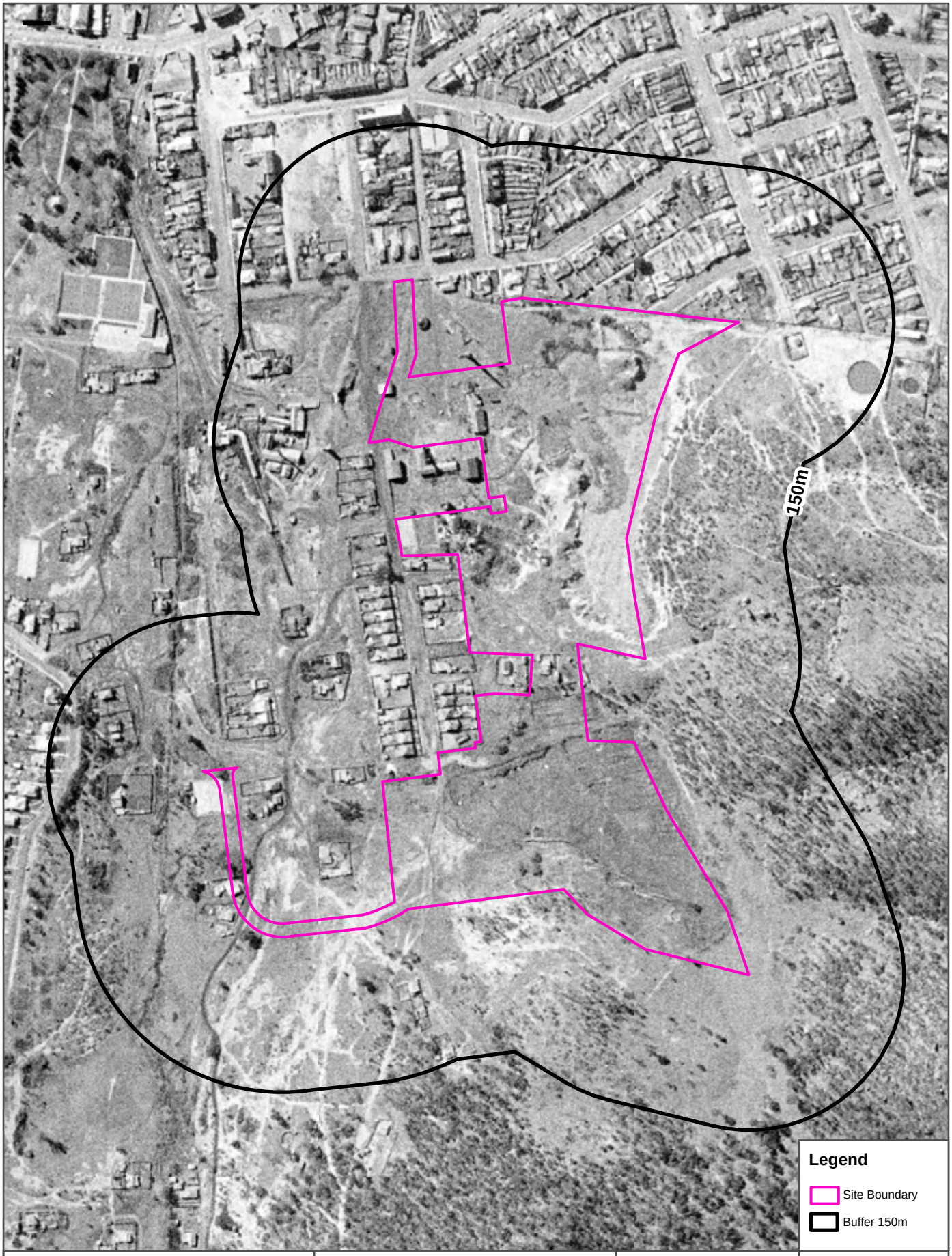
Aerial Imagery 1968

Pottery Estate, Lake Lyell, NSW 2790



Aerial Imagery 1961

Pottery Estate, Lake Lyell, NSW 2790



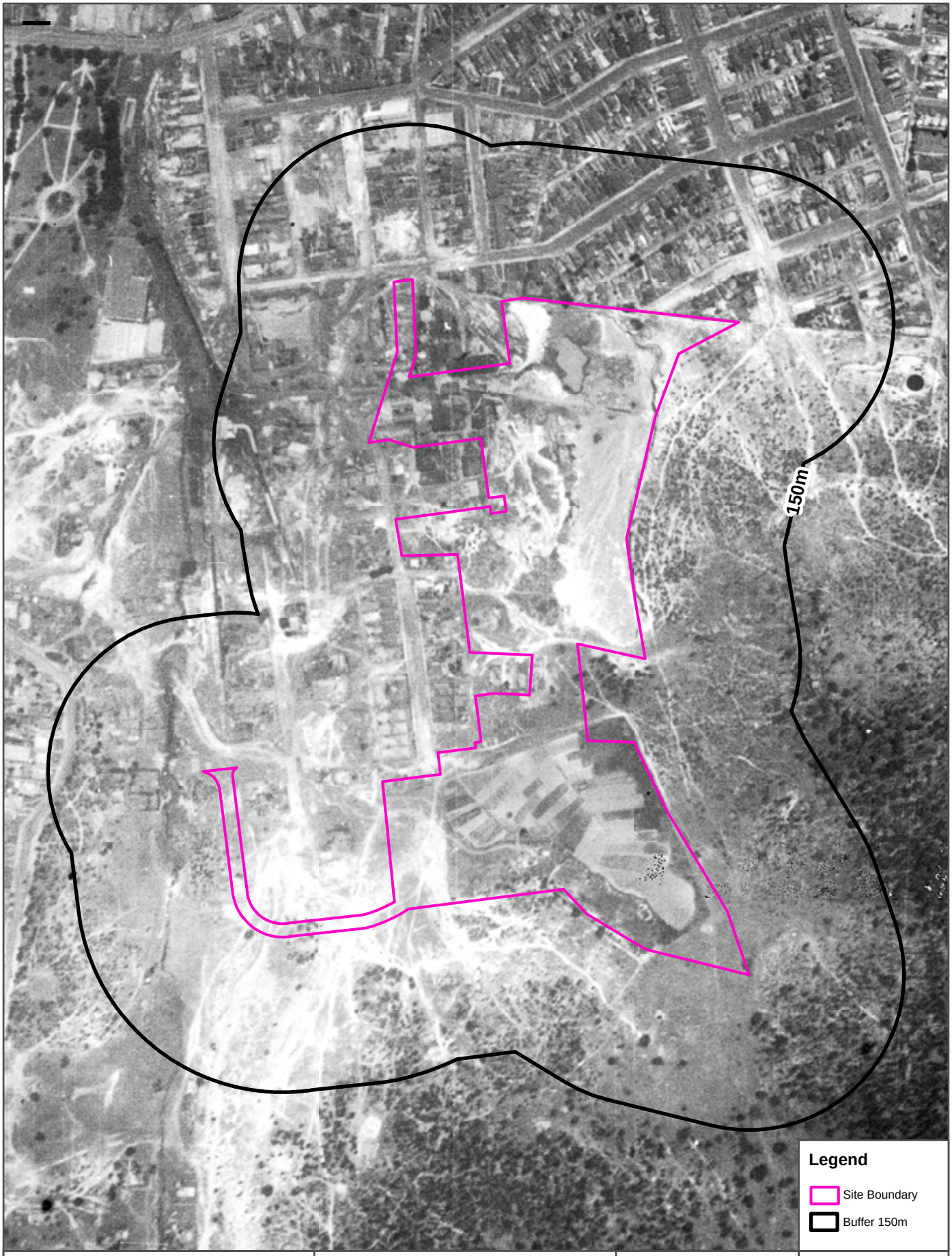
Aerial Imagery 1950

Pottery Estate, Lake Lyell, NSW 2790



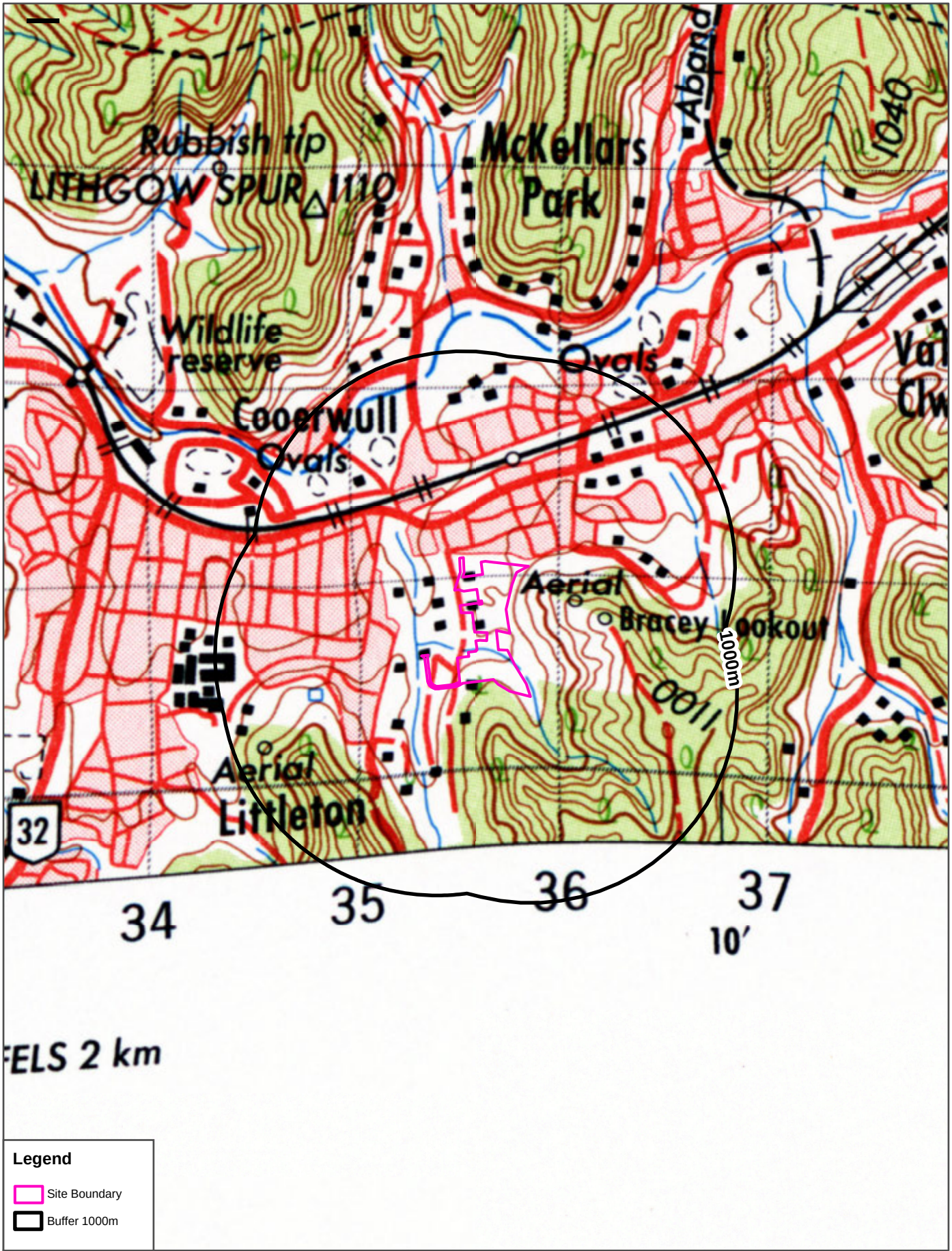
Aerial Imagery 1931

Pottery Estate, Lake Lyell, NSW 2790



Historical Map 1973

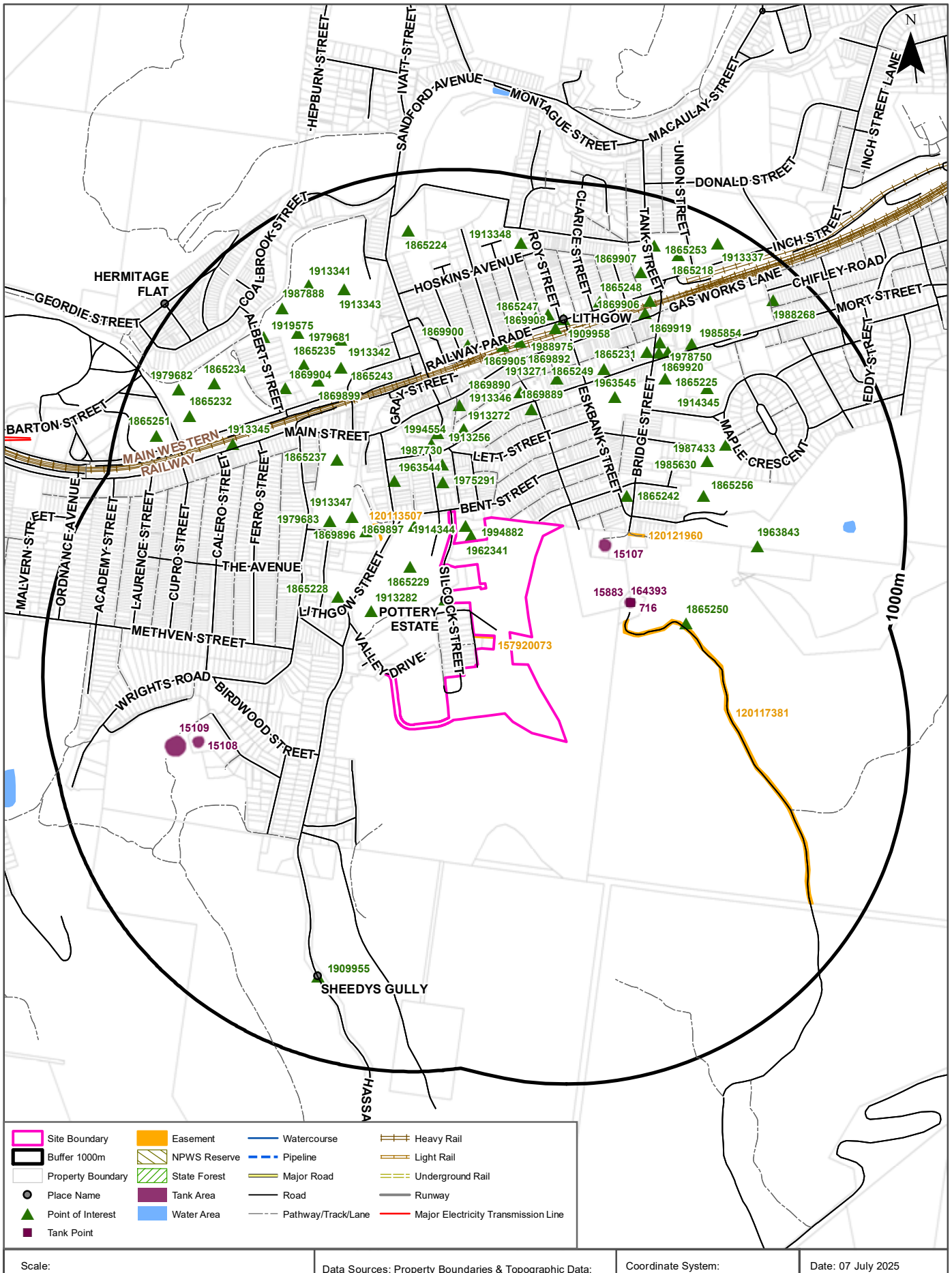
Pottery Estate, Lake Lyell, NSW 2790



Scale: 0 200 400 800 1,200 Metres	Data Sources: NATMAP 1:100,000 Topographic Maps Geoscience Australia	Coordinate System: GDA 1994 MGA Zone 56	Date: 07 July 2025

Topographic Features

Pottery Estate, Lake Lyell, NSW 2790



Site Boundary	Easement	Watercourse	Heavy Rail
Buffer 1000m	NPWS Reserve	Pipeline	Light Rail
Property Boundary	State Forest	Major Road	Underground Rail
Place Name	Tank Area	Road	Runway
Point of Interest	Water Area	Pathway/Track/Lane	Major Electricity Transmission Line
Tank Point			

Scale: 0 100 200 400 600 800 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Topographic Features

Pottery Estate, Lake Lyell, NSW 2790

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1909959	Suburb	POTTERY ESTATE	17m	North West
1962341	Firestation - Bush	LITHGOW FIRE CONTROL CENTRE	17m	North
1994882	Firestation - Bush	LITHGOW RFB	17m	North
1914344	SES Facility	LITHGOW SES	29m	North
1865229	Shopping Centre	LITHGOW VALLEY SHOPPING CENTRE	88m	North West
1975291	Community Medical Centre	LITHGOW COMMUNITY MENTAL HEALTH CENTRE	90m	North
1869897	Parking Area	Parking Area	101m	North West
1987730	Place Of Worship	ST PATRICKS CATHOLIC CHURCH	141m	North
1963544	Primary School	ST PATRICK'S CATHOLIC PRIMARY SCHOOL	184m	North West
1913282	Parking Area	Parking Area	191m	West
1994554	Police Station	LITHGOW POLICE STATION	206m	North
1865242	Park	HAMMOND PARK	206m	North East
1913256	Parking Area	Parking Area	233m	North
1869896	Club	LITHGOW CITY BOWLING CLUB	238m	North West
1913272	Parking Area	Parking Area	242m	North
1865228	SES Facility	WESTERN MINES RESCUE STATION	267m	West
1913347	Sports Field	BOWLING GREENS	283m	North West
1913346	Library	LITHGOW LIBRARY LEARNING CENTRE	310m	North
1869889	Place Of Worship	THE SALVATION ARMY LITHGOW	330m	North
1979683	Park	PLAYGROUND	347m	North West
1865237	Park	QUEEN ELIZABETH PARK	360m	North West
1869890	Fire Station	LITHGOW FIRE STATION	374m	North
1963545	Primary School	LITHGOW PUBLIC SCHOOL	406m	North East
1865256	Technical College	LITHGOW TAFE COLLEGE	421m	North East
1913271	Parking Area	Parking Area	425m	North
1869892	Post Office	LITHGOW POST OFFICE	446m	North
1865250	Lookout	BRACEYS LOOKOUT	452m	East
1985630	Nursing Home	LITHGOW AGED CARE LIMITED	461m	North East
1865249	Local Government Chambers	CITY OF LITHGOW COUNCIL	473m	North
1869900	Community Facility	LITHGOW INFORMATION AND NEIGHBOURHOOD CENTRE	488m	North
1869905	Parking Area	Parking Area	503m	North
1988975	Railway Station	LITHGOW RAILWAY STATION	520m	North

Map Id	Feature Type	Label	Distance	Direction
1865225	Place Of Worship	UNITING CHURCH	523m	North East
1865243	Sports Field	CROQUET GREEN	527m	North West
1987433	Nursing Home	COOINDA	531m	North East
1869899	Community Facility	LITHGOW CITY TENNIS CLUB	542m	North West
1865231	Court House	LITHGOW LOCAL COURT	564m	North East
1963843	High School	LITHGOW HIGH SCHOOL	571m	East
1869908	Park	ALEXANDRA PARK	573m	North
1978750	University	UNIVERSITY OF WESTERN SYDNEY LITHGOW CAMPUS	579m	North East
1914345	Park	KIDDLE PARK	582m	North East
1869920	Community Facility	LITHGOW SENIOR CITIZENS CLUB	593m	North East
1913342	Sports Field	HOCKEY FIELD	594m	North West
1869909	Parking Area	Parking Area	596m	North
1909958	City	LITHGOW	599m	North
1869904	Place Of Worship	SEVENTH DAY ADVENTIST CHURCH	599m	North West
1865235	Sports Court	TENNIS COURTS	603m	North West
1869919	Community Facility	UNION THEATRE	606m	North East
1865247	Place Of Worship	LITHGOW ANGLICAN CHURCH	610m	North
1985854	Community Facility	LITHGOW AND DISTRICT RESCUE SQUAD	651m	North East
1913345	Park	ROTARY PARK	662m	North West
1865248	Ambulance Station	LITHGOW AMBULANCE STATION	664m	North
1914346	Park	PIONEERS HERITAGE PARK	666m	North East
1979681	Sports Field	CRICKET NETS	684m	North West
1869906	Parking Area	Parking Area	704m	North East
1913343	Sports Field	HOCKEY FIELD	720m	North West
1919575	Community Facility	HERMITAGE PROGRESS ASSOCIATION HALL	744m	North West
1909955	Suburb	SHEEDYS GULLY	769m	South West
1987888	Sports Court	GLANMIRE OVAL	770m	North West
1869907	Parking Area	Parking Area	775m	North
1913341	Sports Field	GLANMIRE OVAL	779m	North West
1865234	Sports Field	CONRAN OVAL	780m	North West
1865232	Sports Field	WATSFORD OVAL	808m	North West
1913348	Community Facility	LITHGOW PCYC	809m	North
1865224	Place Of Worship	JEHOVAHS WITNESSES CHURCH	832m	North
1865218	Sports Field	BOWLING GREENS	859m	North East
1865253	Club	LITHGOW AND DISTRICT WORKMENS CLUB	861m	North
1979682	Sports Field	CRICKET NETS	866m	North West
1865251	Swimming Pool Facility	LITHGOW AQUATIC CENTRE	883m	North West

Map Id	Feature Type	Label	Distance	Direction
1988268	Park	CHIFLEY ROAD PARK	902m	North East
1913337	Dog Track	LITHGOW GREYHOUND RACING CLUB	940m	North East

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Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
15107	Water	Operational		22/07/2005	117m	North East
15883	Water	Operational		01/06/2020	282m	East
716	Tank-RuralWater	Feature on Previous LPI Tank Area Supply		22/07/2005	285m	East
15108	Water	Operational		22/07/2005	561m	West
15109	Water	Operational		22/07/2005	615m	West

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
164393	Water	Feature on Previous LPI Tank Point Supply		01/08/2010	299m	East

Tanks Data Source: © Land and Property Information (2015)
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Major Easements

What Major Easements exist within the dataset buffer?
Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
157920073	Primary	Right of way	6	0m	South West
120113507	Primary	Undefined		187m	North West
120121960	Primary	Undefined		193m	North East
120117381	Primary	Undefined		268m	South East

Easements Data Source: © Land and Property Information (2015)
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State Forest

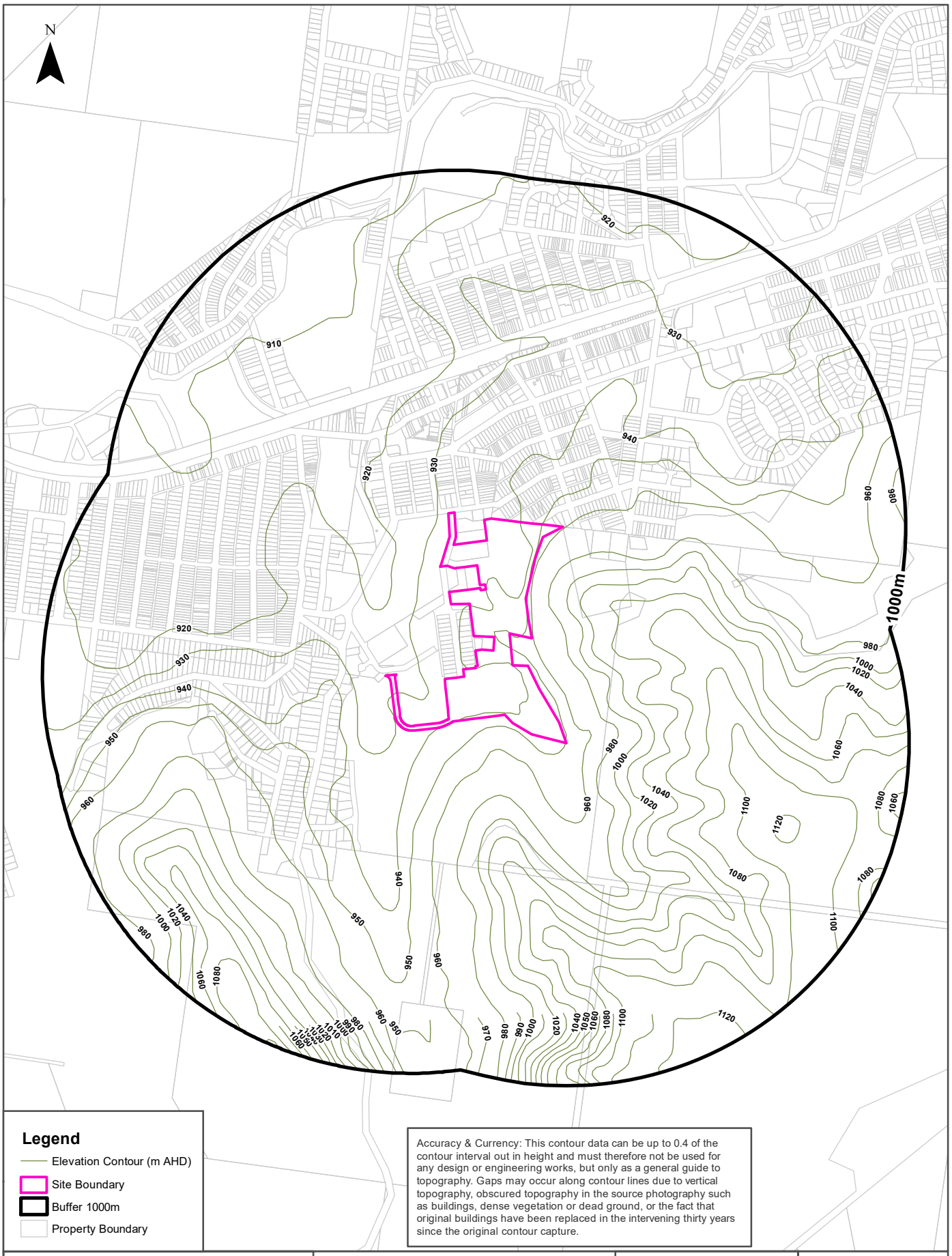
What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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Elevation Contours (m AHD)

Pottery Estate, Lake Lyell, NSW 2790



Hydrogeology & Groundwater

Pottery Estate, Lake Lyell, NSW 2790

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Fractured or fissured, extensive aquifers of low to moderate productivity	0m	On-site

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024

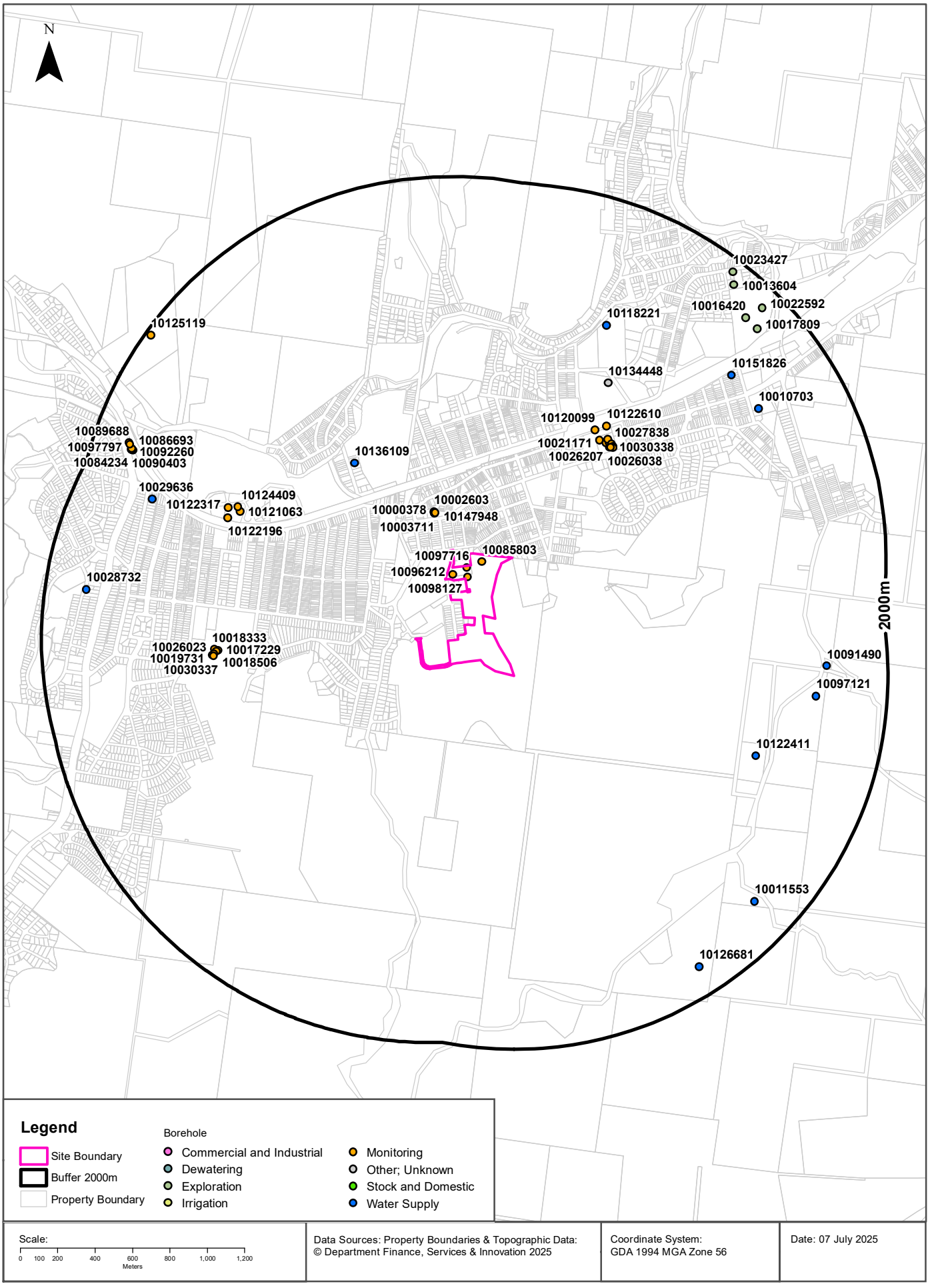
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

Pottery Estate, Lake Lyell, NSW 2790



Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Hydrogeology & Groundwater

Pottery Estate, Lake Lyell, NSW 2790

Groundwater Boreholes

Boreholes within the dataset buffer:

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10085803	GW109127	Monitoring	Unknown	28/07/2008	1.50		AHD	570	0.100	1.30	0m	On-site
10096212	GW109125	Monitoring	Unknown	28/07/2008	4.50		AHD	Good	1.000	3.50	0m	On-site
10097716	GW109126	Monitoring	Unknown	28/07/2008	2.90		AHD	512	1.000	2.50	0m	On-site
10098127	GW109128	Monitoring	Unknown	28/07/2008	4.50		AHD	800	1.000	3.60	0m	On-site
10003711	GW115139	Monitoring	Functional	12/05/2011	10.00		AHD				214m	North
10147948	GW115140	Monitoring	Functional	12/05/2011	10.00		AHD				215m	North
10000378	GW115138	Monitoring	Functional	12/05/2011	2.90		AHD				217m	North
10002603	GW115137	Monitoring	Functional	12/05/2011	10.00		AHD				223m	North
10136109	GW111711	Water Supply	Functioning	01/01/2006	60.00		AHD				690m	North West
10021171	GW110080	Monitoring	Unknown	09/02/2005	4.00		AHD	390		2.83	784m	North East
10026038	GW110083	Monitoring	Unknown	22/03/2005	4.00		AHD	113		1.30	786m	North East
10096175	GW114537	Monitoring	Functional	14/08/2014	3.80		AHD	1.96	1.000		792m	North East
10026207	GW110078	Monitoring	Unknown	09/02/2005	4.70		AHD			2.62	793m	North East
10091025	GW114539	Monitoring	Functional	14/08/2014	3.90		AHD	540	1.000	1.90	797m	North East
10086848	GW114538	Monitoring	Functional	14/08/2014	3.30		AHD	460	1.000	1.90	803m	North East
10027838	GW110082	Monitoring	Unknown	22/03/2005	3.80		AHD	80.1		3.72	806m	North East
10030338	GW110081	Monitoring	Unknown	09/02/2005	4.70		AHD	270		2.52	808m	North East
10029501	GW110079	Monitoring	Unknown	09/02/2005	4.00		AHD	270		139.00	815m	North East
10120099	GW114597	Monitoring	Functional	16/02/2010	20.50		AHD				815m	North East
10122610	GW114598	Monitoring	Functional	16/12/2010	25.20		AHD				866m	North East
10017229	GW109448	Monitoring	Unknown	01/08/2007	5.00		AHD			2.21	1057m	West
10018506	GW109450	Monitoring	Unknown	01/08/2007	5.00		AHD			2.21	1065m	West
10134448	GW047900	Other	Unknown	01/10/1980	21.90		AHD	Good			1067m	North East
10018333	GW109447	Monitoring	Unknown	01/08/2007	5.00		AHD				1076m	West
10026023	GW109451	Monitoring	Unknown	01/08/2007	5.00		AHD			2.21	1079m	West
10030337	GW109452	Monitoring	Unknown	01/08/2007	5.00		AHD			2.21	1082m	West
10019731	GW109449	Monitoring	Unknown	01/08/2007	5.00		AHD			2.21	1088m	West
10121063	GW114218	Monitoring	Functional	28/07/2009	10.00		AHD				1141m	North West
10124409	GW114216	Monitoring	Functional	28/07/2009	9.00		AHD				1156m	North West
10122196	GW114217	Monitoring	Functional	28/07/2009	9.00		AHD				1194m	West

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10122317	GW114215	Monitoring	Functional	28/07/2009	9.00		AHD				1206m	North West
10118221	GW058348	Water Supply	Functioning	01/05/1983	99.30		AHD	Good	0.380	36.60	1342m	North East
10122411	GW101773	Water Supply	Unknown	14/12/1995	15.80		AHD	Good		7.60	1364m	South East
10151826	GW115848	Water Supply	Functioning	16/08/2018	22.00		AHD				1526m	North East
10010703	GW068505	Water Supply	Functioning	28/02/1990	48.80		AHD	Good	2.020		1540m	North East
10029636	GW057432	Water Supply	Unknown	01/01/1983	12.50		AHD	Potable			1592m	West
10097121	GW104916	Water Supply	Functioning	16/09/2002	56.00		AHD		0.315	16.00	1620m	East
10091490	GW104914	Water Supply	Functioning	18/09/2002	72.00		AHD		0.126	16.00	1674m	East
10011553	GW069012	Water Supply	Unknown	12/11/1991	31.00		AHD	Good			1766m	South East
10028732	GW104751	Water Supply	Functioning	12/12/1980	135.00		AHD				1777m	West
10086693	GW112531	Monitoring	Functional	23/04/2010	3.00		AHD				1777m	North West
10090403	GW112534	Monitoring	Functional	22/04/2010	22.00		AHD				1784m	North West
10084234	GW112533	Monitoring	Functional	23/04/2010	3.00		AHD				1787m	North West
10092260	GW112532	Monitoring	Functional	23/04/2010	3.00		AHD				1787m	North West
10016420	GW067397	Exploration	Functional	09/04/1994	4.50		AHD				1793m	North East
10017809	GW067398	Exploration	Functional	09/04/1994	5.50		AHD				1794m	North East
10097797	GW112535	Monitoring	Functional	23/04/2010	18.00		AHD				1802m	North West
10089688	GW112536	Monitoring	Functional	23/04/2010	11.50		AHD				1807m	North West
10126681	GW100897	Water Supply	Functioning	30/10/1997	61.00		AHD	Good	0.300	6.40	1847m	South East
10013604	GW067396	Exploration	Functional	08/04/1994	6.00		AHD				1881m	North East
10022592	GW067399	Exploration	Functional	08/04/1994	7.00		AHD				1890m	North East
10023427	GW067395	Exploration	Functional	05/02/1994	5.00		AHD				1931m	North East
10125119	GW104222	Monitoring	Functioning	29/05/2001	38.80		AHD				1969m	North West

Borehole Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Driller's Logs

Drill log data relevant to the boreholes within the dataset buffer:

NGIS Bore ID	Drillers Log	Distance	Direction
10085803	0.00m-1.00m FILL SILTY SAND 1.00m-1.40m SILTY CLAY 1.40m-1.50m SANDSTONE	0m	On-site
10096212	0.00m-0.30m GRAVELLY CLAY 0.30m-3.00m SANDY CLAY 3.00m-4.50m SILTY CLAY/SANDSTONE	0m	On-site
10097716	0.00m-1.10m SANDY CLAY 1.10m-1.40m SILTY SAND 1.40m-2.90m WEATHERED SANDSDTONE	0m	On-site
10098127	0.00m-4.50m SILTY SAND,SANDSTONE,SHALE	0m	On-site

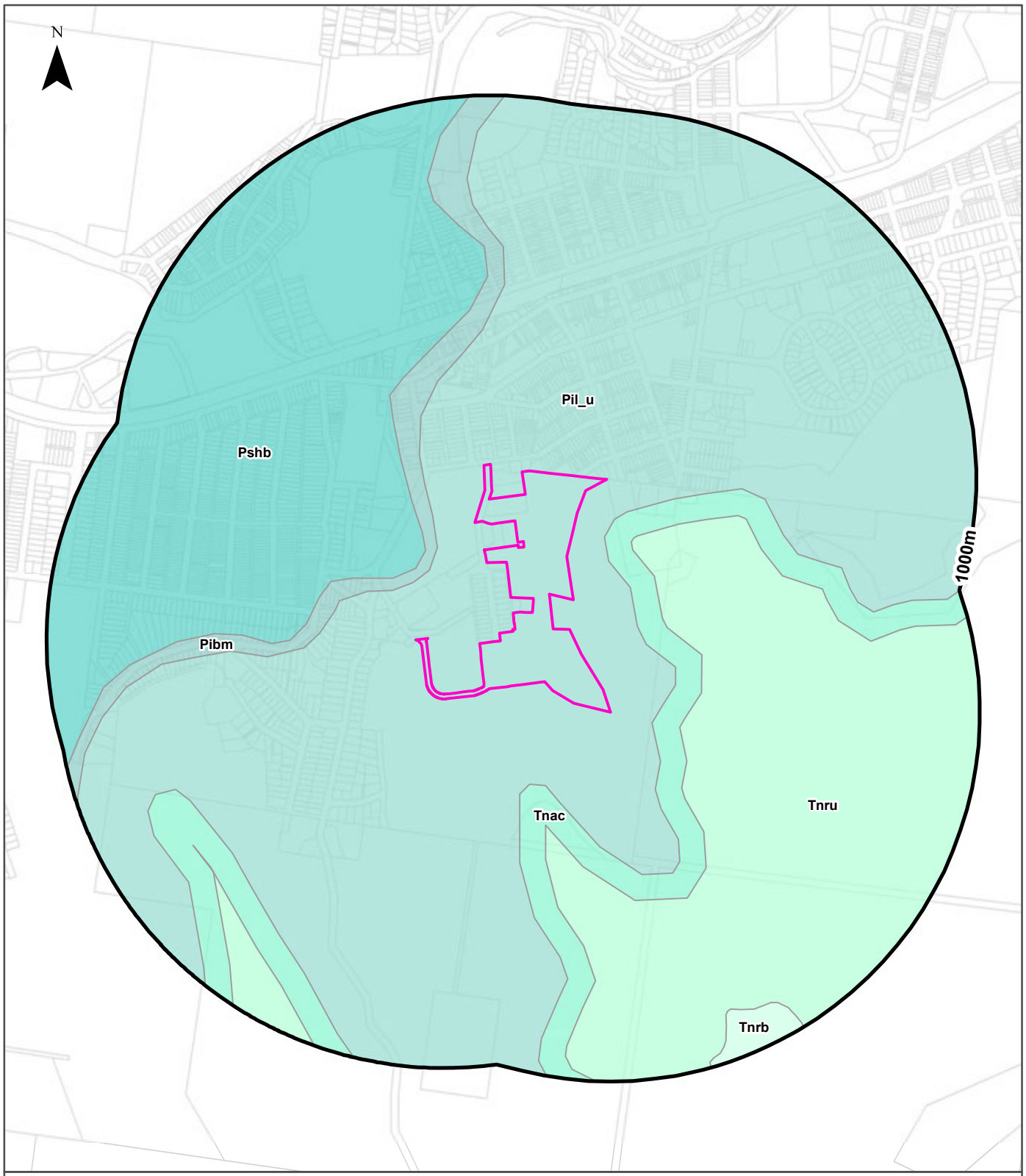
NGIS Bore ID	Drillers Log	Distance	Direction
10003711	0.00m-0.10m ASPHALT 0.10m-0.50m SANDSTONE CRUSHED 0.50m-2.20m CLAYEY SAND ORANGE BROWN 2.20m-3.80m SHALE LIGHT GREY 3.80m-8.40m COAL, DARK GREY SHALE 8.40m-10.00m SHALE GREY,WET, GRAVELS	214m	North
10147948	0.00m-0.20m ASPHALT 0.20m-0.80m SANDSTONE CRUSHED,CLAYEY SAND 0.80m-2.40m CLAYEY SAND 2.40m-4.20m SHALE BROWN GREY 4.20m-8.40m COAL BLACK ,SHALE BANDS 8.40m-10.00m SHALE DARK GREY	215m	North
10000378	0.00m-0.20m ASPHALT 0.20m-0.50m FILL, LIGHT BROWN,CRUSHED SANDSTONE 0.50m-1.80m CLAYEY SAND 1.80m-2.90m SHALE LIGHT GREY,DRY	217m	North
10002603	0.00m-0.20m ASPHALT 0.20m-0.40m FILL CRUSHED SANDSTONE 0.40m-2.40m SANDSTONE LIGHT BROWN 2.40m-3.80m SHALE LIGHT BROWN TO GREY 3.80m-8.80m COAL SEAM WITH SHALE BANDS 8.80m-10.00m SHALE LIGHT TO GREY,MOIST	223m	North
10021171	0.00m-0.30m FILL 0.30m-3.90m CLAY 3.90m-4.00m SHALE	784m	North East
10026038	0.00m-0.70m FILL 0.70m-1.70m CLAY 1.70m-4.00m SHALE	786m	North East
10096175	0.00m-1.00m FILL, SILTY CLAY,GRAVEL GREY 1.00m-1.40m SANDY CLAY,YELLOW 1.40m-3.40m SILTY CLAY YELLOW 3.40m-3.80m SHALE WEATHERED BROWN	792m	North East
10026207	0.00m-1.00m FILL 1.00m-2.00m CLAY 2.00m-4.70m SHALE	793m	North East
10091025	0.00m-1.00m FILL,GRAVELLY SAND YELLOW 1.00m-3.90m SILTY CLAY, YELLOW BROWN	797m	North East
10086848	0.00m-1.60m FILL GRAVELLY SAND 1.60m-3.30m SILTY CLAY,DARK GREY	803m	North East
10027838	0.00m-0.70m FILL 0.70m-1.70m CLAY 1.70m-3.80m SHALE	806m	North East
10030338	0.00m-0.60m FILL 0.60m-1.50m CLAY 1.50m-4.70m SHALE	808m	North East
10029501	0.00m-0.50m FILL 0.50m-1.50m CLAY 1.50m-4.00m SHALE	815m	North East
10120099	0.00m-4.50m FILL 4.50m-4.70m CLAY,ORANGE AND GREY 4.70m-8.00m SHALE GREY 8.00m-8.80m SANDSTONE GREY 8.80m-10.00m SHALE GREY 10.00m-12.80m SANDSTONE GREY 12.80m-13.00m SANDSTONE WITH ASH,GREY 13.00m-19.20m SANDSTONE GREY 19.20m-20.50m COAL BLACK	815m	North East
10122610	0.00m-0.40m FILL 0.40m-2.10m CLAY,ORANGE AND GREY 2.10m-4.00m SHALE GREY 4.00m-4.50m COAL BLACK 4.50m-19.10m SHALE GREY 19.10m-22.00m COAL BLACK 22.00m-25.20m SHALE,GREY AND BROWN	866m	North East
10134448	0.00m-1.20m Made Ground 1.20m-3.60m Clay Yellow 3.60m-18.30m Sandstone 18.30m-21.30m Water Supply 21.30m-21.90m Sandstone	1067m	North East
10118221	0.00m-1.50m Made Ground 1.50m-1.80m Topsoil 1.80m-6.40m Gravel River 6.40m-9.10m Shale 9.10m-18.30m Sandstone 18.30m-21.30m Shale 21.30m-99.30m Sandstone Water Supply	1342m	North East

NGIS Bore ID	Drillers Log	Distance	Direction
10122411	0.00m-6.10m Red Clay 6.10m-8.20m Fractured Shale 8.20m-15.80m Blue Shale	1364m	South East
10010703	0.00m-6.10m SHALE,COAL,SLATE 6.10m-24.40m SHALE 24.40m-48.50m SANDSTONE 48.50m-48.80m COAL, SANDSTONE	1540m	North East
10029636	0.00m-3.35m Topsoil Gravel Shale 3.35m-9.45m Sandstone 9.45m-12.50m Shale Water Supply	1592m	West
10097121	0.00m-0.50m TOPSOIL 0.50m-4.00m BROWN CLAY BANDS,BLUE SHALE 4.00m-15.00m BLUE SHALE FRACTURED 15.00m-16.00m BLUE SHALE AND COAL 16.00m-24.00m BLUE SHALE 24.00m-26.00m BLUE SHALE AND COAL 26.00m-56.00m BLUE SHALE FRACTURED	1620m	East
10091490	0.00m-0.50m TOPSOIL 0.50m-4.00m BROWN SHALE 4.00m-5.00m BLUE SHALE,BLUE BANDS 5.00m-16.00m BLUE SHALE 16.00m-18.00m BLUE SHALE COAL 18.00m-72.00m BLUE SHALE	1674m	East
10011553	0.00m-0.50m 0.50m-4.00m Brown Clay 4.00m-12.00m Soft Sandstone 12.00m-31.00m Grey Sandstone	1766m	South East
10028732	0.00m-5.00m TOPSOIL 5.00m-17.00m CLAY/GRAVEL 17.00m-105.00m BLUE SHALE 105.00m-135.00m WHITE GRANITE	1777m	West
10086693	0.00m-0.20m TOPSOIL,SAND,DARK BROWN 0.20m-3.00m SAND,SILTY,SOME GRAVEL,RED/BROWN	1777m	North West
10090403	0.00m-0.10m TOPSOIL 0.10m-3.00m SAND 3.00m-22.00m SANDSTONE/BEDROCK GREY	1784m	North West
10084234	0.00m-0.20m TOPSOIL, CLAYEY SAND,DARK BROWN 0.20m-3.00m SAND. SILTY WITH GRAVEL	1787m	North West
10092260	0.00m-0.20m TOPSOIL, CLAYEY SAND 0.20m-3.00m SAND, SILTY,SOME GRAVEL,RED/BROWN	1787m	North West
10016420	0.00m-2.00m Gravel,silt,clay,claycore 2.00m-4.00m Clayey Silt, Mixed Former Topsoil 4.00m-4.50m Fine Grey	1793m	North East
10017809	0.00m-2.00m Fill Clay Core 2.00m-3.00m Topsoil Layer - Grey Silt 3.00m-5.00m Clay - Reddish Brown 5.00m-5.50m Shale - Grey Fine	1794m	North East
10097797	0.00m-3.00m SAND,SILTY ,LITTLE GRAVEL 3.00m-18.00m SANDSTONE. BEDROCK-GREY	1802m	North West
10089688	0.00m-2.00m SAND SILTY,SOME GRAVEL,RED/BROWN 2.00m-11.50m SANDSTONE/BEDROCK,GREY	1807m	North West
10126681	0.00m-0.60m TOPSOIL 0.60m-16.80m DECOMPOSED GRANITE 16.80m-61.00m GRANITE	1847m	South East
10013604	0.00m-0.50m Topsoil Fill 0.50m-2.50m Claycore Brown, Moist, Some Gravel 2.50m-5.50m Beds Of Silty Clay Alluvium, Brown & Grey 5.50m-6.00m Coal Measures	1881m	North East
10022592	0.00m-0.50m Fill Topsoil Silt & Sand 0.50m-3.50m Fly Ash 3.50m-5.50m Firm Brown Clay 5.50m-6.50m Fine Grain Grey Sandstone 6.50m-7.00m Medium Grain Grey Sandstone	1890m	North East
10023427	0.00m-1.80m Clay & Gravel Sandstone Fragments 1.80m-3.00m Brown Moist 3.00m-5.00m Sandstone & Shale Bands. Fine Grain Hard	1931m	North East
10125119	0.00m-0.50m FILL 0.50m-2.50m CLAY 2.50m-3.30m SANDSTONE 3.30m-4.50m SILTSTONE 4.50m-33.00m SANDSTONE PEBBLY 33.00m-37.30m PEBBLY SILTSTONE 37.30m-38.80m SANDSTONE CONGLOMERATE	1969m	North West

Drill Log Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Geology

Pottery Estate, Lake Lyell, NSW 2790



Legend

Linear Geological Structures and Boundaries

Site Boundary	Trendline	Marker Bed	Miscellaneous Boundary
Report Buffer	Fold Axis	Faulted Boundary	Water/Coastline Boundary
Property Boundary	Geological Boundary	Shear Zone or Schist Zone Boundary	State/Territory Border

Scale: 0 100 200 400 600 800 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Geology

Pottery Estate, Lake Lyell, NSW 2790

Geological Units

Geological units within the dataset buffer:

Code	Unit Name	Description	Stratigraphy	Age Range	Dominant Lithology	Dist	Dir
Pil_u	Illawarra Coal Measures - Cullen Bullen Subgroup, Charbon Subgroup & Wallerawang Subgroup	Mudstone, siltstone, claystone, sandstone, conlomerate, coal, torbanite, siliceous claystone. Informal grouping used in Western Coalfields mapping.	/Illawarra Coal Measures/Illawarra Coal Measures - Cullen Bullen Subgroup, Charbon Subgroup & Wallerawang Subgroup///	Lopingian (base) to Lopingian (top)	Mudstone	0m	On-site
Tnac	Caley Formation	Claystone, shale, fine- to coarse-grained, quartz-lithic sandstone with common cross-bedding.	/Narrabeen Group//Caley Formation//	Lopingian (base) to Early Triassic (top)	Mudstone	86m	South
Pibm	Marrangaroo Formation	Pebbly quartz-lithic sandstone, medium- and coarse-grained matrix, sporadic pebble and cobble conglomerate, subordinate mudstone, sporadic coal stringers.	/Illawarra Coal Measures/Cullen Bullen Subgroup/Marrangaroo Formation//	Permian (base) to Permian (top)	Sandstone	110m	North West
Pshb	Berry Siltstone	Mid to dark grey siltstone, grades up sequence to very fine-grained sandstone, highly fossiliferous, sporadic dropped pebbles.	/Shoalhaven Group//Berry Siltstone//	Roadian (base) to Wordian (top)	Siltstone	145m	North West
Tnru	Burra-Moko Head Sandstone	Quartzose to quartz-lithic sandstone with common cross-bedding. Minor green to grey claystone horizons.	/Narrabeen Group/Grose Subgroup/Burra-Moko Head Sandstone//	Early Triassic (base) to Triassic (top)	Sandstone	161m	South East
Tnrb	Banks Wall Sandstone	Fine- to coarse-grained, cross-bedded quartz sandstone with numerous lenticular grey-green claystone bands.	/Narrabeen Group/Grose Subgroup/Banks Wall Sandstone//	Early Triassic (base) to Early Triassic (top)	Sandstone	867m	South East

Linear Geological Structures

Fault and shear or schist zone boundaries within the dataset buffer:

Map ID	Boundary Type	Feature Description	Fault Dip Angle	Fault Dip Direction	Dist	Dir
NA	No records in buffer					

Trendlines within the dataset buffer:

Map ID	Feature Description	Observation Method	Structure Name	Dist	Dir
NA	No records in buffer				

Fold axes within the dataset buffer:

Map ID	Feature Description	Observation Method	Structure Name	Dist	Dir
NA	No records in buffer				

Marker beds within the dataset buffer:

Map ID	Feature Description	Rock Unit Description	Dist	Dir
NA	No records in buffer			

Geological Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development
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Naturally Occurring Asbestos Potential

Pottery Estate, Lake Lyell, NSW 2790

Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

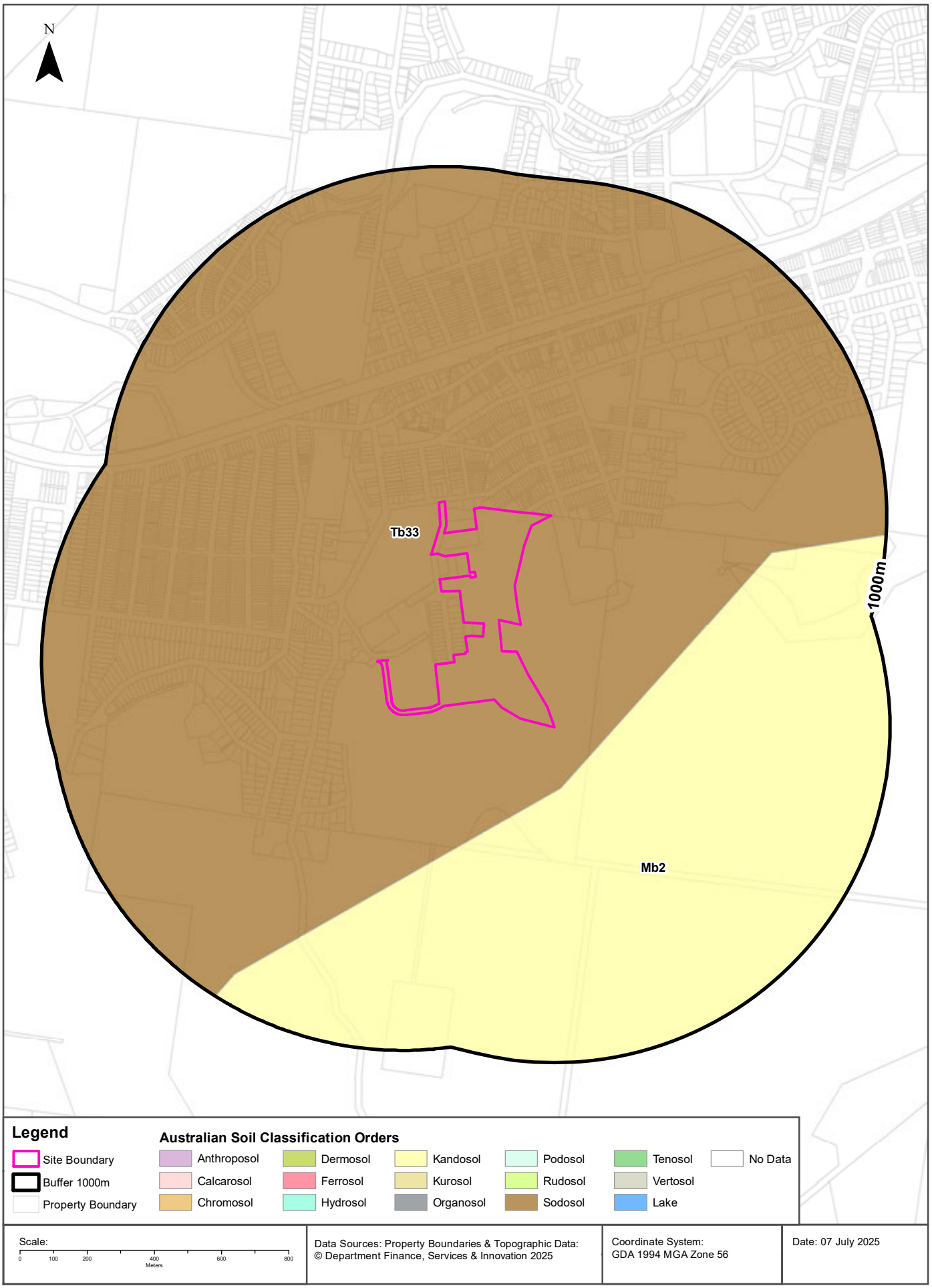
Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Naturally Occurring Asbestos Potential Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Atlas of Australian Soils

Pottery Estate, Lake Lyell, NSW 2790



Soils

Pottery Estate, Lake Lyell, NSW 2790

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Tb33	Sodosol	Dissected plateau: chief soils on undulating ridge crests are hard acidic yellow mottled soils (Dy3.41). Associated are: moderate to steep side slopes of various earths (Gn2), such as (Gn2.14), (Gn2.2), and (Gn2.9); some hilly areas of (Dr2.21), (Dy2.21), (Dy3.41), (Um4.1), and (Um4.2) soils with rock outcrops; some talus slopes of (Uc1.2) and (Uc2.2) soils; and some small flat areas of units Tb32 and Tb39.	0m	On-site
Mb2	Kandosol	Dissected sandstone plateau of moderate to strong relief with sandstone pillars, ledges, and slabs-- level to undulating ridges, irregularly benched slopes, steep ridges, cliffs, canyons, narrow sandy valleys: chief soils are (i) on areas of gentle to moderate relief, acid yellow leached earths (Gn2.74) and (Gn2.34) and acid leached yellow earths (Gn2.24)- sometimes these soils contain ironstone gravel; and (ii) on, or adjacent to, areas of strong relief, siliceous sands (Uc1.2), leached sands (Uc2.12) and (Uc2.2), and shallow forms of the above (Gn2) soils. Associated are: (i) on flat to gently undulating remnants of the original plateau surface, leached sands (Uc2.3), siliceous sands (Uc1.2), sandy earths (Uc5.22), and (Gn2) soils as for (i) above (these areas are in part comparable with unit Cb29); (ii) on flat ironstone gravelly remnants of the original plateau surface, (Gn2) soils as for unit Mb5(i); (iii) on gently undulating ridges where interbedded shales are exposed, shallow, often stony (Dy3.41), (Dr2.21), and related soils similar to unit Tb35; (iv) narrow valleys of (Uc2.3) soils flanked by moderate slopes of (Dy3.41) soils; (v) escarpments of steep hills with shallow (Dy) and (Dr) soils between sandstone pillars; and (vi) shallow (Um) soils, such as (Um6.21) on steep hills of basic rocks. As mapped, minor areas of units Mg20, Mm1, and Mw8 are included. Data are limited.	133m	South East

Atlas of Australian Soils Data Source: CSIRO

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Soil Landscapes of Central and Eastern NSW

Pottery Estate, Lake Lyell, NSW 2790



Soil Landscapes of Central and Eastern NSW

Soil Landscapes of Central and Eastern NSW within the dataset buffer:

Soil Code	Name	Distance	Direction
8931cb	Cullen Bullen	0m	On-site
8931li	Lithgow	0m	On-site
8931hw	Hassans Walls	22m	South East
8931mb	Medlow Bath	427m	South East
8931wo	Wollangambe	786m	South West
8930hw	Hassans Walls	822m	South
8930mb	Medlow Bath	840m	South East
8930cb	Cullen Bullen	871m	South
8930wo	Wollangambe	936m	South West
8931xx	Disturbed Terrain	962m	North

Soil Landscapes of Central and Eastern NSW: NSW Department of Planning, Industry and Environment
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Acid Sulfate Soils

Pottery Estate, Lake Lyell, NSW 2790

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	EPI Name
N/A		

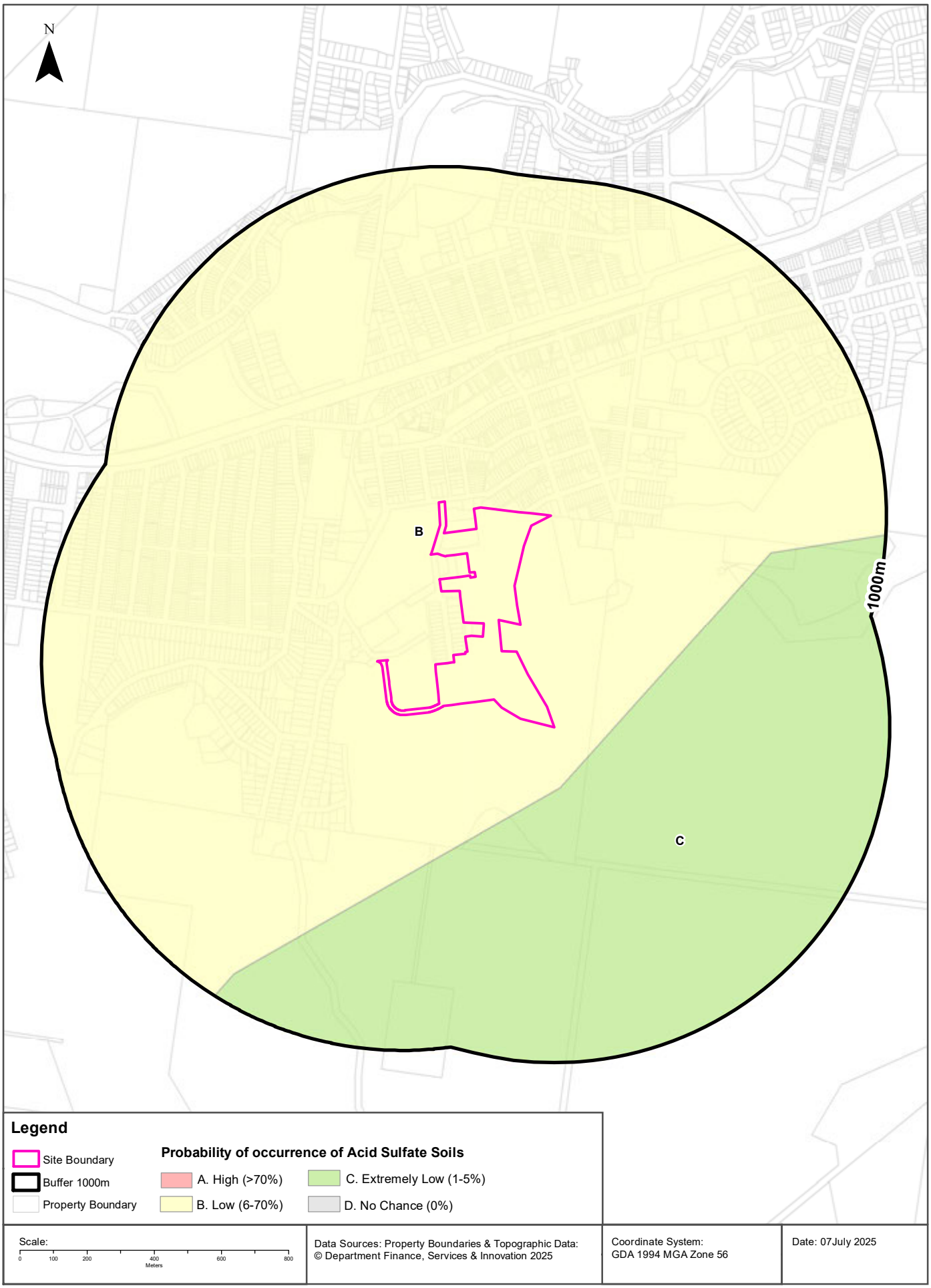
If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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Atlas of Australian Acid Sulfate Soils

Pottery Estate, Lake Lyell, NSW 2790



Acid Sulfate Soils

Pottery Estate, Lake Lyell, NSW 2790

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance	Direction
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	133m	South East

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

Pottery Estate, Lake Lyell, NSW 2790

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

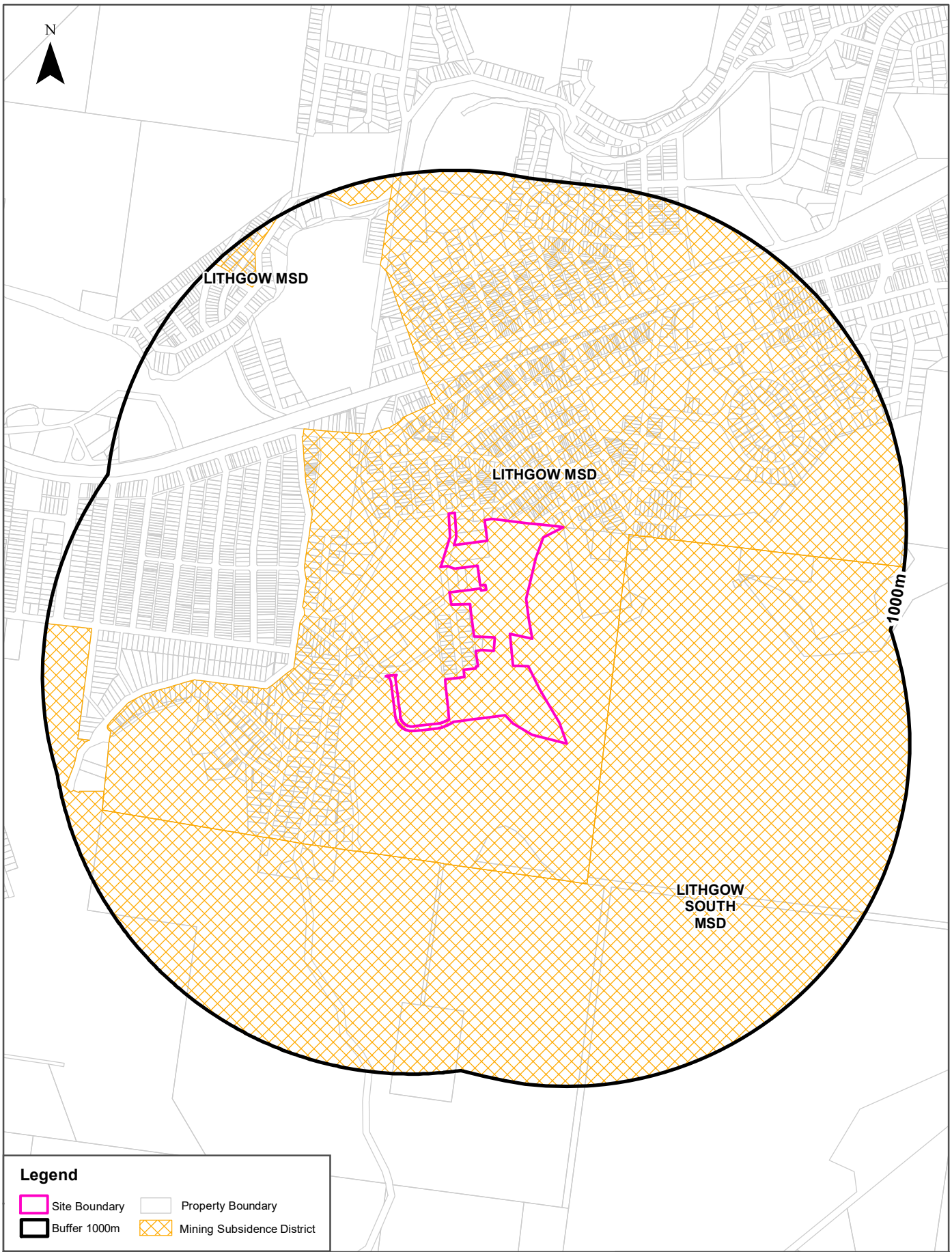
What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A		

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Mining Subsidence Districts

Pottery Estate, Lake Lyell, NSW 2790



Data Sources: Property Boundaries:© Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Mining

Pottery Estate, Lake Lyell, NSW 2790

Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
LITHGOW	0m	On-site
LITHGOW SOUTH	109m	South

Mining Subsidence District Data Source: © Land and Property Information (2016)
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Mining & Exploration Titles

Pottery Estate, Lake Lyell, NSW 2790



Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Mining

Pottery Estate, Lake Lyell, NSW 2790

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer								

Current Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL483	EAST COAST POWER PTY LTD	20100506	30000101	MINERALS		0m	On-site
EL0090	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	19670201	19680201	MINERALS		0m	On-site
PEL0073	WOOD, A.J.			PETROLEUM	Petroleum	0m	On-site
CL577	THE LITHGOW VALLEY COLLIERY CO PTY LTD	19820101	30000101	MINERALS		0m	On-site
PEL0483	EAST COAST POWER PTY LTD	20100605	20110411	PETROLEUM	Petroleum	0m	On-site
PEL0102	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	775m	East
EL0089	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	19670201	19680201	MINERALS		823m	East
CL585	THE LITHGOW VALLEY COLLIERY CO PTY LTD	19820101	30000101	MINERALS		912m	North

Historical Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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State Environmental Planning Policy

Pottery Estate, Lake Lyell, NSW 2790

State Significant Precincts

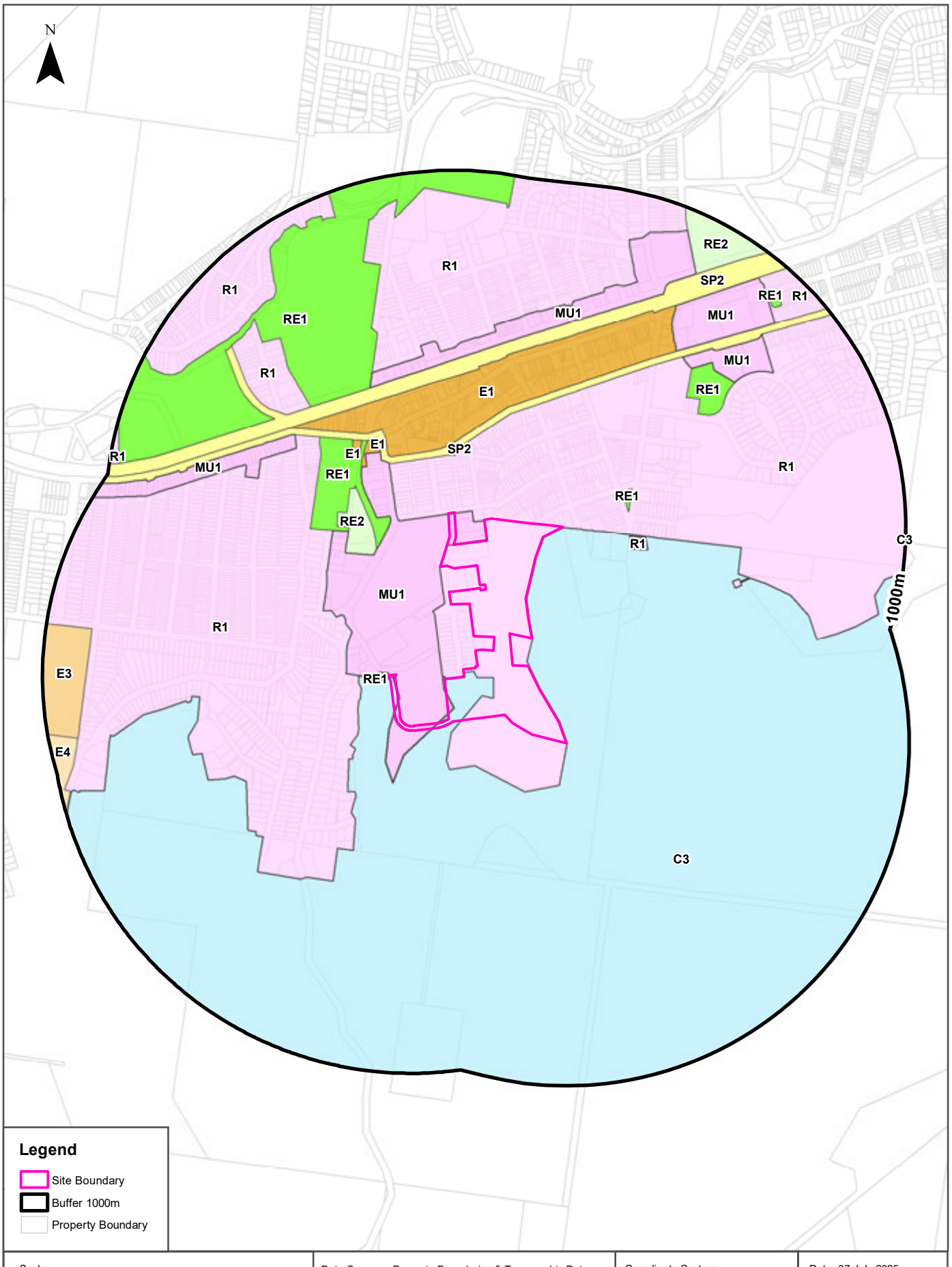
What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

State Environment Planning Policy Data Source: NSW Crown Copyright - Planning & Environment
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EPI Planning Zones

Pottery Estate, Lake Lyell, NSW 2790



Environmental Planning Instrument

Pottery Estate, Lake Lyell, NSW 2790

Land Zoning

What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
MU1	Mixed Use		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	West
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	79m	West
SP2	Infrastructure	Roads and Traffic Facility	Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	167m	North
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	171m	North West
E1	Local Centre		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	189m	North
RE2	Private Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	193m	North West

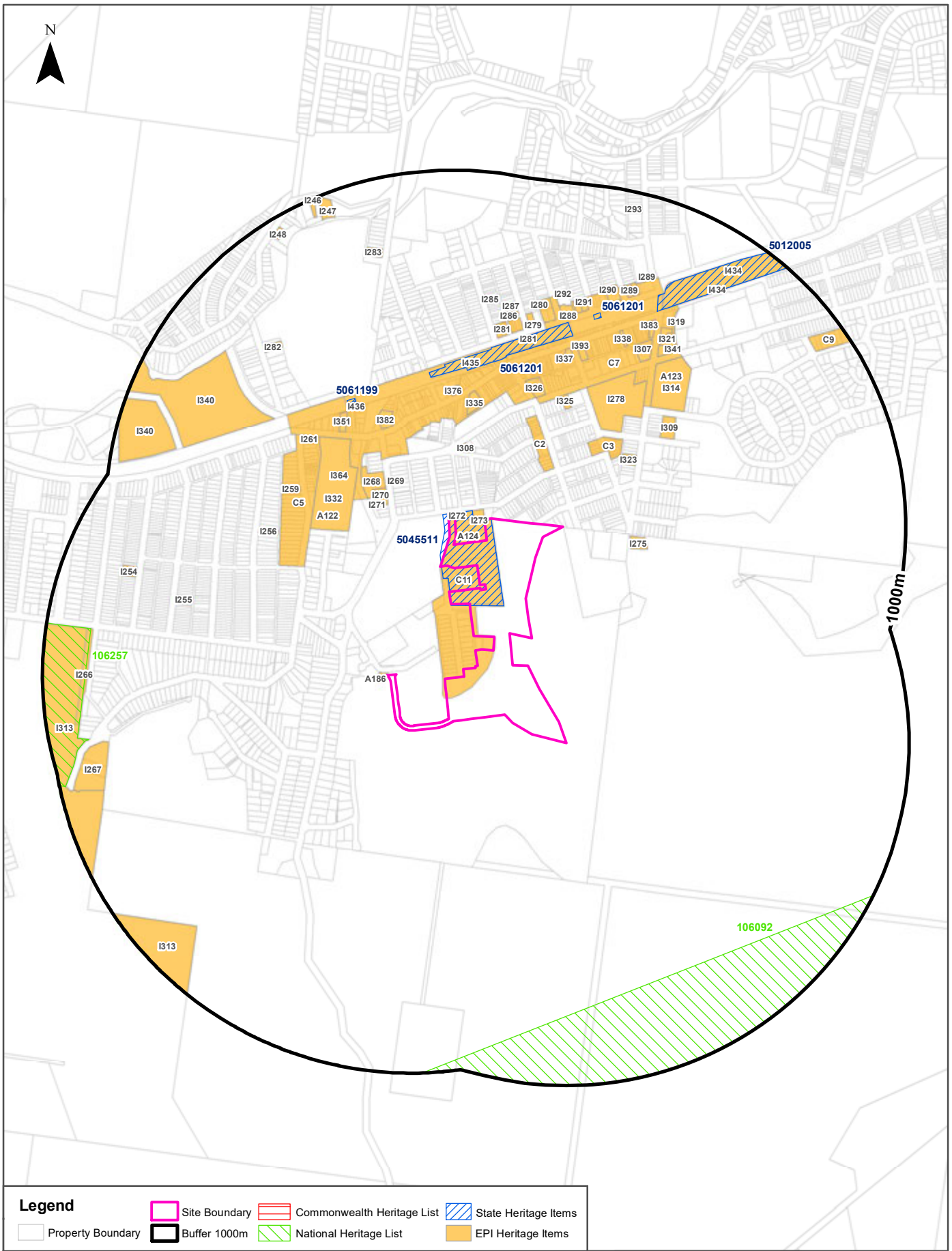
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	195m	North East
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	196m	North East
E1	Local Centre		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	269m	North West
E1	Local Centre		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	311m	North West
SP2	Infrastructure	Rail Infrastructure Facility	Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	378m	North
MU1	Mixed Use		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	420m	North
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	433m	North West
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	461m	North
MU1	Mixed Use		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	484m	North West
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	509m	North West
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	513m	North East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
MU1	Mixed Use		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	594m	North East
MU1	Mixed Use		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	608m	North East
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	811m	North West
RE2	Private Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	833m	North East
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	856m	North East
E3	Productivity Support		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	867m	West
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	887m	North East
E4	General Industrial		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	915m	West
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	972m	North West

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Heritage Items

Pottery Estate, Lake Lyell, NSW 2790



Legend

Property Boundary	Site Boundary	Commonwealth Heritage List	State Heritage Items
	Buffer 1000m	National Heritage List	EPI Heritage Items

Scale: 0 100 200 400 600 800 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025
Heritage - NSW Crown Copyright - Planning & Environment

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Heritage

Pottery Estate, Lake Lyell, NSW 2790

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?
Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
106092	Hartley Valley	Great Western Hwy, Hartley NSW	1/14/006/0063	Historic	Nomination now ineligible for PPAL		742m	South East
106257	Former Commonwealth Small Arms Factory Lithgow	Methven St Lithgow NSW	1/07/234/0001	Historic	Nominated place		869m	West

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5045511	Lithgow Valley Colliery & Pottery Site	Bent Street, Lithgow	LITHGOW CITY	02/04/1999	00078	272	0m	On-site
5061201	Lithgow Railway Station Group and Residence	Railway Parade, Lithgow	LITHGOW CITY	30/08/2013	01833	2561	400m	North
5061199	Lithgow (James Street) Underbridge	James Street, Lithgow	LITHGOW CITY	30/08/2013	01831	2559	424m	North West
5061201	Lithgow Railway Station Group and Residence	Railway Parade, Lithgow	LITHGOW CITY	30/08/2013	01833	2561	613m	North
5012005	Eskbank Railway Station group	Main Western railway, Lithgow	LITHGOW CITY	02/04/1999	01138	2411	686m	North East

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
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Environmental Planning Instrument - Heritage

What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
A124	Lithgow Valley Pottery and Brickworks	Item - Archaeological	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	0m	On-site
C11	Pottery Estate	Conservation Area - General	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	0m	On-site
A186	Lithgow Valley Colliery Quoits Field	Item - Archaeological	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	0m	West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I272	Lithgow Valley Colliery Office	Item - General	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	0m	North
I273	Former LVC Managers Residence	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	0m	North
C2	Cook St	Conservation Area - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	153m	North
I271	Terrace	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	179m	North West
I308	Lithgow Catholic Presbytery	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	180m	North
I270	Cottage - Duplex	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	188m	North West
I269	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	193m	North West
I275	Hillcrest	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	196m	North East
I268	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	199m	North West
C7	Lithgow Main St	Conservation Area - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	209m	North
C3	Eskbank St	Conservation Area - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	223m	North East
I323	Terrace	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	250m	North East
A122	Lithgow War Memorial	Item - Archaeological	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	282m	North West
I364	War Memorial Statue	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	282m	North West
I332	Charles Lewins Memorial Rotunda	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	282m	North West
I335	Tattersals Hotel	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	287m	North
I382	Commercial Hotel	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	304m	North West
I278	Lithgow Public School Group	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	304m	North East
I376	National Australia Bank	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	341m	North
I325	Former Methodist Church	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	341m	North
I326	Former Tafe College	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	366m	North
I351	Theatre Royal	Item - General	Local	Lithgow Local Environmental Plan 2014	13/11/2015	13/11/2015	13/11/2015	383m	North West
I309	Former St Mary's Presbyterian Church	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	383m	North East
C5	Hassans walls rd	Conservation Area - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	393m	North West

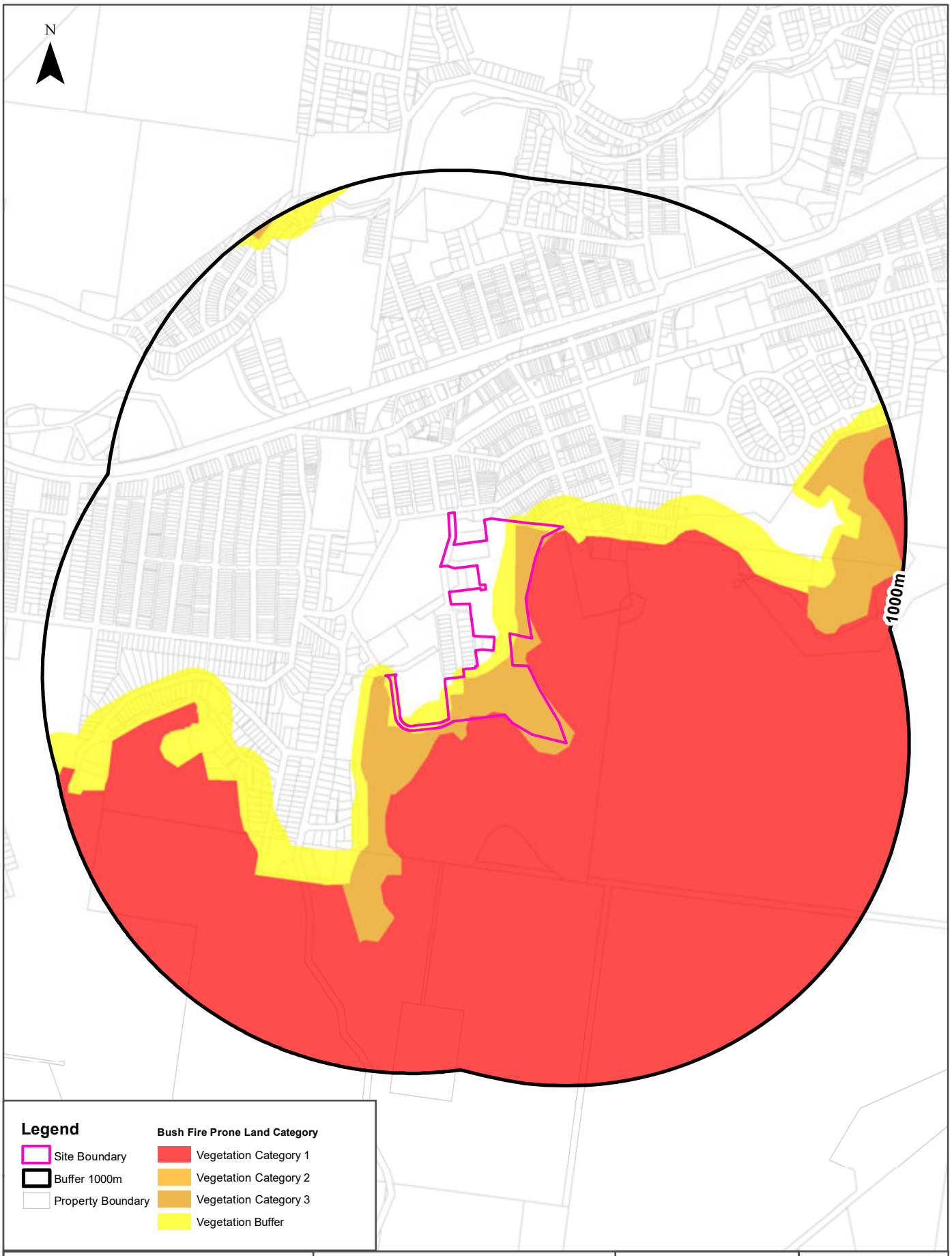
Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I435	6. Lithgow Railway Station Group and Residence	Item - General	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	399m	North
I436	7. Stone Viaduct James Street	Item - General	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	410m	North West
I314	Hoskins Memorial Presbyterian Church	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	432m	North East
A123	Sorensen Memorial	Item - Archaeological	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	432m	North East
I259	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	438m	North West
I261	Edwardian House Group	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	439m	North West
I337	ANZ Bank Building	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	480m	North
I256	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	483m	North West
I393	The Grand Central Hotel	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	486m	North
I281	Railway Parade Cottages	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	523m	North
I307	Lithgow Court House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	530m	North East
I281	Railway Parade Cottages	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	543m	North
I338	Office Building	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	554m	North East
I279	Waratah	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	567m	North
I341	Charles Hoskins Memorial Inst. Library	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	567m	North East
I340	Showground Grandstand and Buildings	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	579m	North West
I280	St Paul's Anglican Church, Rectory and Hall	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	584m	North
I286	Florence	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	589m	North
I321	Union Theatre	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	599m	North East
I255	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	603m	West
I383	Court House Hotel	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	605m	North East
I287	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	606m	North
I288	Former Post Office	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	607m	North
I285	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	621m	North

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I319	The Tin Shed	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	624m	North East
I292	Former Union Offices	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	624m	North
I291	Former Trades Hall	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	631m	North
I290	Co-op bakery & pharmacy former	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	666m	North
I282	Cottage	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	686m	North West
I289	Co-operative Store (West Fund)	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	695m	North
I434	4. Eskbank Railway Station Group	Item - General	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	696m	North East
I289	Co-operative Store (Kings Chinese)	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	705m	North
I283	House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	771m	North
I254	Laurence Street Group	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	784m	West
I434	3. Eskbank Signal Box	Item - General	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	812m	North East
I340	Showground Grandstand and Buildings	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	817m	North West
I267	Commonwealth Avenue Houses	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	829m	West
I313	Small Arms Factory	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	833m	West
I266	Avenue of Plane Trees	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	863m	West
C9	Mort St	Conservation Area - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	895m	North East
I247	Hermitage Colliery Directors House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	924m	North
I293	former shop and residence	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	936m	North
I248	Rosebank	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	941m	North West
I246	The Hermitage	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	946m	North West

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Natural Hazards - Bush Fire Prone Land

Pottery Estate, Lake Lyell, NSW 2790



Data Sources: Bush Fire Prone Land: © NSW Rural Fire Service 2025. Property Boundaries: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Natural Hazards

Pottery Estate, Lake Lyell, NSW 2790

Bush Fire Prone Land

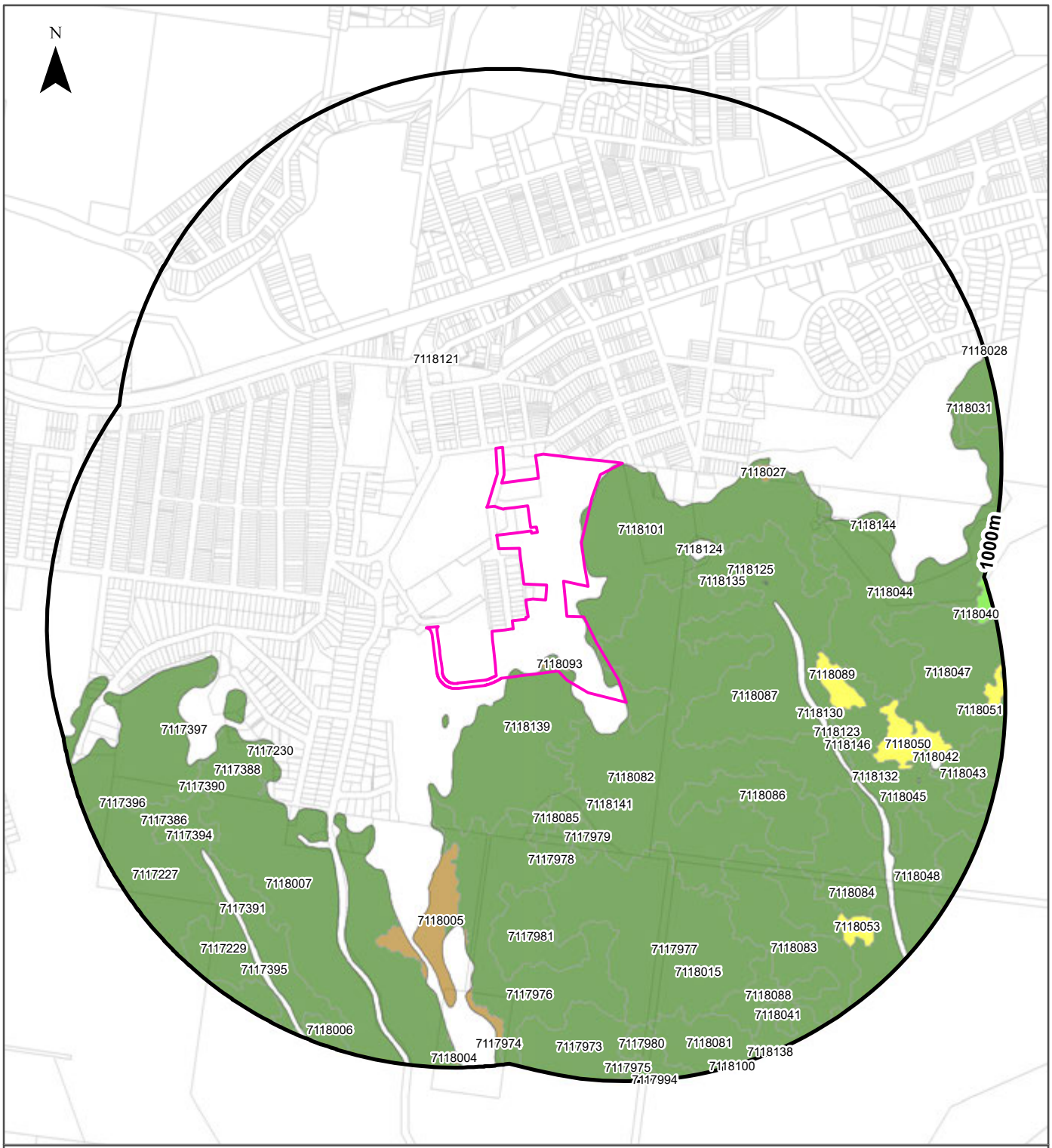
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Category 1	0m	On-site
Vegetation Category 3	0m	On-site
Vegetation Buffer	0m	On-site

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Vegetation & Ramsar Wetlands

Pottery Estate, Lake Lyell, NSW 2790



Site Boundary
ReportBuffer
Property Boundary
Ramsar Wetland

Native Vegetation

Alpine Complex
Arid Shrublands (Acacia sub-formation)
Arid Shrublands (Chenopod sub-formation)
Dry Sclerophyll Forests (Shrub/grass sub-formation)
Dry Sclerophyll Forests (Shrubby sub-formation)
Forested Wetlands
Freshwater Wetlands
Grasslands
Grassy Woodlands
Heathlands
Rainforests
Saline Wetlands
Semi-arid Woodlands (Grassy sub-formation)
Semi-arid Woodlands (Shrubby sub-formation)
Wet Sclerophyll Forests (Grassy sub-formation)
Wet Sclerophyll Forests (Shrubby sub-formation)
Non vegetated
Unattributed
Not classified
Other

Scale: 0 100 200 400 600 800 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 07 July 2025

Ecological Constraints

Pottery Estate, Lake Lyell, NSW 2790

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7118082	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	0m	On-site
7118093	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Grassy Box Woodland	Southern Tableland Grassy Woodlands	0m	On-site
7118101	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Southern Tableland Western Hills Scribbly Gum Forest	Southern Tableland Dry Sclerophyll Forests	0m	On-site
7118121	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7118129	Not classified	(Not classified) Not classified	Not classified	127m	South
7118139	Not classified	(Not classified) Not classified	Not classified	132m	South
7118087	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Upper Blue Mountains Ridgetop Woodland	Sydney Montane Dry Sclerophyll Forests	147m	East
7118085	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Upper Blue Mountains Ridgetop Woodland	Sydney Montane Dry Sclerophyll Forests	248m	South
7118141	Not classified	(Not classified) Not classified	Not classified	259m	South
7118086	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Upper Blue Mountains Ridgetop Woodland	Sydney Montane Dry Sclerophyll Forests	263m	South East
7118124	Not classified	(Not classified) Not classified	Not classified	276m	East
7117976	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	294m	South
7117979	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Peppermint Sheltered Forest	Sydney Montane Dry Sclerophyll Forests	330m	South
7118027	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Grassy Box Woodland	Southern Tableland Grassy Woodlands	336m	North East
7117978	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Peppermint Sheltered Forest	Sydney Montane Dry Sclerophyll Forests	349m	South
7118135	Not classified	(Not classified) Not classified	Not classified	352m	East
7117977	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Upper Blue Mountains Ridgetop Woodland	Sydney Montane Dry Sclerophyll Forests	377m	South
7118005	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Swamp Woodland	Subalpine Woodlands	406m	South
7118007	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	417m	South West
7118125	Not classified	(Not classified) Not classified	Not classified	427m	East
7118044	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	430m	East
7118130	Not classified	(Not classified) Not classified	Not classified	454m	South East
7118149	Not classified	(Not classified) Not classified	Not classified	460m	East
7118131	Not classified	(Not classified) Not classified	Not classified	462m	East
7117230	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	471m	South West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7118083	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Silvertop Ash Woodland	Sydney Montane Dry Sclerophyll Forests	474m	South East
7118089	Heathlands	(Heathlands) Newnes Plateau Rockplate Heath	Sydney Montane Heaths	502m	East
7117981	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Southern Tableland Western Hills Scribbly Gum Forest	Southern Tableland Dry Sclerophyll Forests	525m	South
7118045	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Silvertop Ash Woodland	Sydney Montane Dry Sclerophyll Forests	549m	South East
7118142	Not classified	(Not classified) Not classified	Not classified	554m	South East
7118123	Not classified	(Not classified) Not classified	Not classified	560m	South East
7118048	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Peppermint Sheltered Forest	Sydney Montane Dry Sclerophyll Forests	565m	South East
7118145	Not classified	(Not classified) Not classified	Not classified	566m	South East
7117388	Not classified	(Not classified) Not classified	Not classified	568m	South West
7118143	Not classified	(Not classified) Not classified	Not classified	572m	South East
7118126	Not classified	(Not classified) Not classified	Not classified	586m	South East
7118146	Not classified	(Not classified) Not classified	Not classified	592m	South East
7118134	Not classified	(Not classified) Not classified	Not classified	598m	South East
7118144	Not classified	(Not classified) Not classified	Not classified	654m	East
7118050	Heathlands	(Heathlands) Newnes Plateau Rockplate Heath	Sydney Montane Heaths	663m	South East
7117389	Not classified	(Not classified) Not classified	Not classified	670m	South West
7117390	Not classified	(Not classified) Not classified	Not classified	676m	South West
7118047	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Upper Blue Mountains Ridgetop Woodland	Sydney Montane Dry Sclerophyll Forests	677m	East
7117397	Not classified	(Not classified) Not classified	Not classified	678m	West
7117229	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Upper Blue Mountains Ridgetop Woodland	Sydney Montane Dry Sclerophyll Forests	680m	South West
7118132	Not classified	(Not classified) Not classified	Not classified	681m	South East
7118084	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Silvertop Ash Woodland	Sydney Montane Dry Sclerophyll Forests	688m	South East
7118015	Not classified	(Not classified) Not classified	Not classified	731m	South
7118088	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Peppermint Sheltered Forest	Sydney Montane Dry Sclerophyll Forests	750m	South East
7117394	Not classified	(Not classified) Not classified	Not classified	756m	South West
7117395	Not classified	(Not classified) Not classified	Not classified	767m	South West
7117391	Not classified	(Not classified) Not classified	Not classified	790m	South West
7118053	Heathlands	(Heathlands) Upper Blue Mountains Mallee Heath	Sydney Montane Heaths	792m	South East
7118127	Not classified	(Not classified) Not classified	Not classified	794m	South East
7117227	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	795m	South West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7117973	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	795m	South
7117386	Not classified	(Not classified) Not classified	Not classified	804m	South West
7118081	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	815m	South
7118042	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	816m	South East
7118140	Not classified	(Not classified) Not classified	Not classified	816m	South East
7118043	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	819m	South East
7117980	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	849m	South
7118031	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Southern Tableland Western Hills Scribbly Gum Forest	Southern Tableland Dry Sclerophyll Forests	868m	North East
7118041	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	876m	South East
7117974	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	887m	South
7117396	Not classified	(Not classified) Not classified	Not classified	893m	South West
7117392	Not classified	(Not classified) Not classified	Not classified	896m	South West
7118006	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	929m	South West
7118051	Heathlands	(Heathlands) Newnes Plateau Rockplate Heath	Sydney Montane Heaths	933m	East
7118004	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Grassy Box Woodland	Southern Tableland Grassy Woodlands	934m	South
7117975	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	947m	South
7118040	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Capertee Slopes Stringybark-Box Forest	Upper Riverina Dry Sclerophyll Forests	947m	East
7117998	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	990m	South
7118138	Not classified	(Not classified) Not classified	Not classified	994m	South East
7118028	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	995m	North East
7118100	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	995m	South
7117265	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	996m	South
7117994	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	996m	South
7117993	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	997m	South
7117999	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	997m	South

Native Vegetation Type Map : NSW Department of Planning and Environment 2022
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Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

Map ID	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Agriculture, Water and the Environment

Ecological Constraints

Pottery Estate, Lake Lyell, NSW 2790

Collaborative Australian Protected Areas Database - Terrestrial

Protected areas in terrestrial environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Collaborative Australian Protected Areas Database - Marine

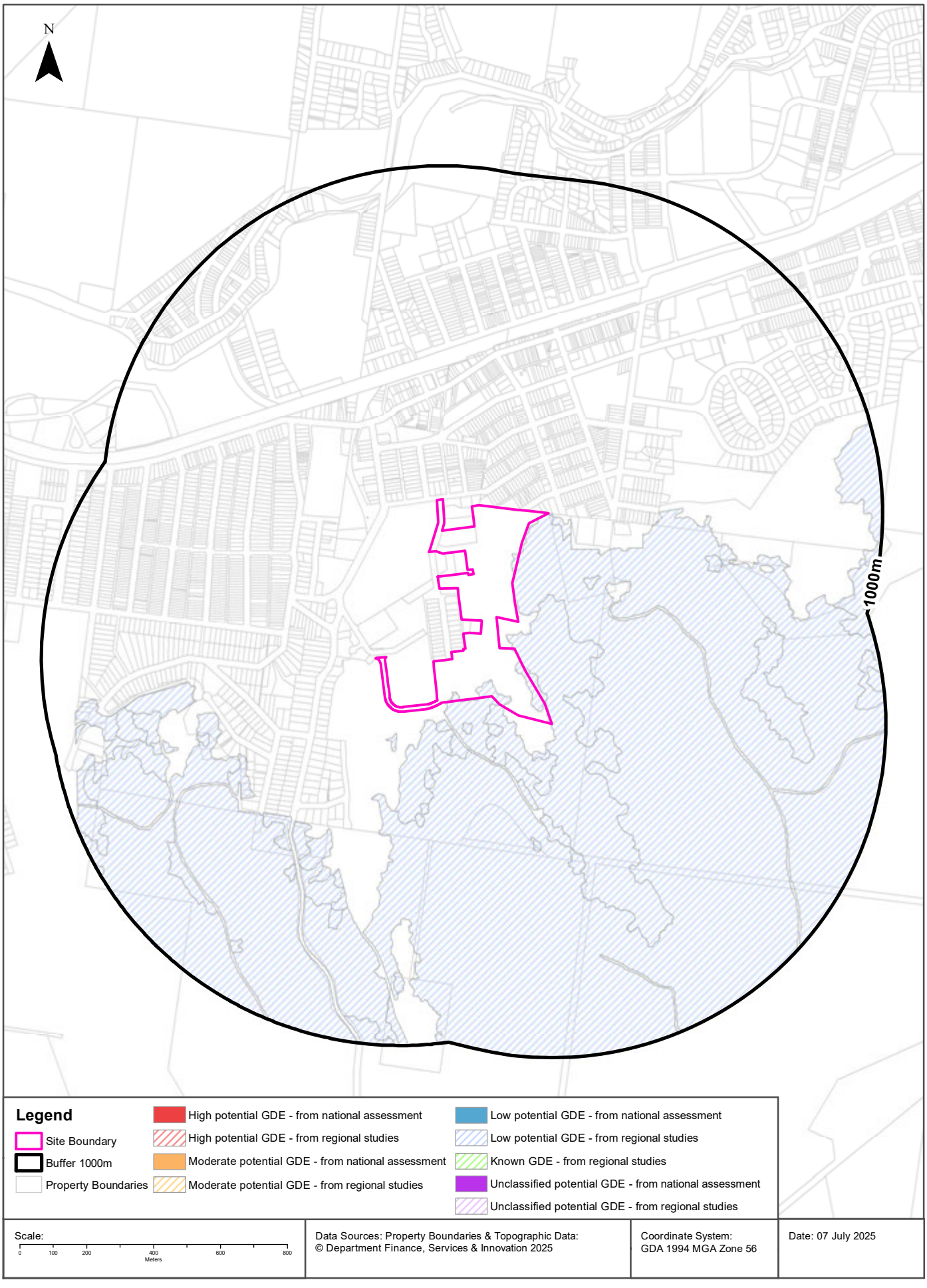
Protected areas in marine environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Source: Collaborative Australian Protected Areas Database (CAPAD) 2022
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Ecological Constraints - Groundwater Dependent Ecosystems Atlas

Pottery Estate, Lake Lyell, NSW 2790



Ecological Constraints

Pottery Estate, Lake Lyell, NSW 2790

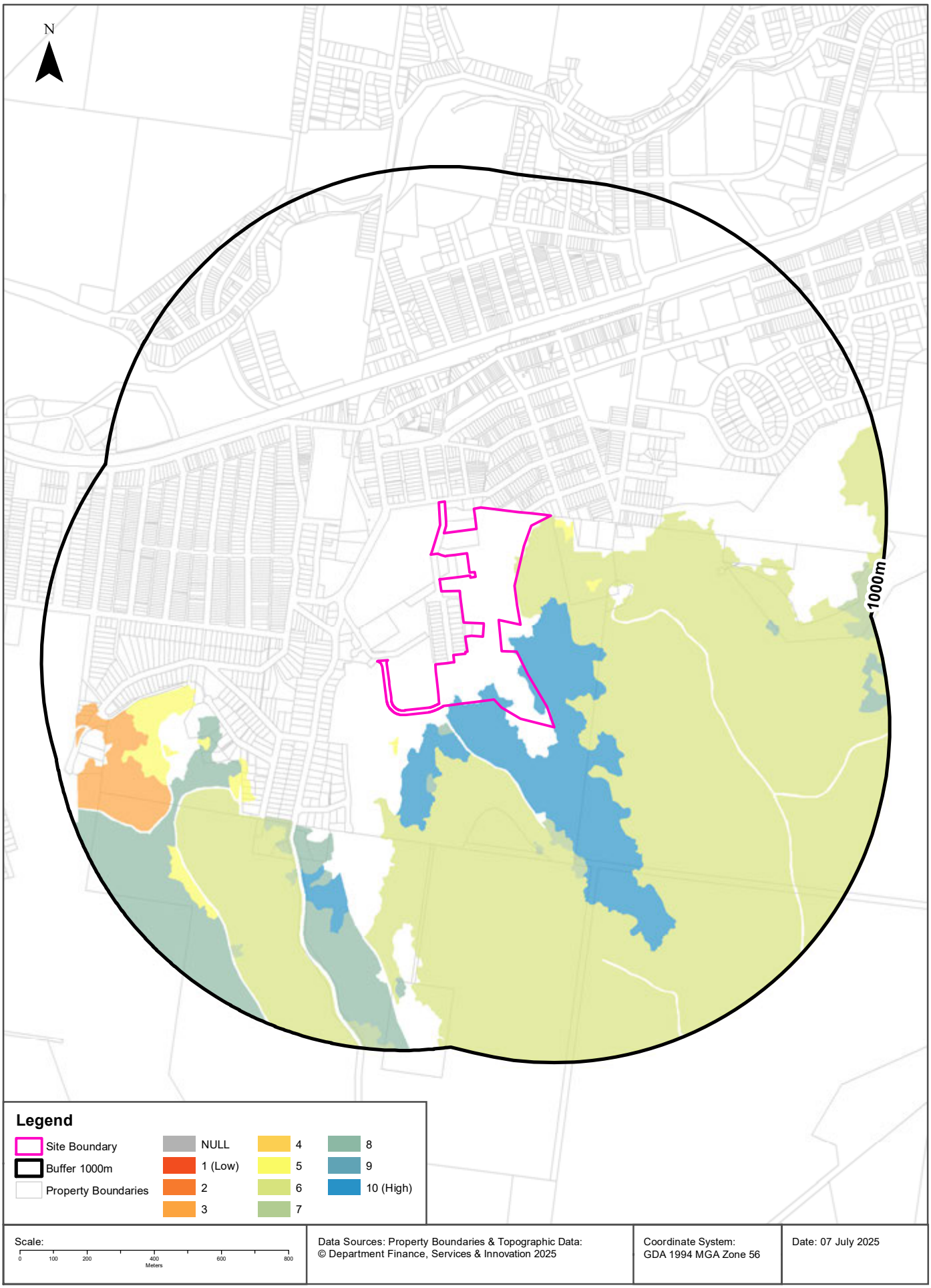
Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	Low potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints - Inflow Dependent Ecosystems Likelihood

Pottery Estate, Lake Lyell, NSW 2790



Ecological Constraints

Pottery Estate, Lake Lyell, NSW 2790

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	10	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	6	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	5	Deeply dissected sandstone plateaus.	Vegetation		18m	North East
Terrestrial	8	Deeply dissected sandstone plateaus.	Vegetation		47m	South
Terrestrial	7	Deeply dissected sandstone plateaus.	Vegetation		272m	South
Terrestrial	3	Deeply dissected sandstone plateaus.	Vegetation		699m	South West

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology

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Ecological Constraints

Pottery Estate, Lake Lyell, NSW 2790

NSW BioNet Species Sightings

Species sightings from the NSW BioNet Repository that have either a state or federal conservation status, or a sensitivity status, and are within 10 km of the site:
Note: This data does not include NSW Category 1 sensitive species.

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Category 2	Critically Endangered	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Category 3	Endangered	Endangered	
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Category 2	Vulnerable	Not Listed	
Animalia	Aves	Calyptorhynchus lathami lathami	South-eastern Glossy Black-Cockatoo	Category 2	Vulnerable	Vulnerable	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;JAMBA
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lathamus discolor	Swift Parrot	Not Sensitive	Endangered	Critically Endangered	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Manorina melanotis	Black-eared Miner	Not Sensitive	Critically Endangered	Endangered	
Animalia	Aves	Melanodryas cucullata cucullata	South-eastern Hooded Robin	Not Sensitive	Endangered	Endangered	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Oxyura australis	Blue-billed Duck	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Parvipsitta pusilla	Little Lorikeet	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Petroica phoenicea	Flame Robin	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pomatostomus temporalis temporalis	Grey-crowned Babbler (eastern subspecies)	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pycnoptilus floccosus	Pilotbird	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Not Sensitive	Vulnerable	Vulnerable	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Strepera graculina crissalis	Pied Currawong (Lord Howe Is. subsp.)	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Category 3	Vulnerable	Not Listed	
Animalia	Insecta	Paralucia spinifera	Purple Copper Butterfly, Bathurst Copper Butterfly	Not Sensitive	Endangered	Vulnerable	
Animalia	Insecta	Petalura gigantea	Giant Dragonfly	Not Sensitive	Endangered	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Not Sensitive	Vulnerable	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Notomys mitchellii	Mitchell's Hopping-mouse	Not Sensitive	Extinct	Not Listed	
Animalia	Mammalia	Nyctophilus bifax	Eastern Long-eared Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Petauroides volans	Southern Greater Glider	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Vespadelus troughtoni	Eastern Cave Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Reptilia	Aspidites ramsayi	Woma	Not Sensitive	Vulnerable	Not Listed	
Animalia	Reptilia	Eulamprus leuraensis	Blue Mountains Water Skink	Not Sensitive	Endangered	Endangered	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Not Sensitive	Endangered	Vulnerable	
Plantae	Flora	Acacia meiantha		Not Sensitive	Endangered	Endangered	
Plantae	Flora	Asterolasia buxifolia		Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Boronia deanei	Deane's Boronia	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Caesia parviflora var. minor	Small Pale Grass-lily	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Dillwynia tenuifolia		Not Sensitive	Vulnerable	Not Listed	
Plantae	Flora	Eucalyptus aggregata	Black Gum	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Not Sensitive	Vulnerable	Vulnerable	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Eucalyptus pulverulenta	Silver-leafed Gum	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Not Sensitive	Endangered	Vulnerable	
Plantae	Flora	Genoplesium superbum	Superb Midge Orchid	Category 2	Endangered	Not Listed	
Plantae	Flora	Kunzea rupestris		Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Lastreopsis hispida	Bristly Shield Fern	Category 3	Endangered	Not Listed	
Plantae	Flora	Persoonia acerosa	Needle Geebung	Not Sensitive	Vulnerable	Endangered	
Plantae	Flora	Persoonia hindii		Not Sensitive	Endangered	Endangered	
Plantae	Flora	Persoonia marginata	Clandulla Geebung	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Persoonia oxycoccoides		Not Sensitive	Endangered	Endangered	
Plantae	Flora	Prasophyllum pallens	Musty Leek Orchid	Category 2	Vulnerable	Not Listed	
Plantae	Flora	Pultenaea glabra	Smooth Bush-Pea	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Velleia perfoliata		Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Veronica blakelyi		Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Xerochrysum palustre	Swamp Everlasting	Not Sensitive	Not Listed	Vulnerable	

Source: NSW BioNet Species Sightings

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Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading “LC” or “LocConf”. These codes lookup to the following location confidences:

LC Code	Location Confidence
Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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   (j) the Report should not be relied upon for determining saleability or value or making any other decisions in relation to the Property and in particular should not be taken to be a rating or assessment of the desirability or market value of the property or its features; and
   (k) the End User should undertake its own inspections of the Land or Property to satisfy itself that there are no defects or failures
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LOTSEARCH ENVIRO PROFESSIONAL

Date: 04 Jul 2025 11:21:22

Reference: LS086752 EP

Address: South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Disclaimer:
The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features.
You should obtain independent advice before you make any decision based on the information within the report.
The detailed terms applicable to use of this report are set out at the end of this report.

Dataset Listing

Datasets contained within this report, detailing their source and data currency:

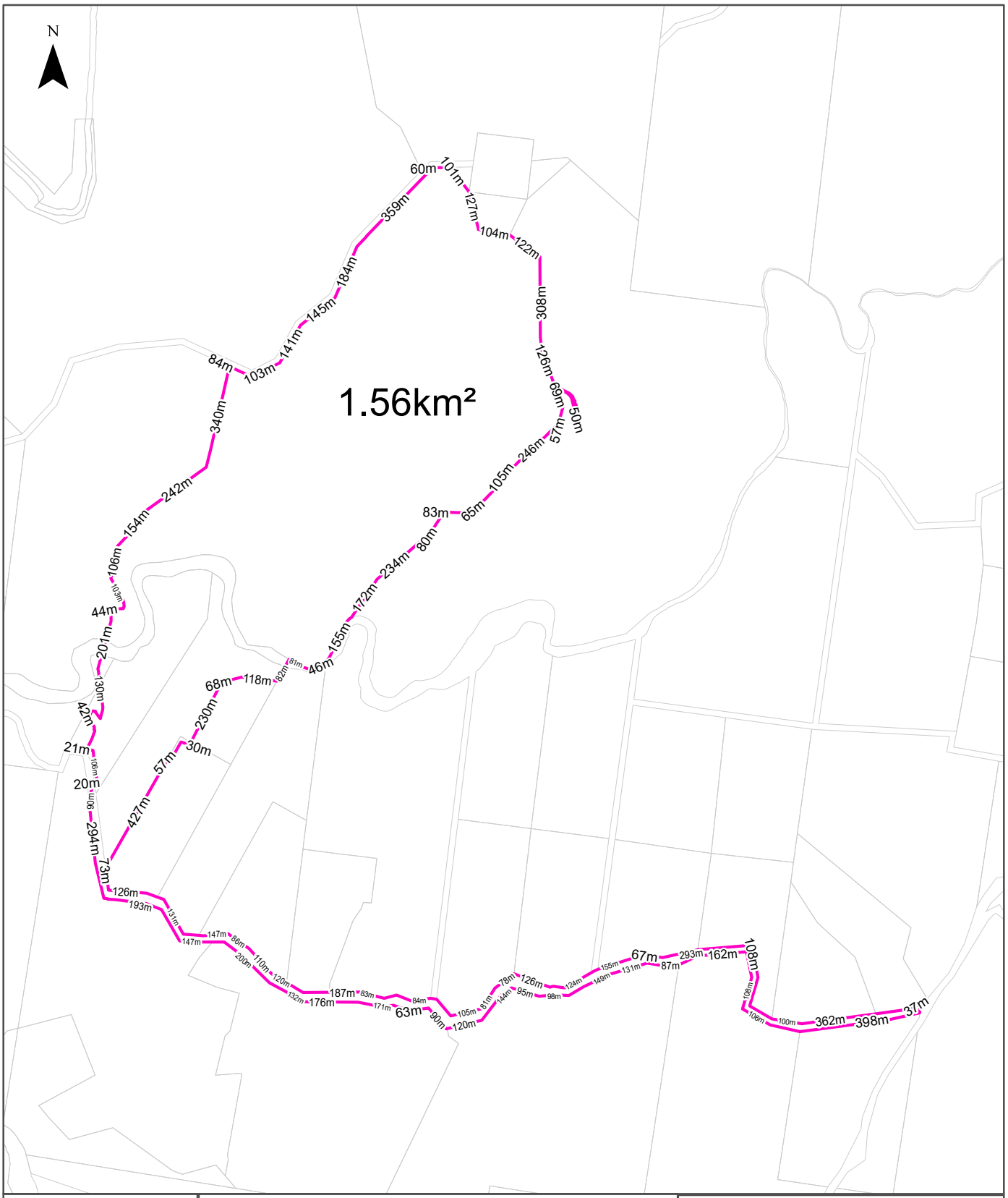
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	24/06/2025	24/06/2025	Monthly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	20/05/2025	20/05/2025	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority NSW	10/06/2025	08/05/2025	Monthly	1000m	0	0	0
Contaminated Land Records of Notice	Environment Protection Authority NSW	11/06/2025	11/06/2025	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority NSW	20/05/2025	15/05/2025	Quarterly	1000m	0	0	0
Notices under the POEO Act 1997	Environment Protection Authority NSW	30/06/2025	30/06/2025	Monthly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	30/05/2025	19/01/2023	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	16/10/2024	19/01/2023	Annually	1000m	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority NSW	30/06/2025	05/02/2025	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Australian Department of Defence	11/06/2025	11/06/2025	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Australian Department of Defence	11/06/2025	11/06/2025	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	11/06/2025	21/05/2025	Monthly	2000m	0	0	0
Defence Controlled Areas	Australian Department of Defence	10/04/2025	10/04/2025	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Australian Department of Defence	11/06/2025	02/09/2022	Quarterly	2000m	0	0	0
National Unexploded Ordnance (UXO)	Australian Department of Defence	10/04/2025	10/04/2025	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority NSW	28/11/2024	15/12/2022	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	0	0	0
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	3	3	3
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	0	0	0
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	0	0
Points of Interest	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	1	6
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	0	1
Major Easements	NSW Department of Customer Service - Spatial Services	20/05/2025	20/05/2025	Quarterly	1000m	0	2	3
State Forest	Forestry Corporation of NSW	18/12/2024	11/11/2024	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Geoscience Australia	22/04/2025	19/08/2019	Annually	1000m	1	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024	NSW Department of Climate Change, Energy, the Environment and Water	13/05/2025	28/06/2024	Quarterly	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	30/05/2025	04/03/2025	Annually	2000m	0	0	10
NSW Seamless Geology Single Layer: Rock Units	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	5	5	7
NSW Seamless Geology Single Layer: Geological Boundaries and Faults	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Trendlines	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Fold Axes	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	2
Naturally Occurring Asbestos Potential	NSW Department of Primary Industries and Regional Development	05/05/2025	30/09/2015	Annually	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	15/01/2025	17/02/2011	Annually	1000m	2	2	3
Soil Landscapes of Central and Eastern NSW	NSW Department of Climate Change, Energy, the Environment and Water	18/12/2024	27/07/2020	Annually	1000m	5	5	8
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Housing and Infrastructure	26/06/2025	09/05/2025	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	15/01/2025	21/02/2013	Annually	1000m	2	2	3
Dryland Salinity - National Assessment	Australian Bureau of Agricultural and Resource Economics and Sciences	03/06/2025	15/04/2025	Annually	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service	20/05/2025	20/05/2025	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	4	4	5
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Housing and Infrastructure	26/06/2025	08/09/2023	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Housing and Infrastructure	26/06/2025	13/06/2025	Monthly	1000m	2	5	10
Commonwealth Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	1
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	20/05/2025	21/03/2025	Quarterly	1000m	0	0	0
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Housing and Infrastructure	26/06/2025	13/06/2025	Monthly	1000m	0	0	0
Bush Fire Prone Land	NSW Rural Fire Service	24/06/2025	23/06/2025	Monthly	1000m	3	3	3
NSW Native Vegetation Type Map	NSW Department of Climate Change, Energy, the Environment and Water	28/05/2025	04/10/2024	Quarterly	1000m	50	64	255
Ramsar Wetlands of Australia	Australian Department of Climate Change, Energy, the Environment and Water	19/05/2025	05/03/2025	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Terrestrial	Australian Department of Climate Change, Energy, The Environment and Water	20/03/2025	19/06/2024	Annually	1000m	0	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Marine	Australian Department of Climate Change, Energy, The Environment and Water	20/03/2025	30/06/2022	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	30/05/2025	07/05/2020	Annually	1000m	3	3	5
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	30/05/2025	07/05/2020	Annually	1000m	3	3	12
NSW BioNet Species Sightings	NSW Department of Climate Change, Energy, the Environment and Water	13/06/2025	13/06/2025	Monthly	10000m	-	-	-

Site Diagram

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 1.56km²

Total Perimeter: 13.14km

Disclaimers:

Measurements are approximate only and may have been simplified or smaller lengths removed for readability.

Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Scale: 0 75 150 300 450 600 750 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Contaminated Land

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist	Direction
N/A	No records in buffer								

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
N/A	No records in buffer							

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

EPA Notices

Penalty Notices, s.91 & s.92 Clean up Notices and s.96 Prevention Notices within the dataset buffer:

Map ID	Number	Type	Name	Address	Status	Issued Date	Act	Offence	Offence Date	Loc Conf	Dist	Dir
N/A	No records in buffer											

NSW EPA Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

National Waste Management Facilities Database

Sites on the National Waste Management Facilities Database within the dataset buffer:

Map ID	Owner	Name	Address	Management Type	Facility Type	Status	Loc Conf	Dist	Dir
N/A	No records in buffer								

Source: Waste Management Facilities Database
Creative Commons 4.0 © Commonwealth of Australia (Geoscience Australia) 2022

National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Direction
N/A	No records in buffer										

National Liquid Fuel Facilities Data Source: Geoscience Australia
Creative Commons 4.0 © Commonwealth of Australia

PFAS Investigation & Management Programs

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Map ID	Site	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites and Unexploded Ordnance

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Defence Controlled Areas (DCA)

Defence Controlled Areas provided by the Department of Defence within the dataset buffer:

Site ID	Location Name	Loc Conf	Dist	Dir
N/A	No records in buffer			

Defence Controlled Areas, Data Custodian: Department of Defence, Australian Government

Defence 3 Year Regional Contamination Investigation Program (RCIP)

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

National Unexploded Ordnance (UXO)

Sites which have been assessed by the Department of Defence for the potential presence of unexploded ordnance within the dataset buffer:

Site ID	Location Name	Category	Area Description	Additional Information	Commonwealth	Loc Conf	Dist	Dir
N/A	No records in buffer							

National Unexploded Ordnance (UXO), Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasminco Lead Abatement Strategy Area

Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

EPA Activities

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Licensed Activities under the POEO Act 1997

Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

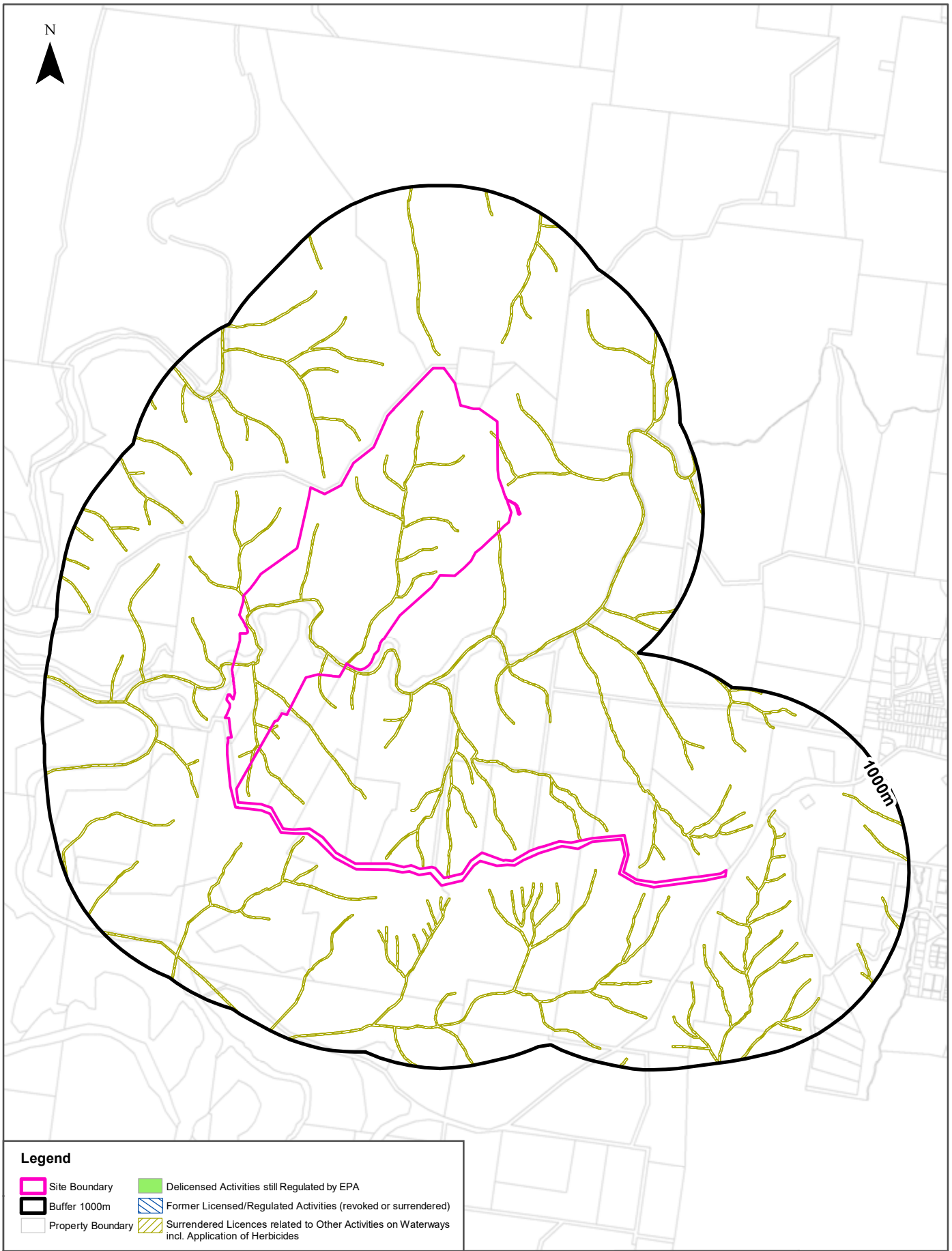
EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



EPA Activities

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

Delicensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site

Former Licensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Historical Business Directories

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Business Directory Records 1950-1991
Premise or Road Intersection Matches

Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

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Business Directory Records 1950-1991
Road or Area Matches

Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer					

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Historical Business Directories

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

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Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

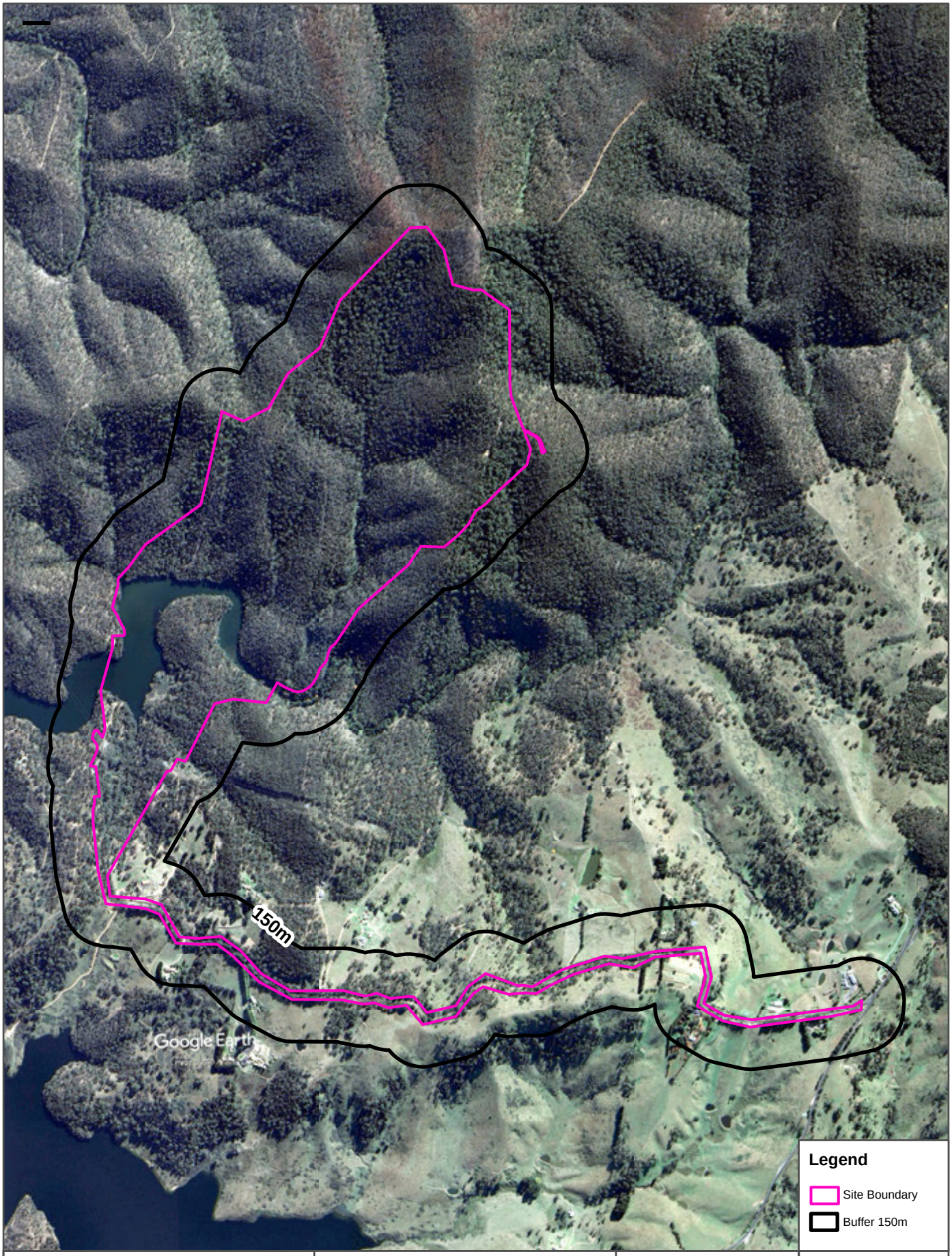
Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer					

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

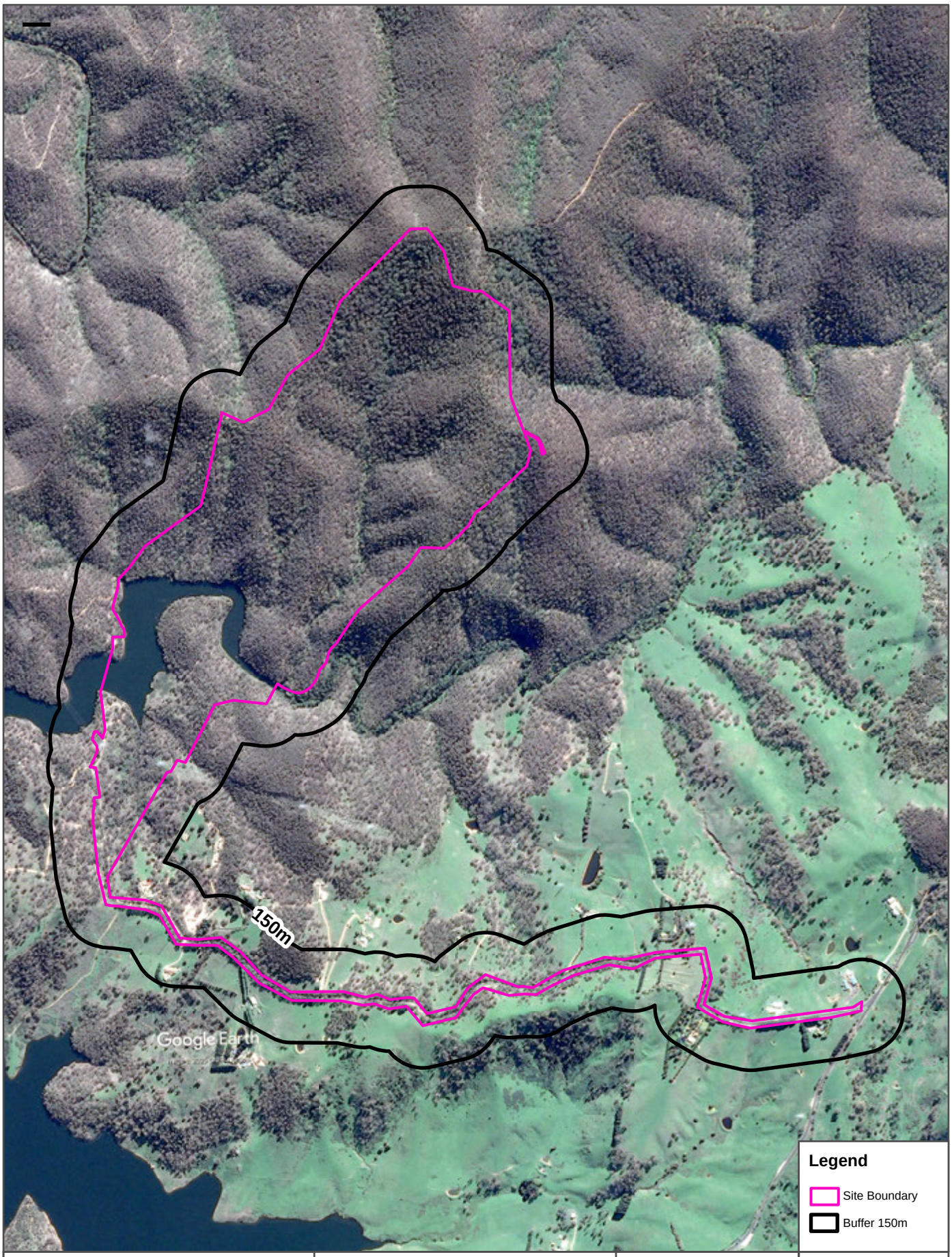
Aerial Imagery 2025

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Aerial Imagery 2014

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Scale:
0 220 440 660 880
Meters

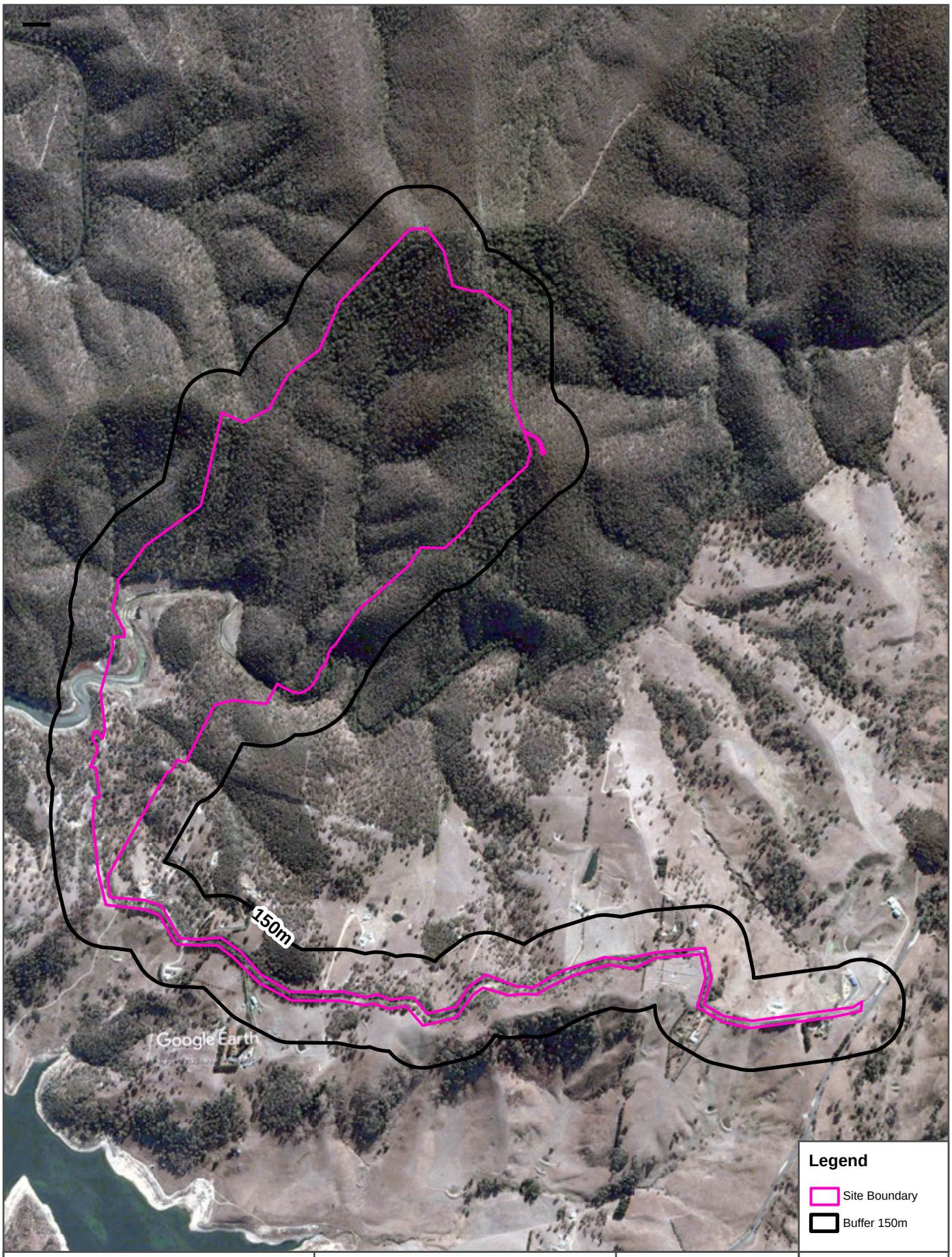
Data Source Aerial Imagery: © 2025 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 03 July 2025

Aerial Imagery 2006

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Scale:
0 220 440 660 880
Meters

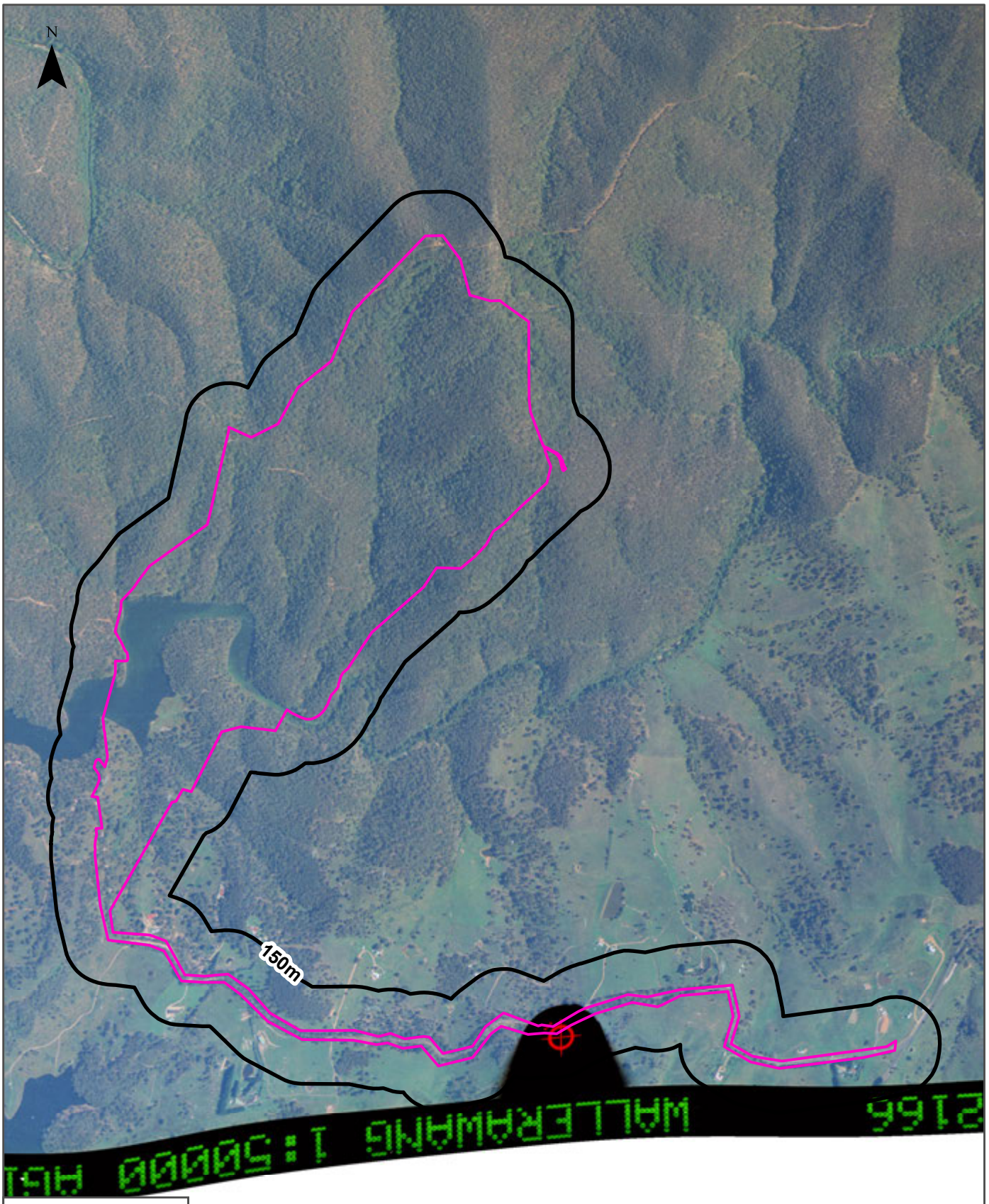
Data Source Aerial Imagery: © 2025 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 03 July 2025

Aerial Imagery 1999

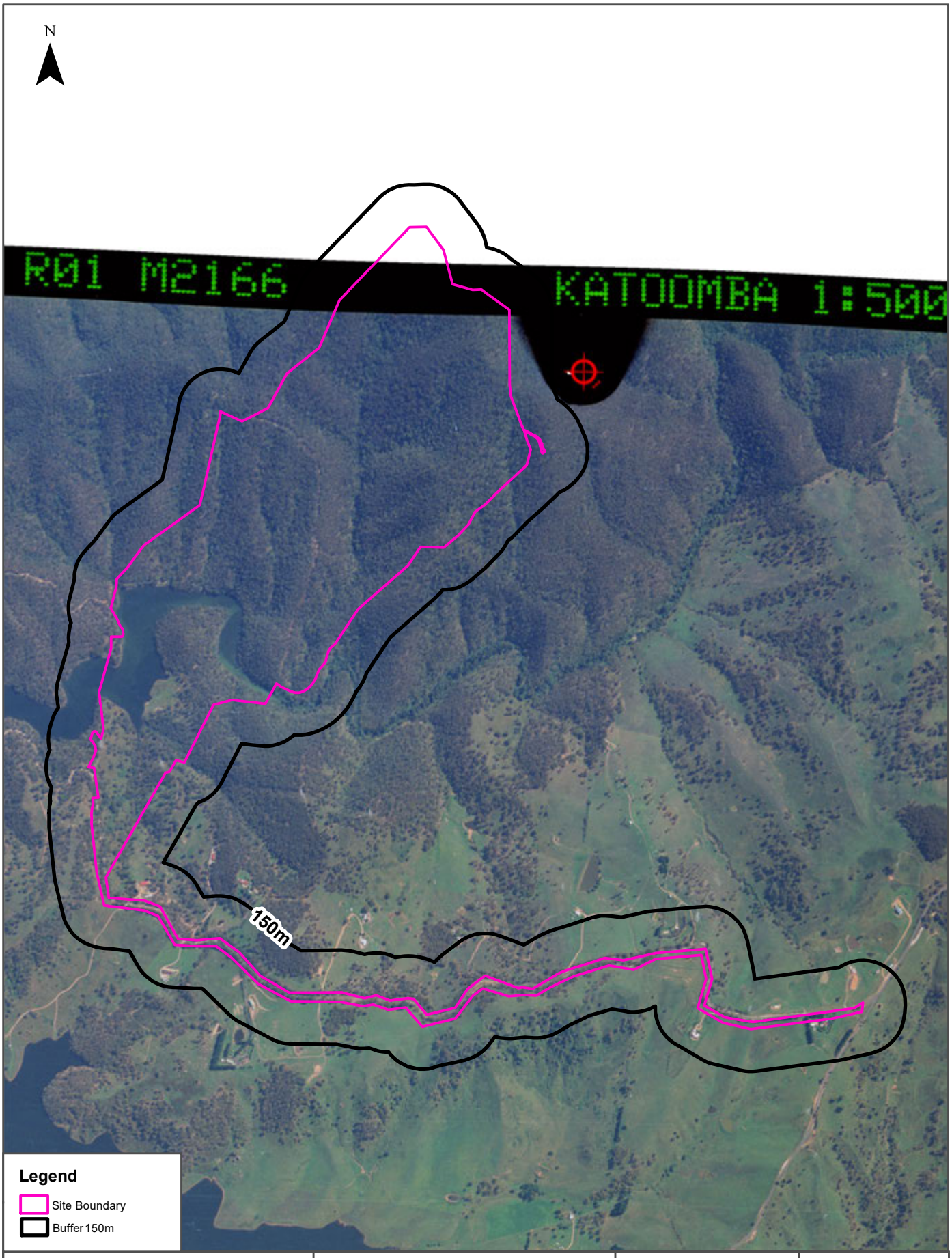
South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 03 July 2025
0 210 420 630 840 Meters	© NSW Department of Customer Service	GDA 1994 MGA Zone 56	

Aerial Imagery 1999

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Aerial Imagery 1991

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



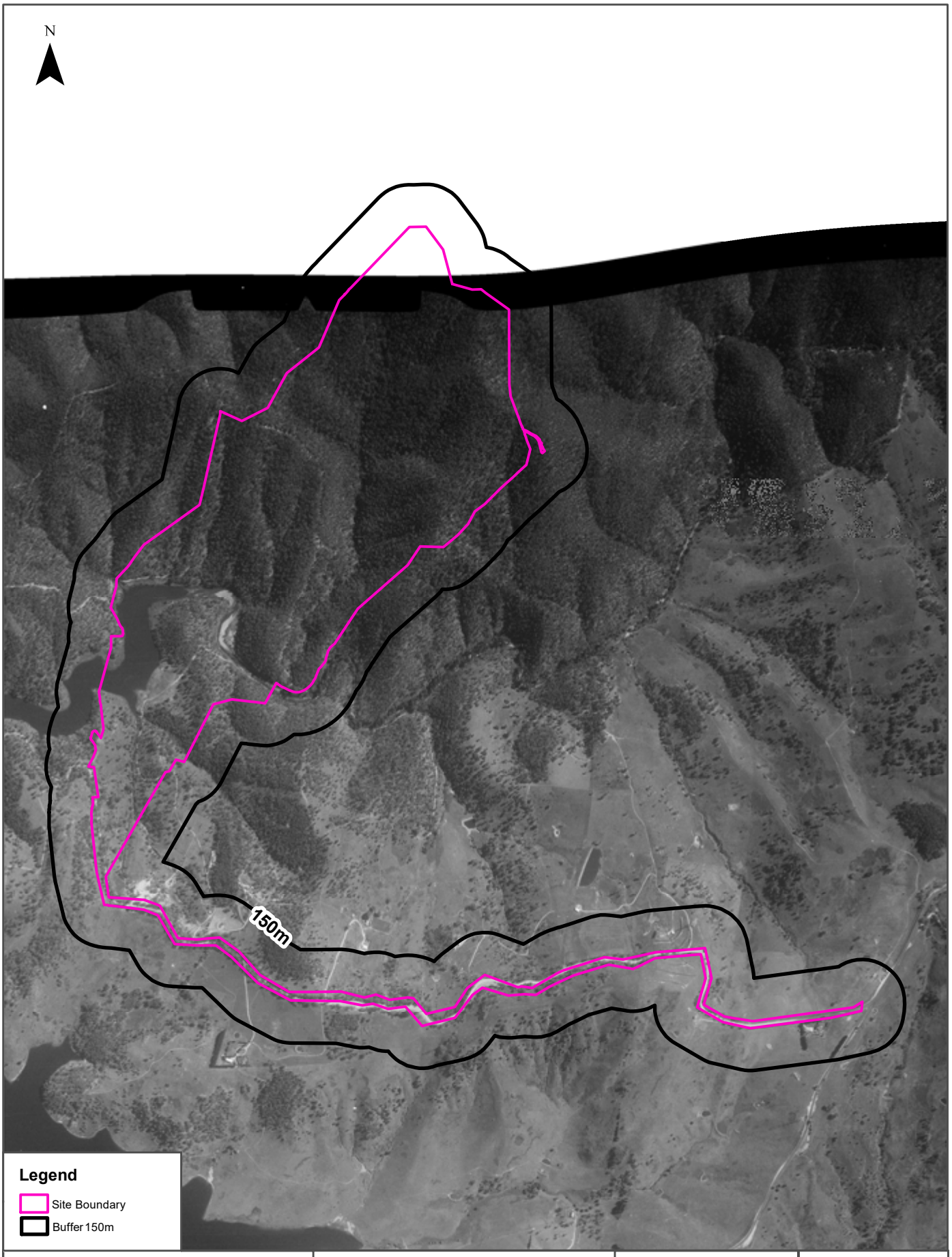
Legend

- Site Boundary
- Buffer 150m

Scale:	Data Source Aerial Imagery:	Coordinate System:	Date: 03 July 2025
0 210 420 630 840 Meters	© NSW Department of Customer Service	GDA 1994 MGA Zone 56	

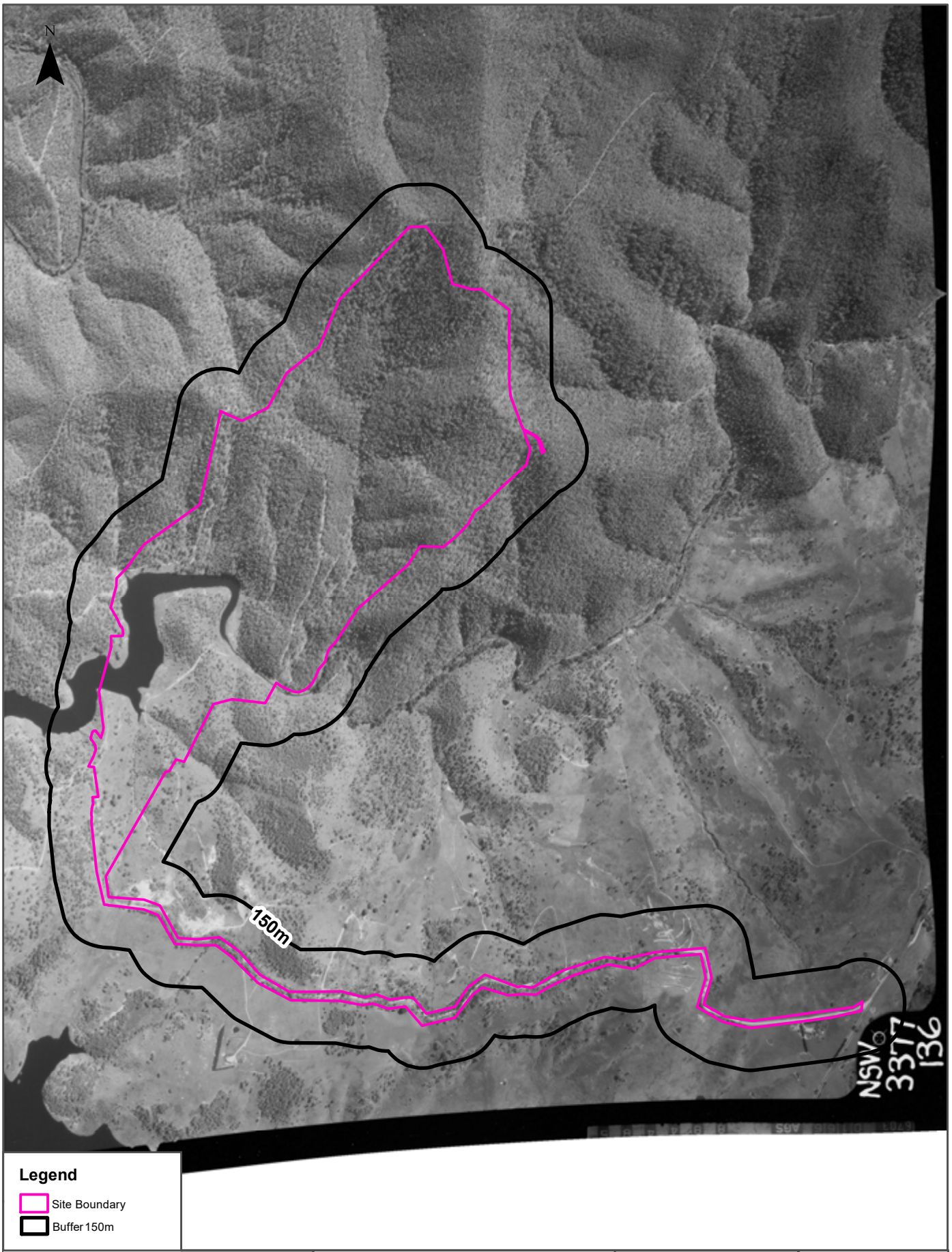
Aerial Imagery 1989

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



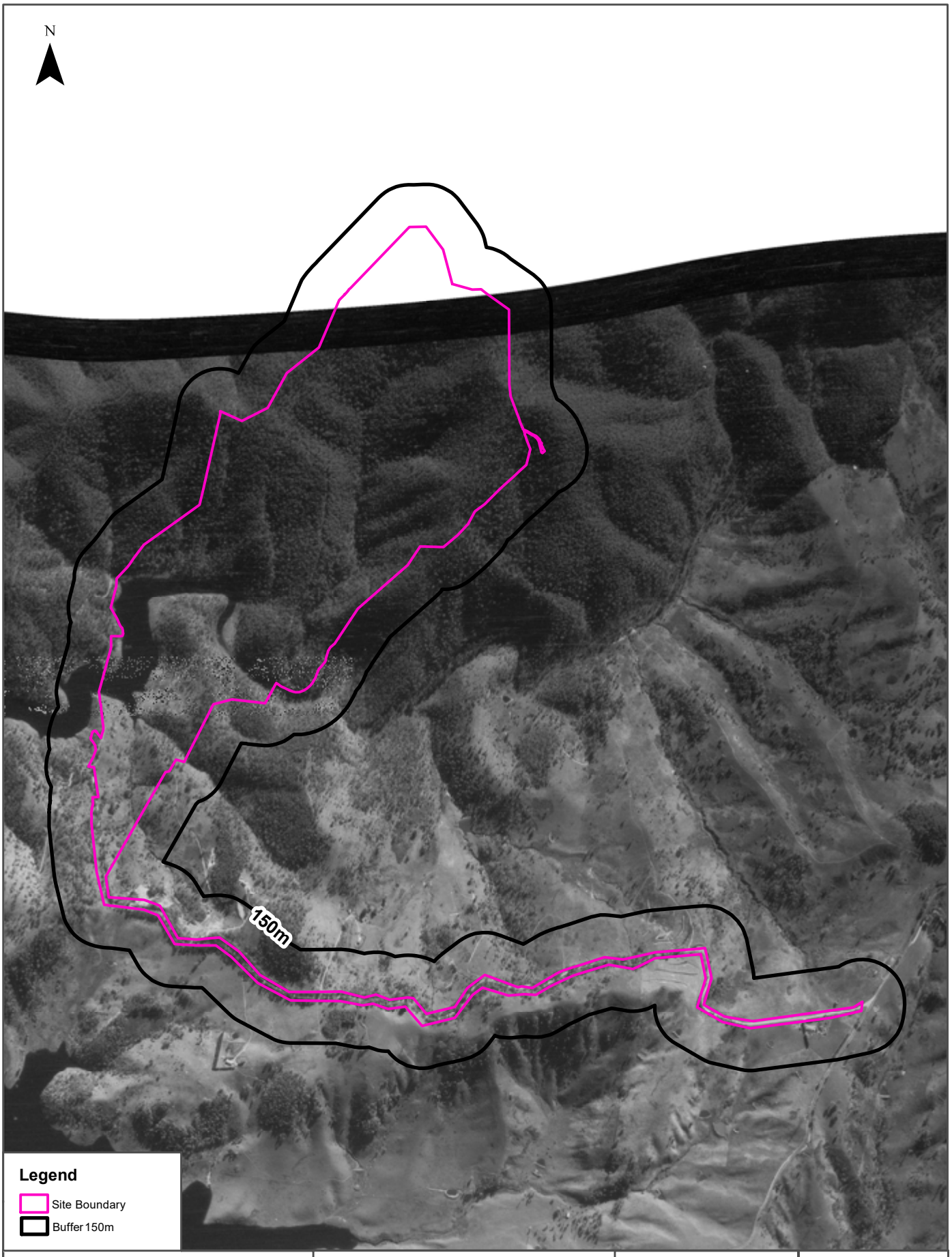
Aerial Imagery 1984

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



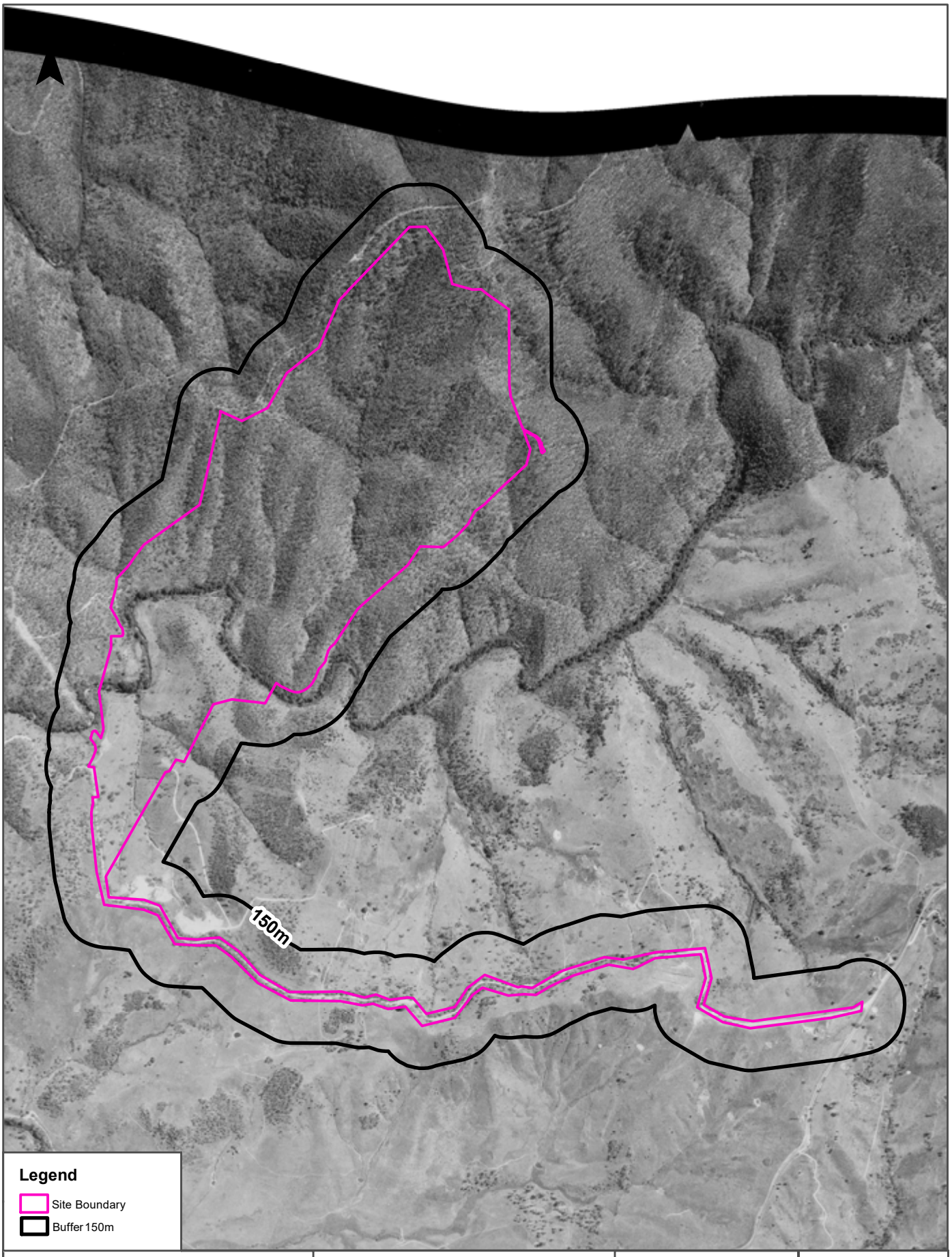
Aerial Imagery 1984

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



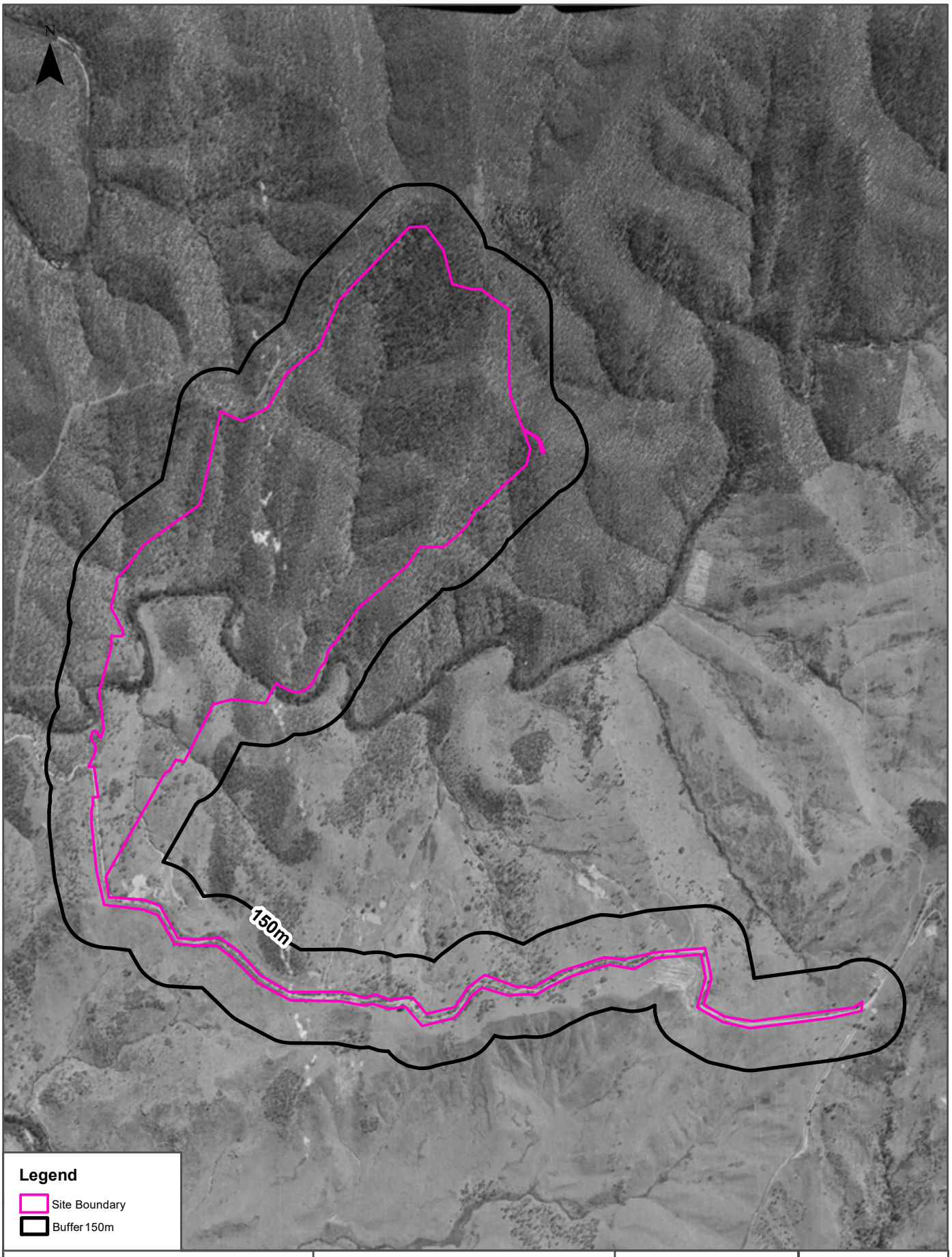
Aerial Imagery 1975

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Aerial Imagery 1966

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



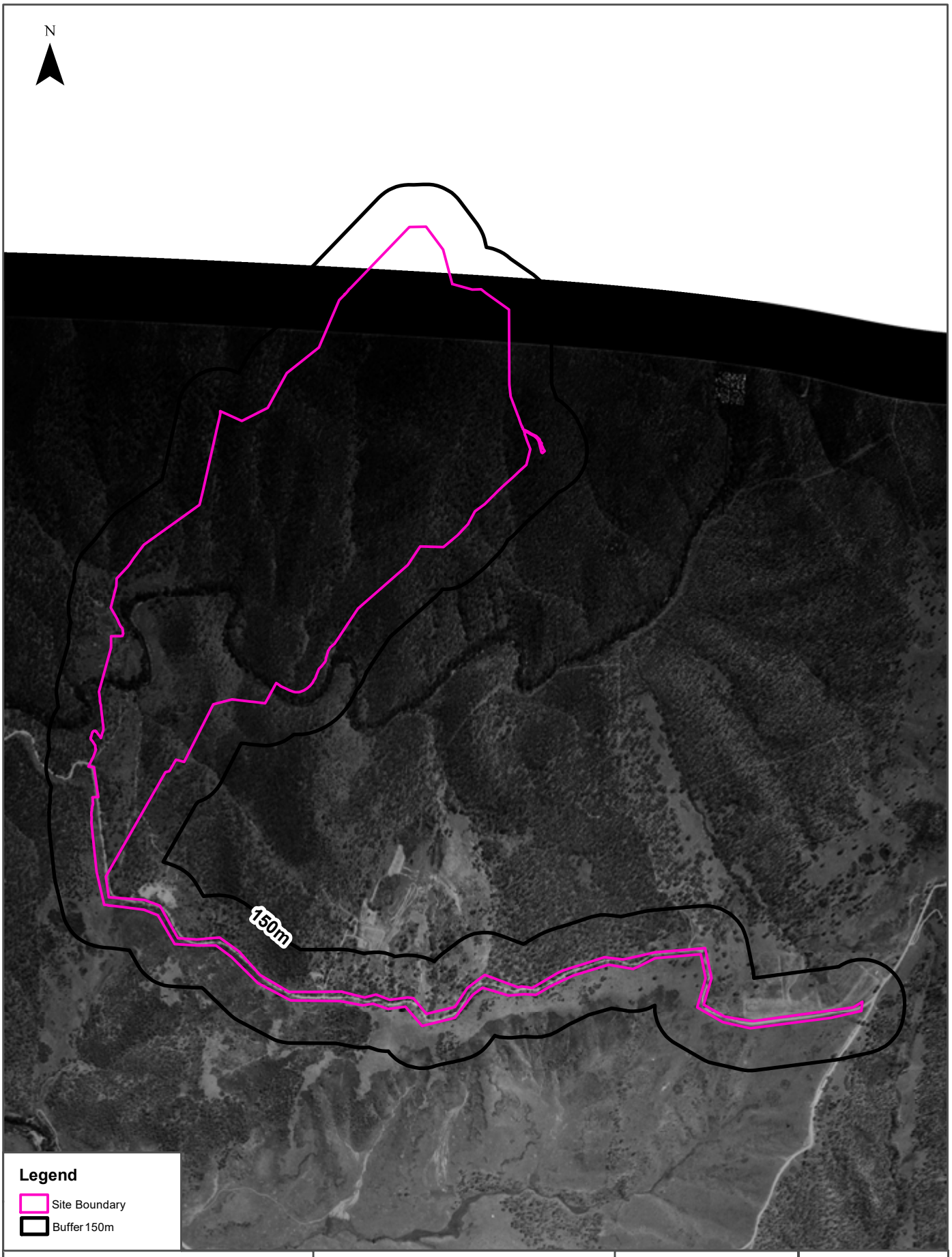
Aerial Imagery 1954

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



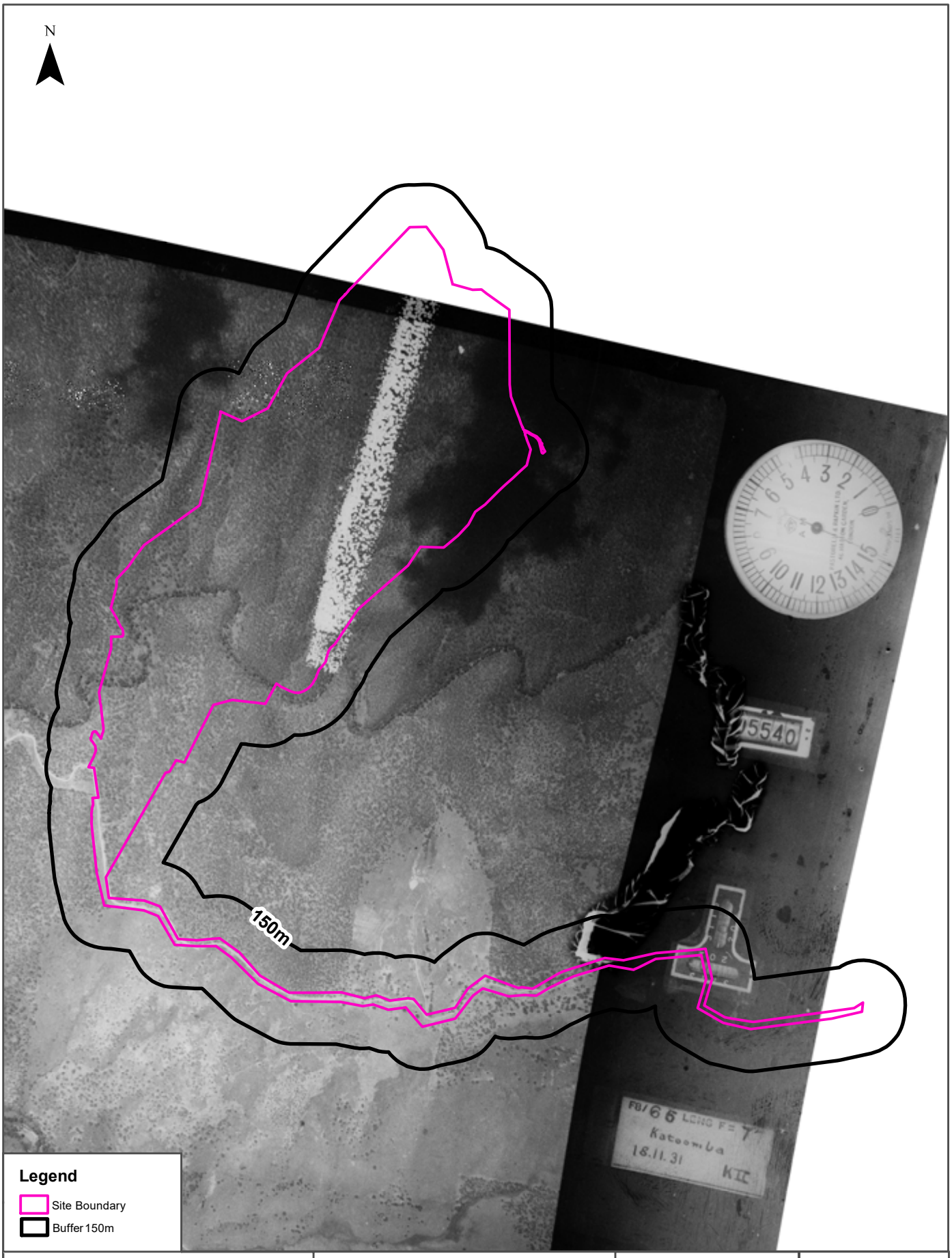
Aerial Imagery 1954

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



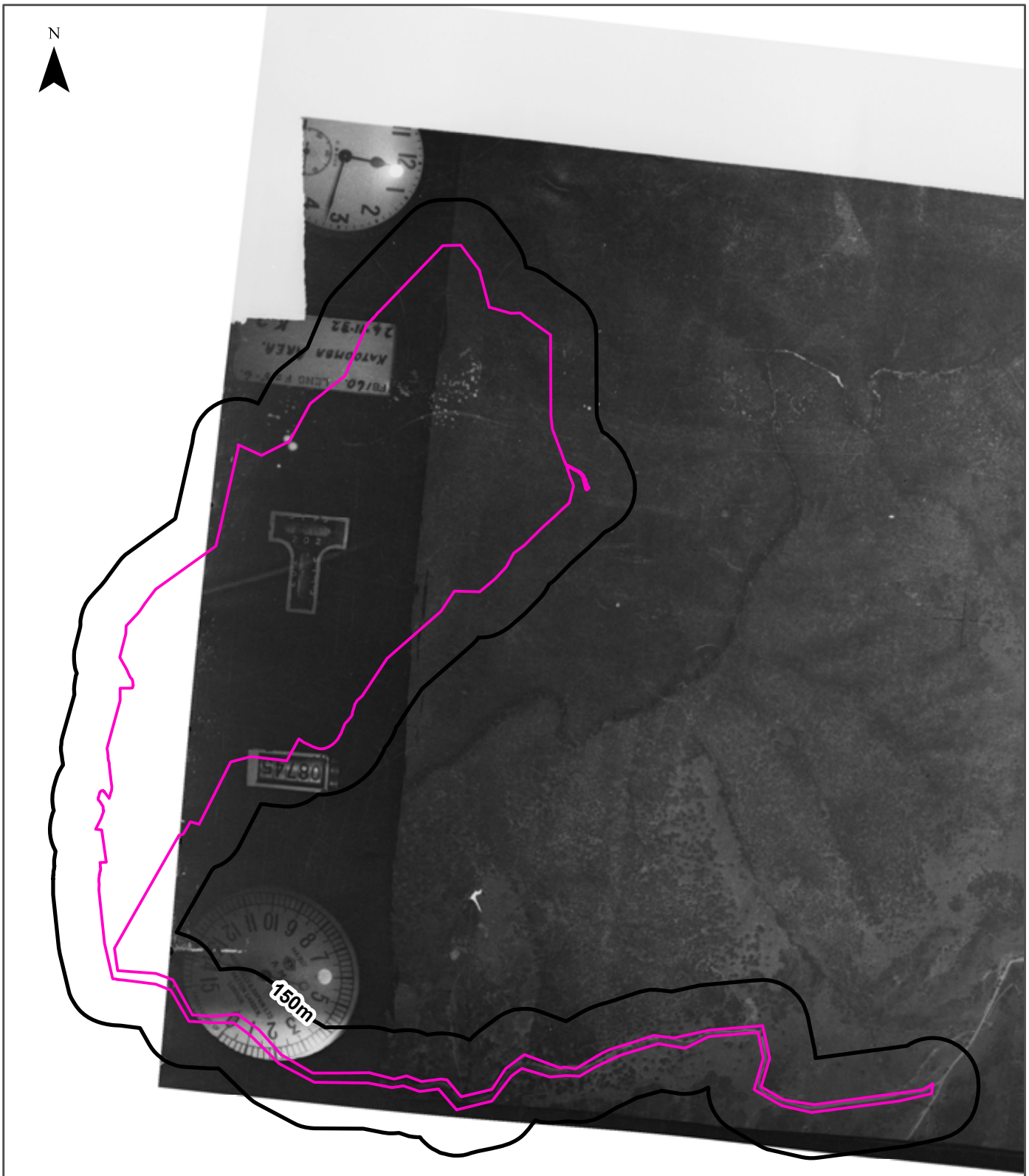
Aerial Imagery 1931

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Aerial Imagery 1931

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Legend

Site Boundary

Buffer 150m

Scale: 0 210 420 630 840 Meters	Data Source Aerial Imagery: © 2025 Geoscience Australia	Coordinate System: GDA 1994 MGA Zone 56	Date: 03 July 2025

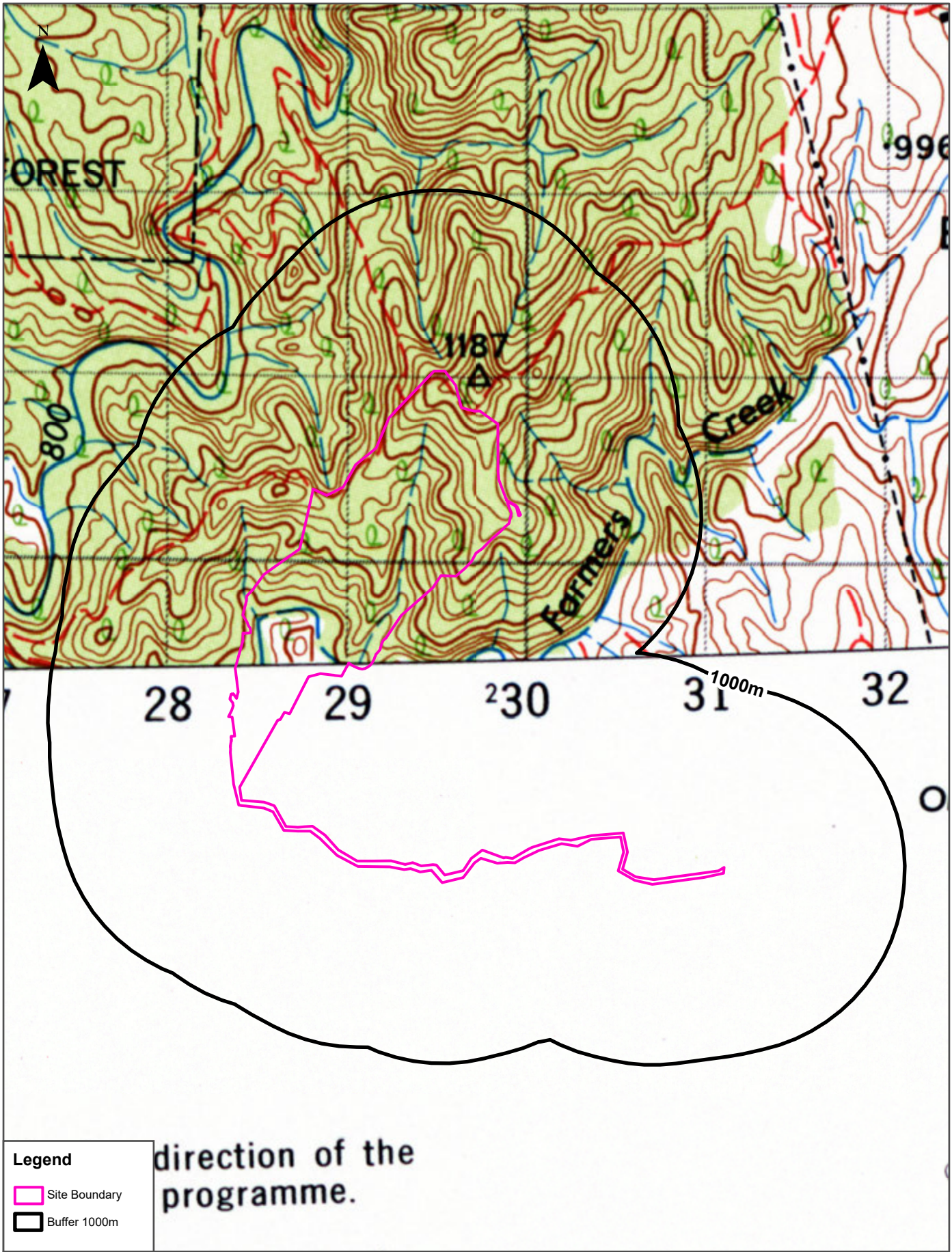
Aerial Imagery 1931

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Historical Map 1973

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Historical Map 1972

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



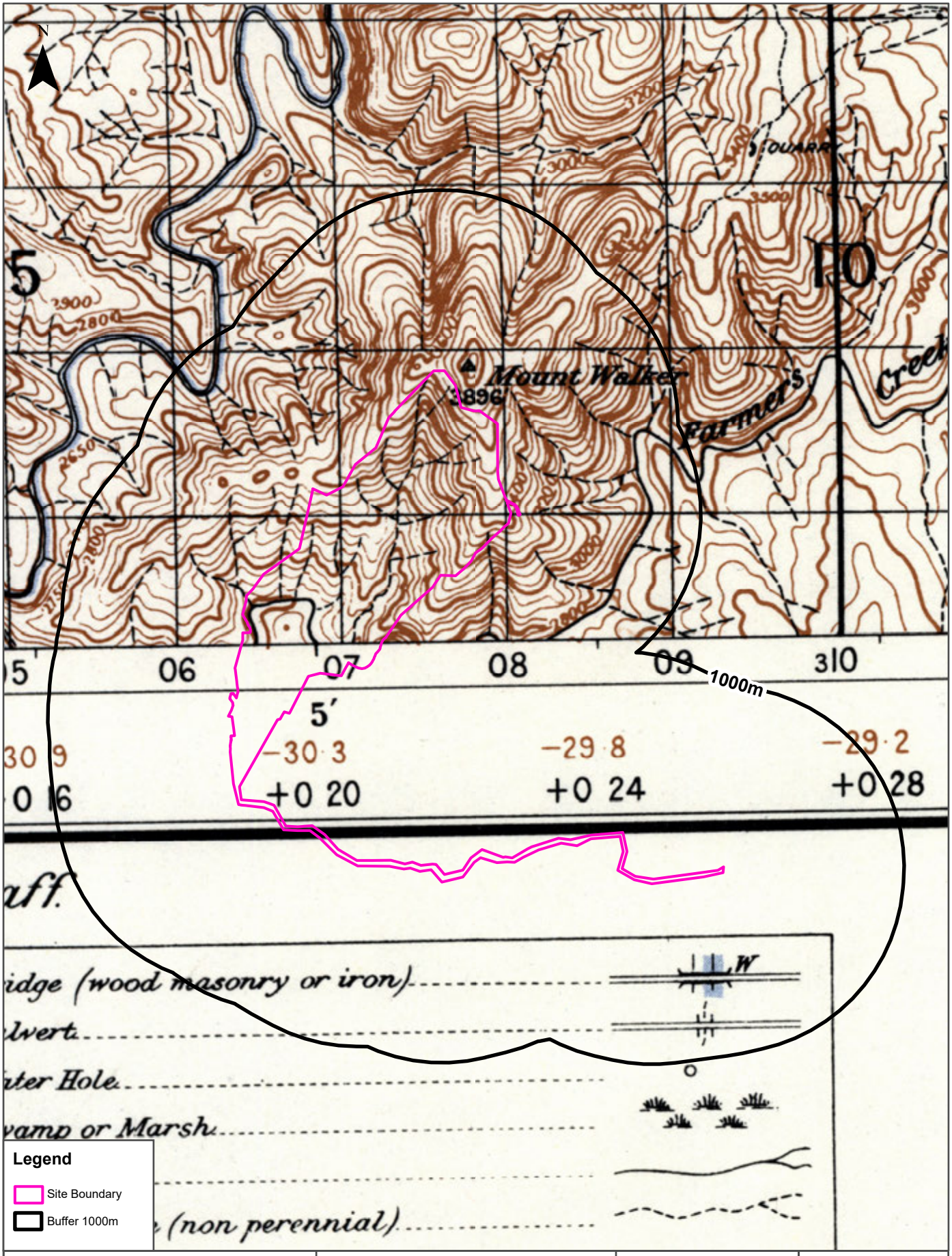
Data Sources: NATMAP 1:100,000
Topographic Maps Geoscience Australia

Coordinate System:
GDA 1994 MGA Zone 56

Date: 03 July 2025

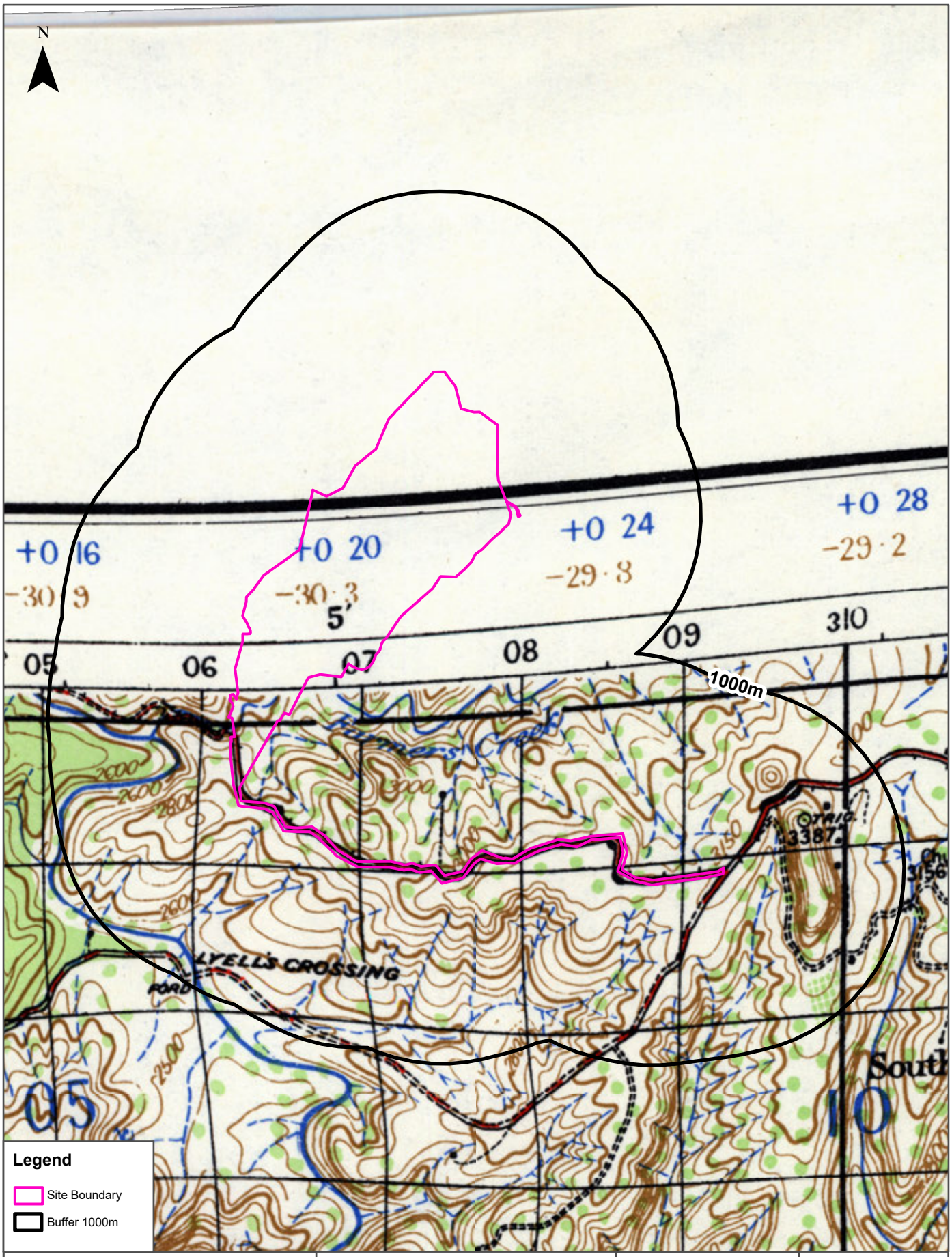
Historical Map c.1935

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



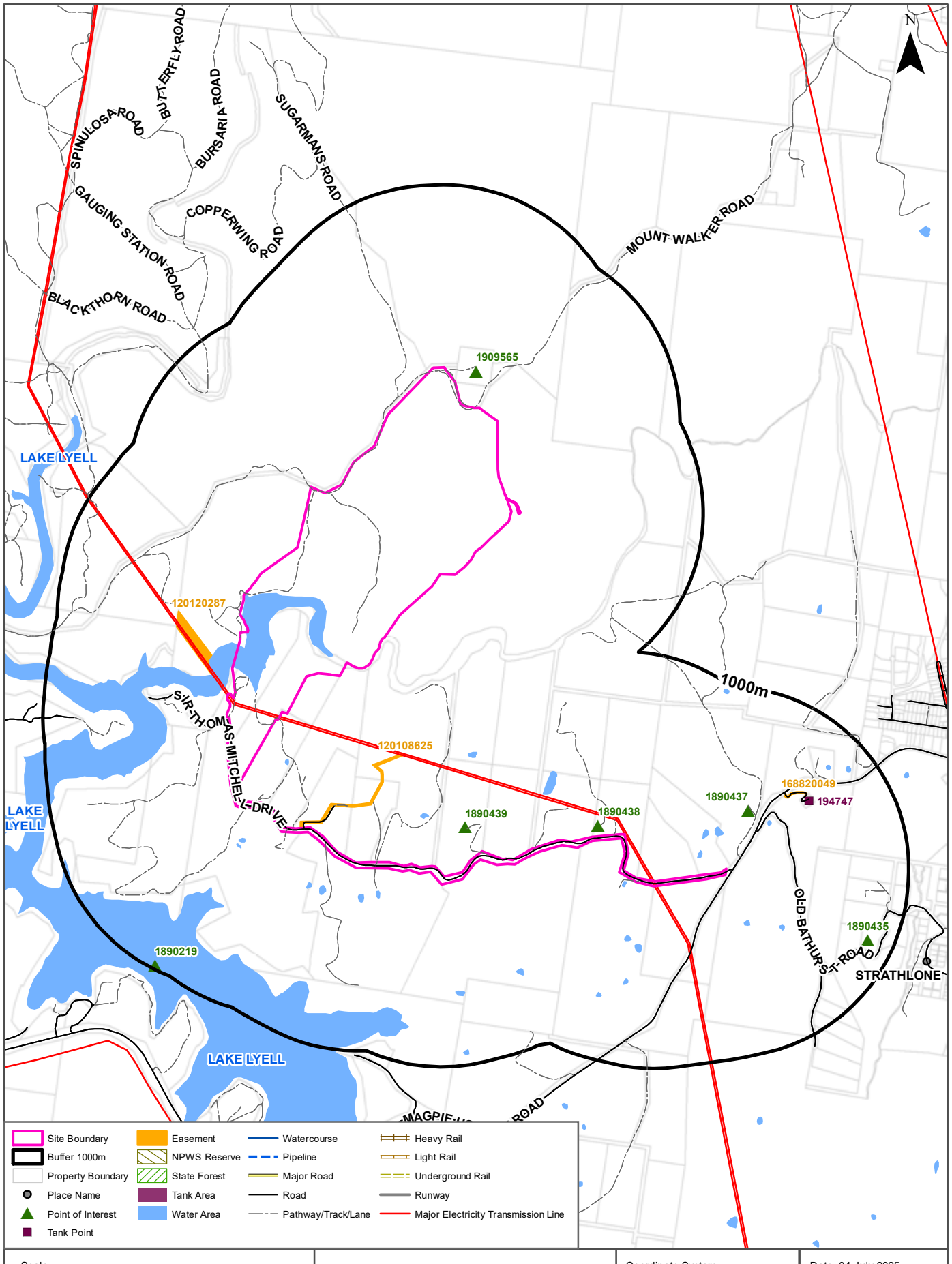
Historical Map c.1935

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Topographic Features

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Topographic Features

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1890438	Homestead	MIDDLE CREEK	59m	South East
1909565	Mountain Like	MOUNT WALKER	129m	North East
1890439	Homestead	YARRABEE	161m	South
1890437	Homestead	MAGPIE HOLLOW	339m	South East
1890435	Homestead	BOWENVIEW	856m	South East
1890219	Manmade Waterbody	LAKE LYELL	980m	South West

Topographic Data Source: © Land and Property Information (2015)
Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
194747	Water	Operational		01/05/2020	586m	South East

Tanks Data Source: © Land and Property Information (2015)
Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Major Easements

What Major Easements exist within the dataset buffer?
Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120108625	Primary	Undefined		0m	South
120120287	Primary	Undefined		65m	South West
168820049	Primary	Right of way	6m, 7m and VAR	512m	South East

Easements Data Source: © Land and Property Information (2015)
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State Forest

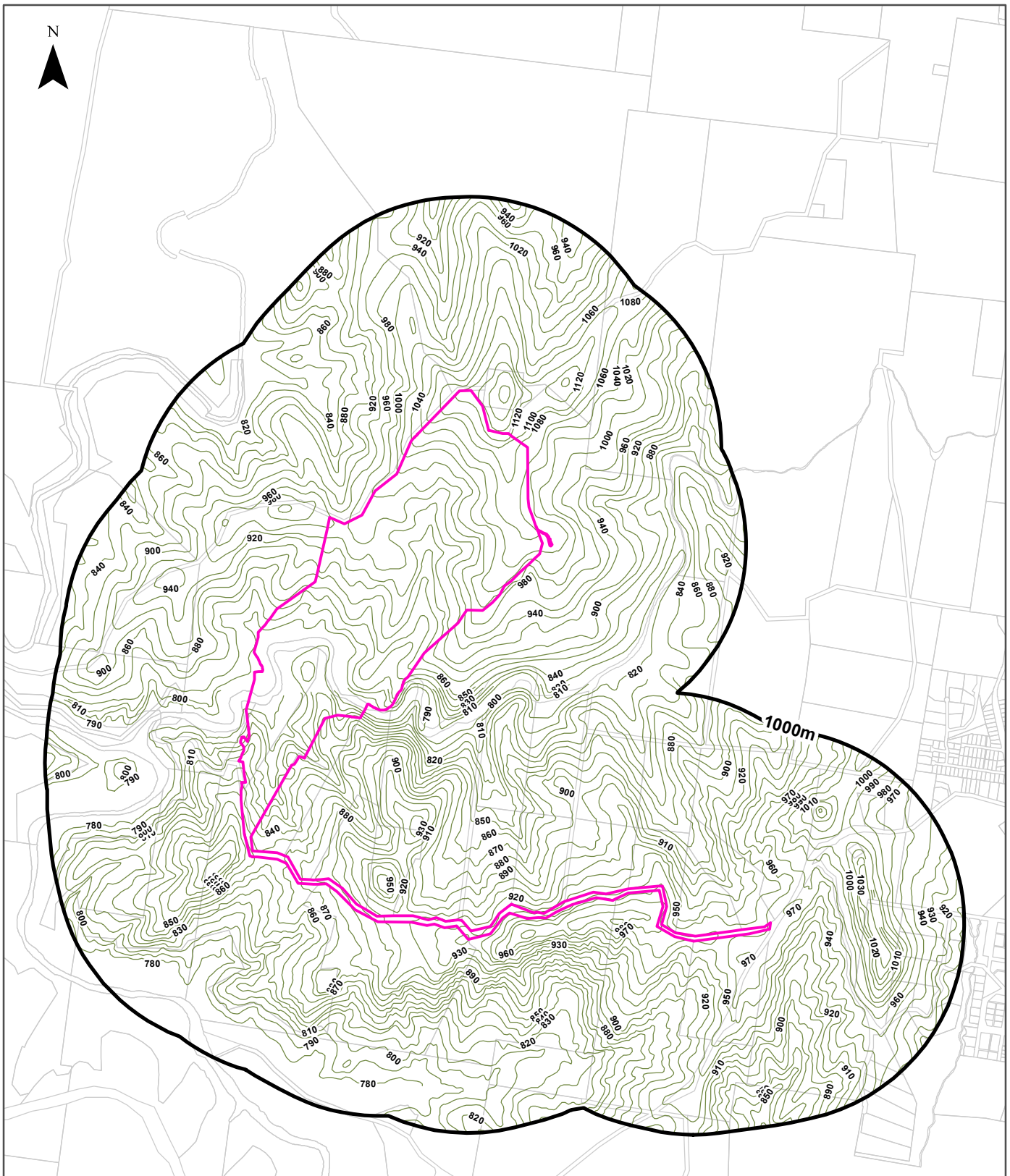
What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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Elevation Contours (m AHD)

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Legend

- Elevation Contour (m AHD)
- Site Boundary
- Buffer 1000m
- Property Boundary

Accuracy & Currency: This contour data can be up to 0.4 of the contour interval out in height and must therefore not be used for any design or engineering works, but only as a general guide to topography. Gaps may occur along contour lines due to vertical topography, obscured topography in the source photography such as buildings, dense vegetation or dead ground, or the fact that original buildings have been replaced in the intervening thirty years since the original contour capture.

Scale: 0 100 200 400 Meters	Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025	Coordinate System: GDA 1994 MGA Zone 56	Date: 04 July 2025

Hydrogeology & Groundwater

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Fractured or fissured, extensive aquifers of low to moderate productivity	0m	On-site

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024

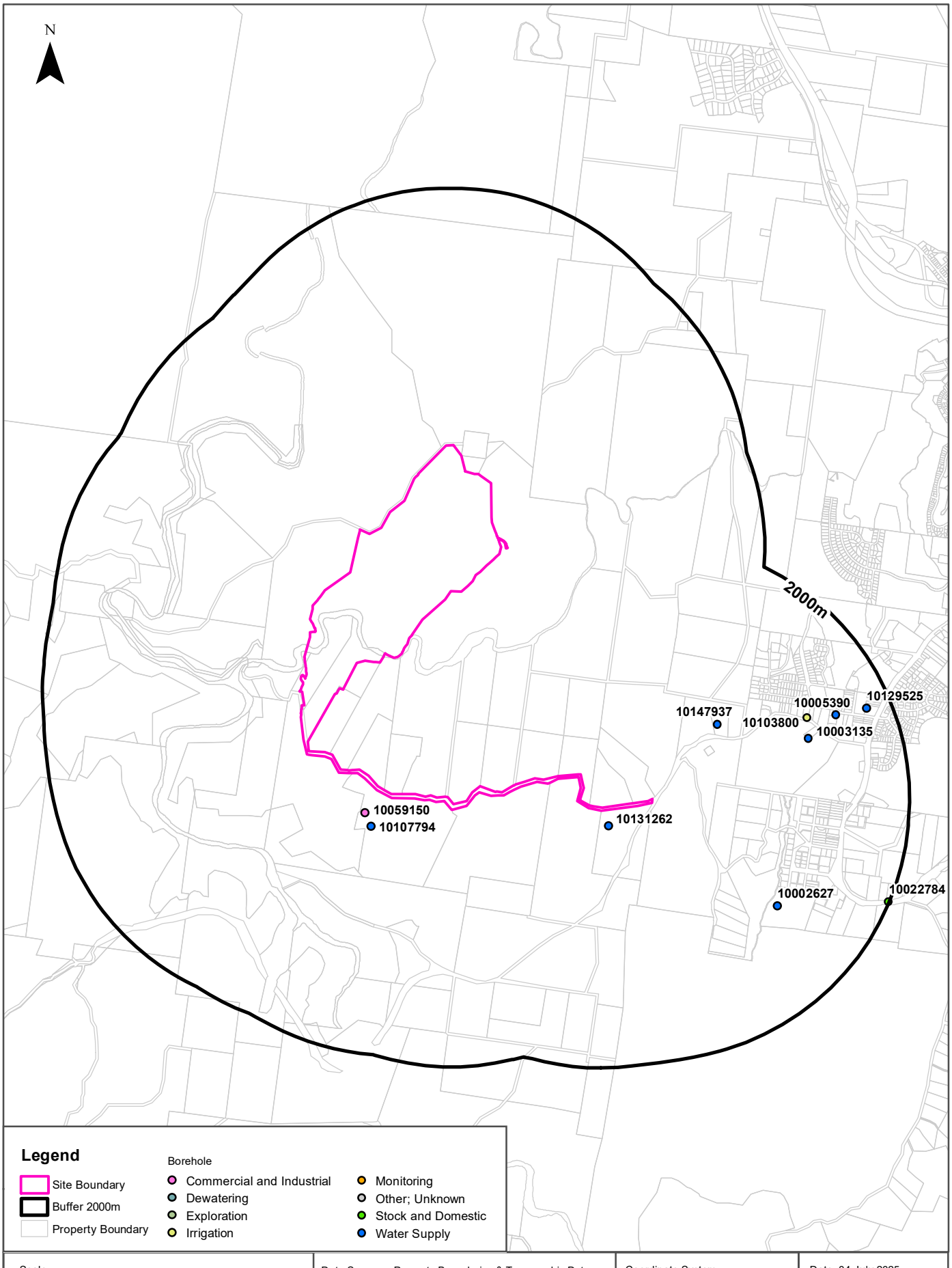
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Hydrogeology & Groundwater

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Groundwater Boreholes

Boreholes within the dataset buffer:

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10131262	GW072313	Water Supply	Unknown	11/07/1994	30.00		AHD	Fair			125m	South East
10059150	GW109204	Commercial and Industrial	Unknown	12/08/2008	3.00		AHD				198m	South
10107794	GW115269	Water Supply	Functioning	19/01/2013	180.00		AHD				268m	South
10147937	GW045761	Water Supply	Unknown	01/03/1977	51.80		AHD	Fresh			770m	South East
10002627	GW044385	Water Supply	Unknown		3.70		AHD	Good			1262m	South East
10003135	GW115854	Water Supply	Functioning	08/05/2018	150.00		AHD				1303m	East
10103800	GW053934	Irrigation	Unknown	01/06/1981	53.40		AHD				1359m	East
10005390	GW115819	Water Supply	Functioning	11/05/2018	120.00		AHD				1570m	East
10129525	GW071207	Water Supply	Unknown	01/11/1992	25.00	940.00	AHD				1810m	East
10022784	GW070637	Stock and Domestic	Functioning	01/01/1993	25.00	947.00	AHD		0.250	6.00	1997m	South East

Borehole Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Driller's Logs

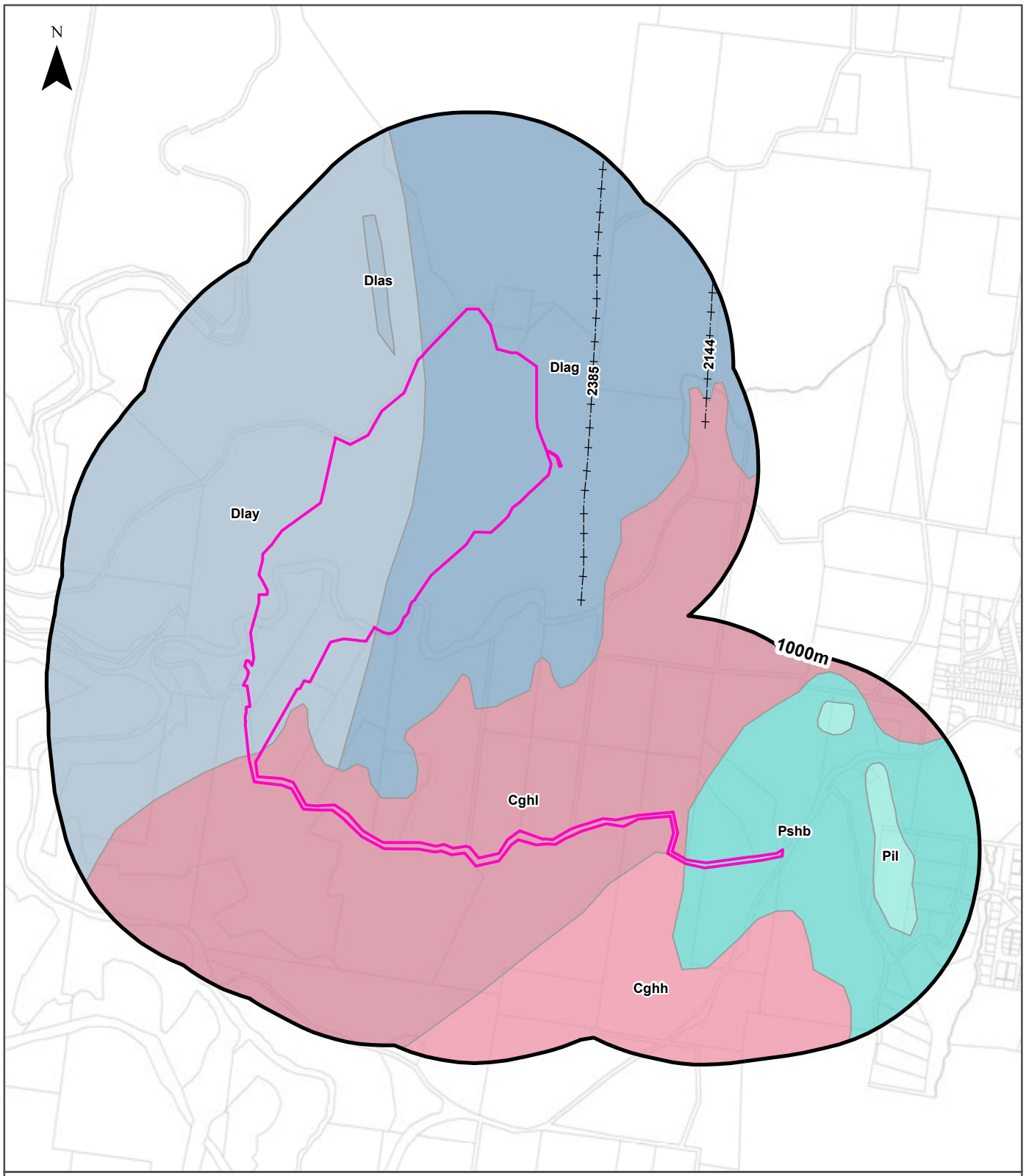
Drill log data relevant to the boreholes within the dataset buffer:

NGIS Bore ID	Drillers Log	Distance	Direction
10131262	0.00m-0.50m 0.50m-3.00m 3.00m-17.00m Decomposed Granite 17.00m-30.00m	125m	South East
10147937	0.00m-0.61m Topsoil 0.61m-3.05m Clay 3.05m-16.77m Granite Decomposed 16.77m-51.83m Granite Water Supply	770m	South East
10002627	0.00m-0.91m Loam Sandy 0.91m-3.66m Sandstone Water Supply	1262m	South East
10103800	0.00m-0.30m Topsoil 0.30m-39.60m Granite Soft Water Supply 39.60m-53.40m Granite	1359m	East

Drill Log Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Geology

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Legend

Linear Geological Structures and Boundaries

- Site Boundary
- Report Buffer
- Property Boundary
- Trendline
- Fold Axis
- Geological Boundary
- Marker Bed
- Faulted Boundary
- Shear Zone or Schist Zone Boundary
- Miscellaneous Boundary
- Water/Coastline Boundary
- State/Territory Border

Scale: 0 100 200 400 600 800 1,000 1,200 1,400 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Geology

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Geological Units

Geological units within the dataset buffer:

Code	Unit Name	Description	Stratigraphy	Age Range	Dominant Lithology	Dist	Dir
Cghh	Hartley Granodiorite	Grey, massive, fine- to medium-grained composed of plagioclase, quartz, K-feldspar, biotite, and hornblende. Small amounts of of opaque minerals and epidote.	Bathurst Supersuite/Hartley Suite//Hartley Granodiorite//	Serpukhovian (base) to Serpukhovian (top)	Granodiorite	0m	On-site
Cghl	Lett Granite	Massive, porphyritic biotite granite with large megacrysts of K-feldspar and lesser plagioclase up to 25mm. Locally contains large numbers of basic xenoliths.	Bathurst Supersuite/Hartley Suite//Lett Granite//	Visean (base) to Moscovian (top)	Granite	0m	On-site
Dlag	Gibbons Creek Sandstone	Fossiliferous quartz arenite, siltstone, mudstone.	/Lambie Group//Gibbons Creek Sandstone//	Frasnian (base) to Tournaisian (top)	Sandstone	0m	On-site
Dlay	Rydal Formation	Massive, red-grey cleaved mudstone and shale interbedded with medim- to thick-bedded, lithic to quartz-rich, fine- to medium-grained sandstone with common cross bedding.	/Lambie Group//Rydal Formation//	Frasnian (base) to Tournaisian (top)	Mudstone	0m	On-site
Pshb	Berry Siltstone	Mid to dark grey siltstone, grades up sequence to very fine-grained sandstone, highly fossiliferous, sporadic dropped pebbles.	/Shoalhaven Group//Berry Siltstone//	Roadian (base) to Wordian (top)	Siltstone	0m	On-site
Dlas	Slowmans Creek Conglomerate	Red to purple, clast-supported oligomictic conglomerate; mudstone; arenite.	/Lambie Group//Slowmans Creek Conglomerate//	Frasnian (base) to Tournaisian (top)	Conglomerate	121m	North
Pil	Illawarra Coal Measures	Shale, quartz-lithic sandstone, conglomerate, chert, sporadically carbonaceous mudstone, coal and torbanite seams.	/Illawarra Coal Measures////	Lopingian (base) to Lopingian (top)	Shale	464m	South East

Linear Geological Structures

Fault and shear or schist zone boundaries within the dataset buffer:

Map ID	Boundary Type	Feature Description	Fault Dip Angle	Fault Dip Direction	Dist	Dir
NA	No records in buffer					

Trendlines within the dataset buffer:

Map ID	Feature Description	Observation Method	Structure Name	Dist	Dir
NA	No records in buffer				

Fold axes within the dataset buffer:

Map ID	Feature Description	Observation Method	Structure Name	Dist	Dir
2385	Anticline, position approximate	Unpublished map		130m	East
2144	Syncline, position approximate	Unpublished map		752m	East

Marker beds within the dataset buffer:

Map ID	Feature Description	Rock Unit Description	Dist	Dir
NA	No records in buffer			

Geological Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development
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Naturally Occurring Asbestos Potential

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Naturally Occurring Asbestos Potential

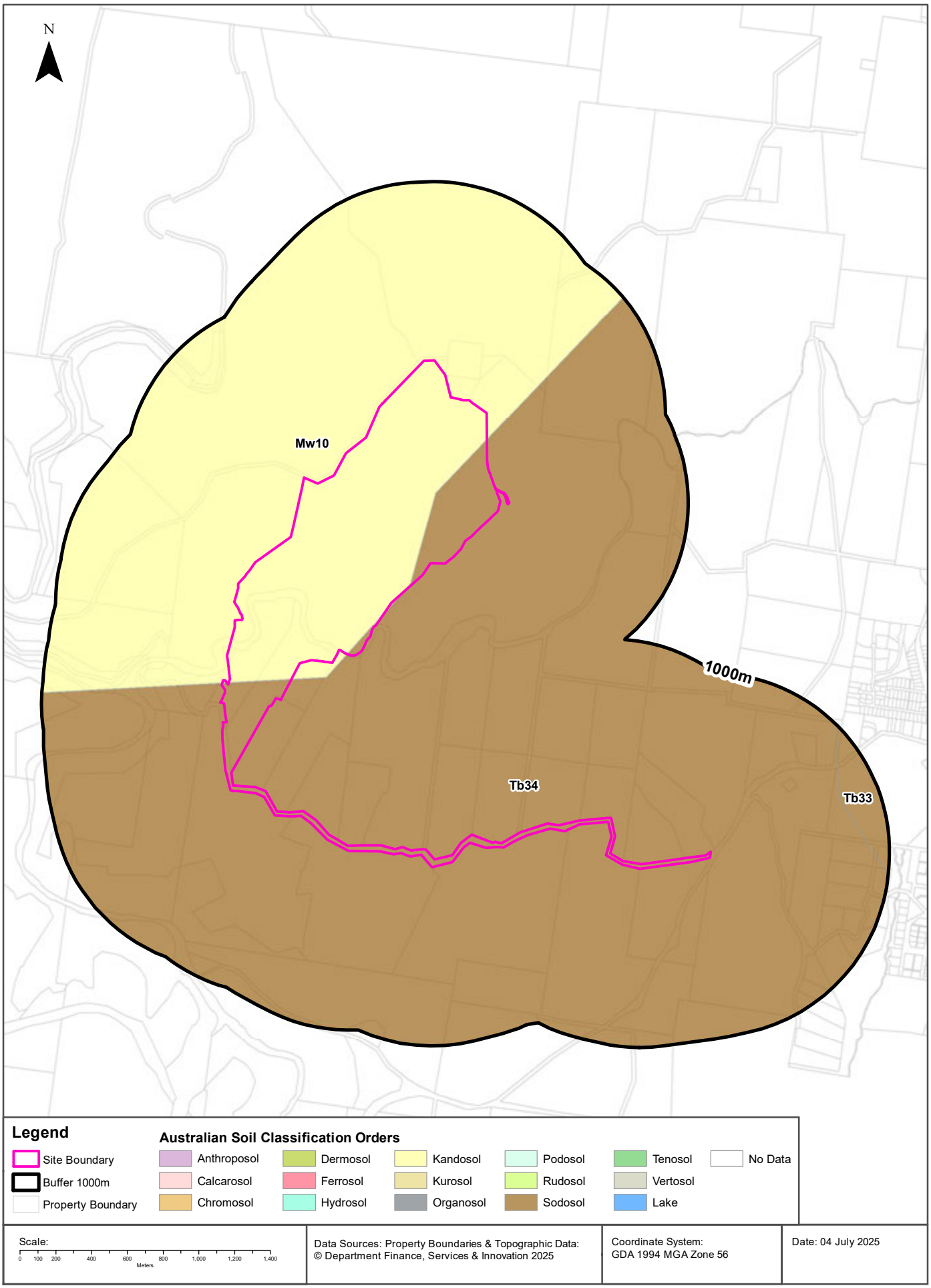
Naturally Occurring Asbestos Potential within the dataset buffer:

Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Naturally Occurring Asbestos Potential Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development
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Atlas of Australian Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

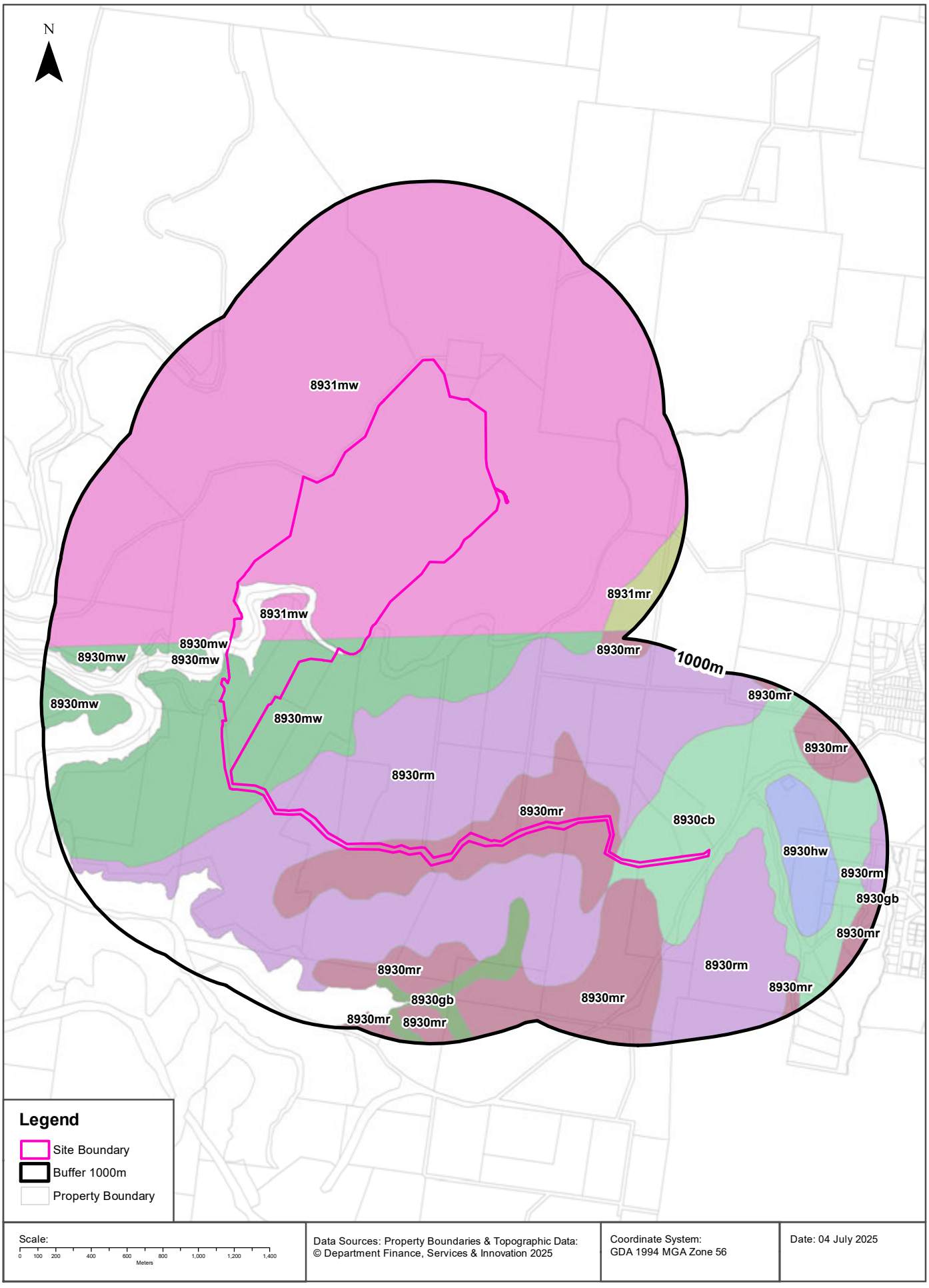
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Mw10	Kandosol	Hilly to steep and rugged country with some flat to undulating areas: chief soils seem to be acid leached red and yellow earths (Gn2.14, Gn2.24, Gn2.34). Associated are (Dy3.41) and possibly other soils. Compare unit Mr2. Data are limited.	0m	On-site
Tb34	Sodosol	Ridge and slope country: (i) narrow undulating to hilly ridge crests of hard acidic yellow mottled soils (Dy3.41) with yellow leached earths, such as (Gn2.74) and (Gn2.34), and other (D) soils such as (Dr2.61); (ii) steep to rugged side slopes of siliceous sands (Uc1.21) and leached sands (Uc2.2) with tors and areas of soils as for (i); and (iii) some hilly to steep hilly areas with (Dy3.21), (Dr2.21), (Um4.2), and (Dy3.41) soils. Data are limited.	0m	On-site
Tb33	Sodosol	Dissected plateau: chief soils on undulating ridge crests are hard acidic yellow mottled soils (Dy3.41). Associated are: moderate to steep side slopes of various earths (Gn2), such as (Gn2.14), (Gn2.2), and (Gn2.9); some hilly areas of (Dr2.21), (Dy2.21), (Dy3.41), (Um4.1), and (Um4.2) soils with rock outcrops; some talus slopes of (Uc1.2) and (Uc2.2) soils; and some small flat areas of units Tb32 and Tb39.	777m	South East

Atlas of Australian Soils Data Source: CSIRO

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Soil Landscapes of Central and Eastern NSW

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Soil Landscapes of Central and Eastern NSW

Soil Landscapes of Central and Eastern NSW within the dataset buffer:

Soil Code	Name	Distance	Direction
8931mw	Mount Walker	0m	On-site
8930mw	Mount Walker	0m	On-site
8930mr	Marrangaroo	0m	On-site
8930rm	Round Mount	0m	On-site
8930cb	Cullen Bullen	0m	On-site
8930gb	Ganbenang	305m	South
8930hw	Hassans Walls	399m	South East
8931mr	Marrangaroo	799m	East

Soil Landscapes of Central and Eastern NSW: NSW Department of Planning, Industry and Environment
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Acid Sulfate Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	EPI Name
N/A		

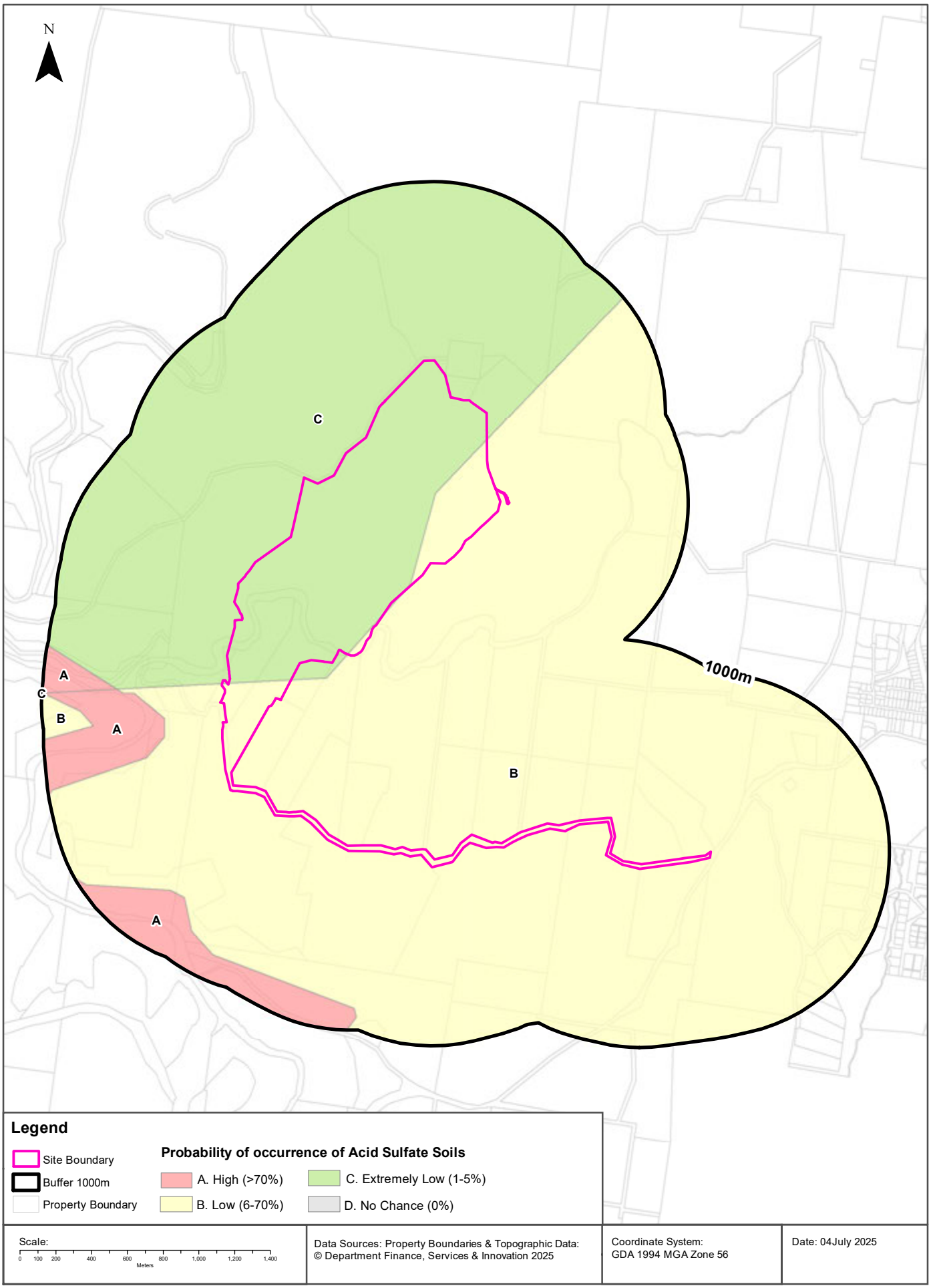
If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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Atlas of Australian Acid Sulfate Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Acid Sulfate Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site
A	High Probability of occurrence. >70% chance of occurrence.	322m	South West

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A		

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Mining

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Mining Subsidence Districts

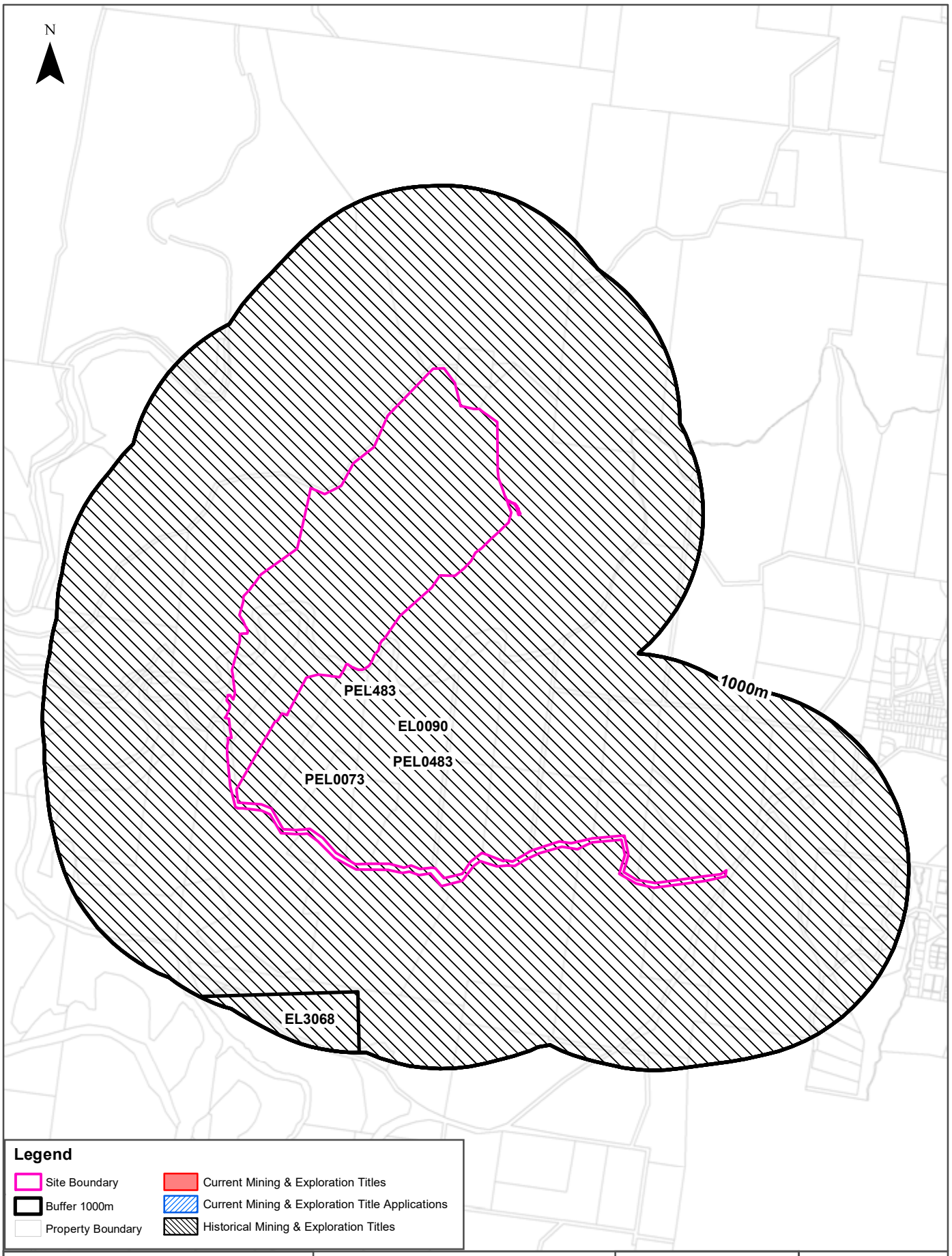
Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

Mining Subsidence District Data Source: © Land and Property Information (2016)
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Mining & Exploration Titles

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Mining

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer								

Current Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL0483	EAST COAST POWER PTY LTD	20100605	20110411	PETROLEUM	Petroleum	0m	On-site
PEL483	EAST COAST POWER PTY LTD	20100506	30000101	MINERALS		0m	On-site
EL0090	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	19670201	19680201	MINERALS		0m	On-site
PEL0073	WOOD, A.J.			PETROLEUM	Petroleum	0m	On-site
EL3068	BRICK & STONE HOLDINGS LIMITED (IN VOLUNTARY LIQUIDATION)	19880201	19910201	MINERALS	Dimension Stone	669m	South

Historical Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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State Environmental Planning Policy

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

State Significant Precincts

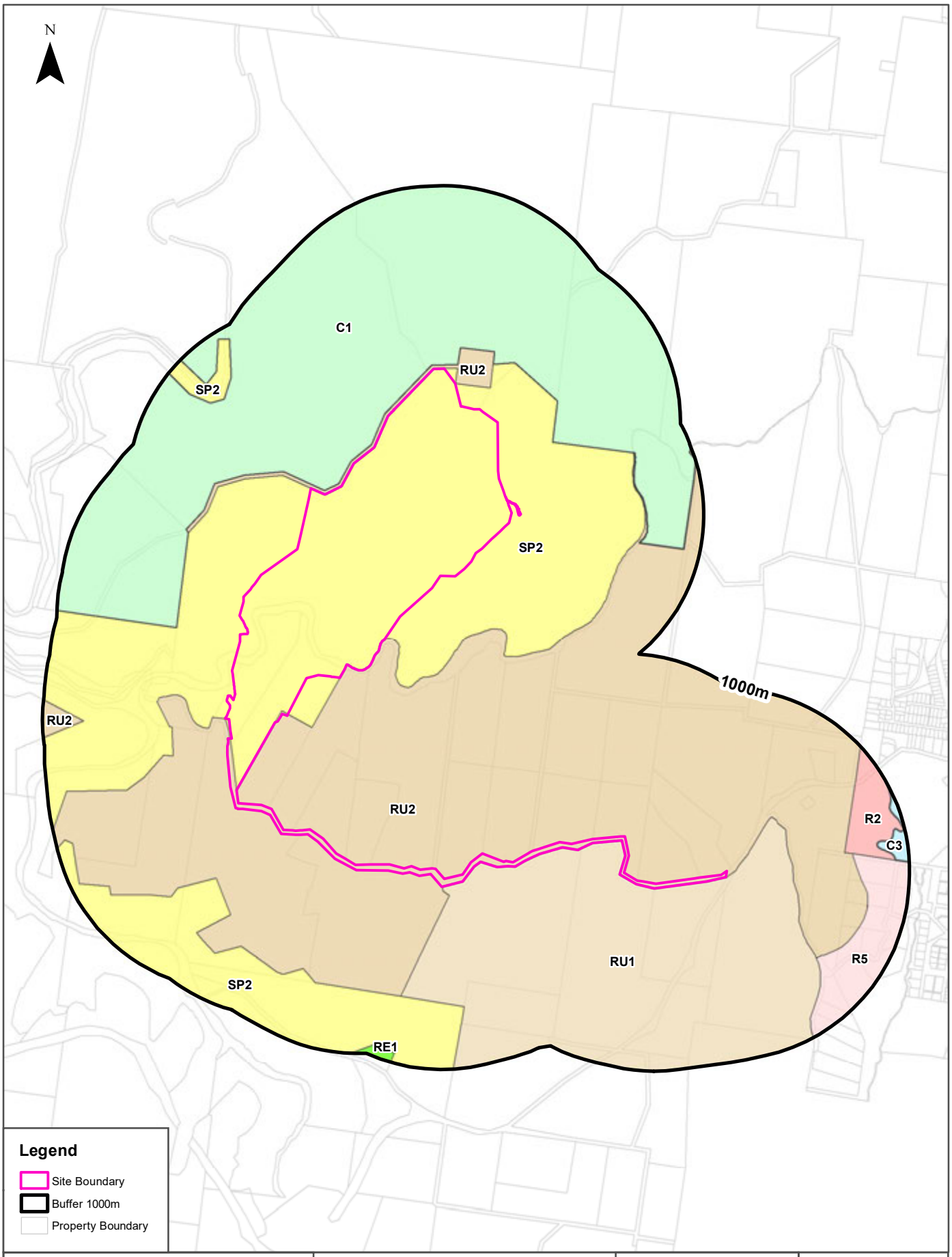
What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

State Environment Planning Policy Data Source: NSW Crown Copyright - Planning & Environment
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EPI Planning Zones

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Environmental Planning Instrument

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Land Zoning

What EPI Land Zones exist within the dataset buffer?

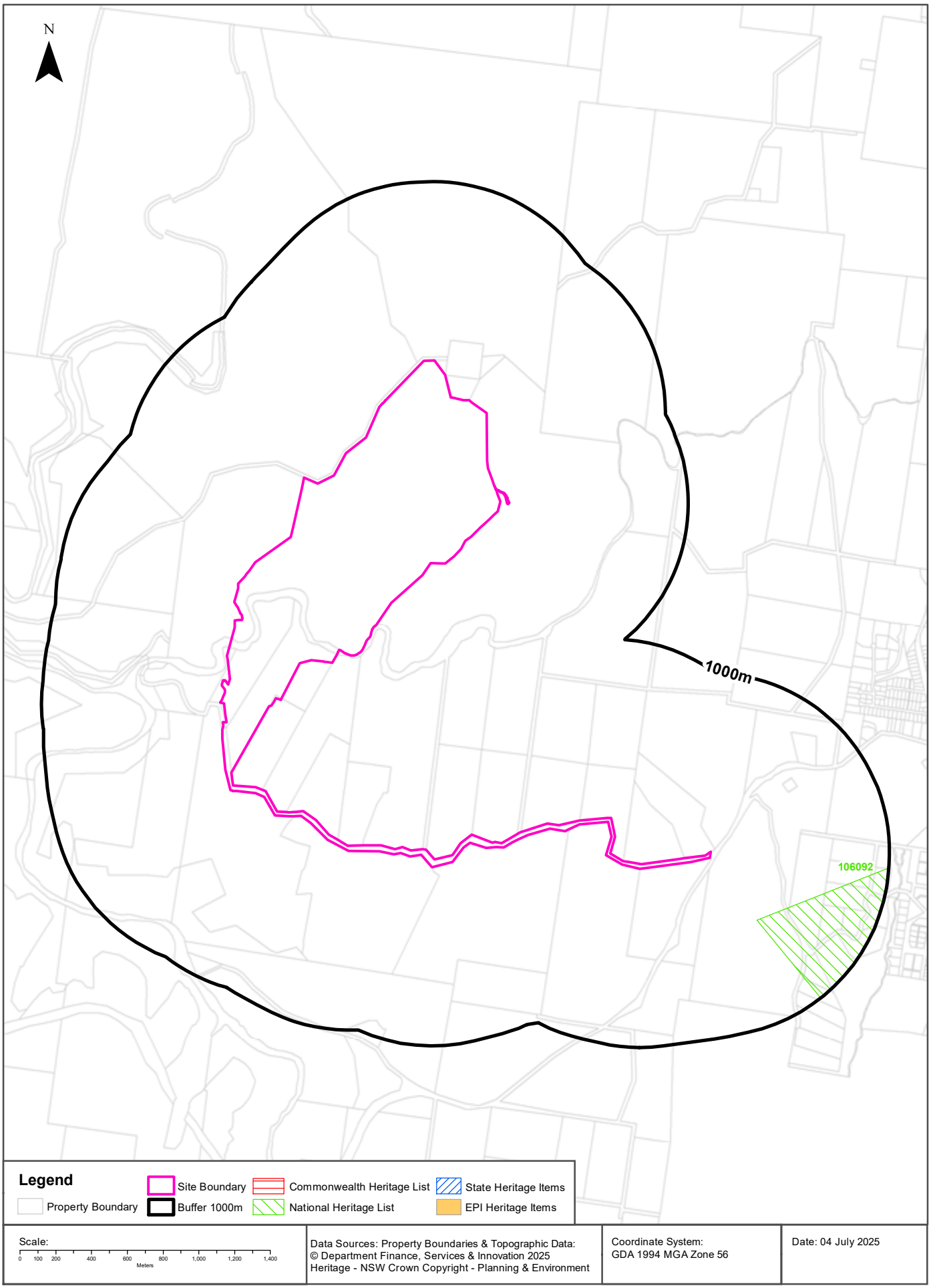
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Electricity Generating Works	Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
RU2	Rural Landscape		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
RU1	Primary Production		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	South East
RU2	Rural Landscape		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	North
C1	National Parks and Nature Reserves		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	20m	North
R2	Low Density Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	652m	South East
R5	Large Lot Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	662m	South East
RU2	Rural Landscape		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	777m	South West
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	834m	South East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	912m	South

Environmental Planning Instrument Data Source: NSW Crown Copyright - Planning & Environment
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Heritage Items

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Heritage

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?
Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
106092	Hartley Valley	Great Western Hwy, Hartley NSW	1/14/006/0063	Historic	Nomination now ineligible for PPAL		435m	South East

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
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Environmental Planning Instrument - Heritage

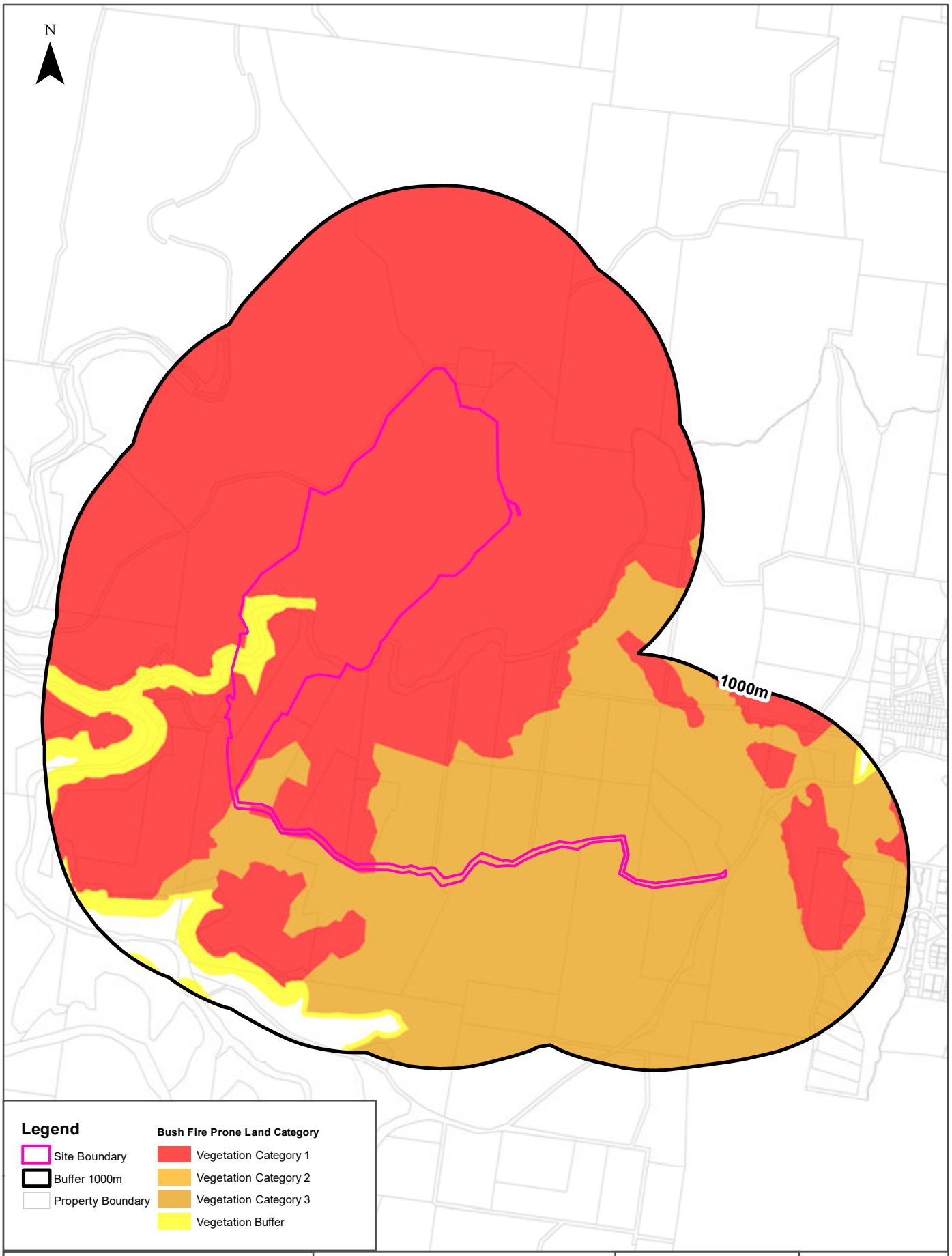
What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
N/A	No records in buffer								

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Natural Hazards - Bush Fire Prone Land

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Data Sources: Bush Fire Prone Land: © NSW Rural Fire Service 2025. Property Boundaries: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Natural Hazards

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Bush Fire Prone Land

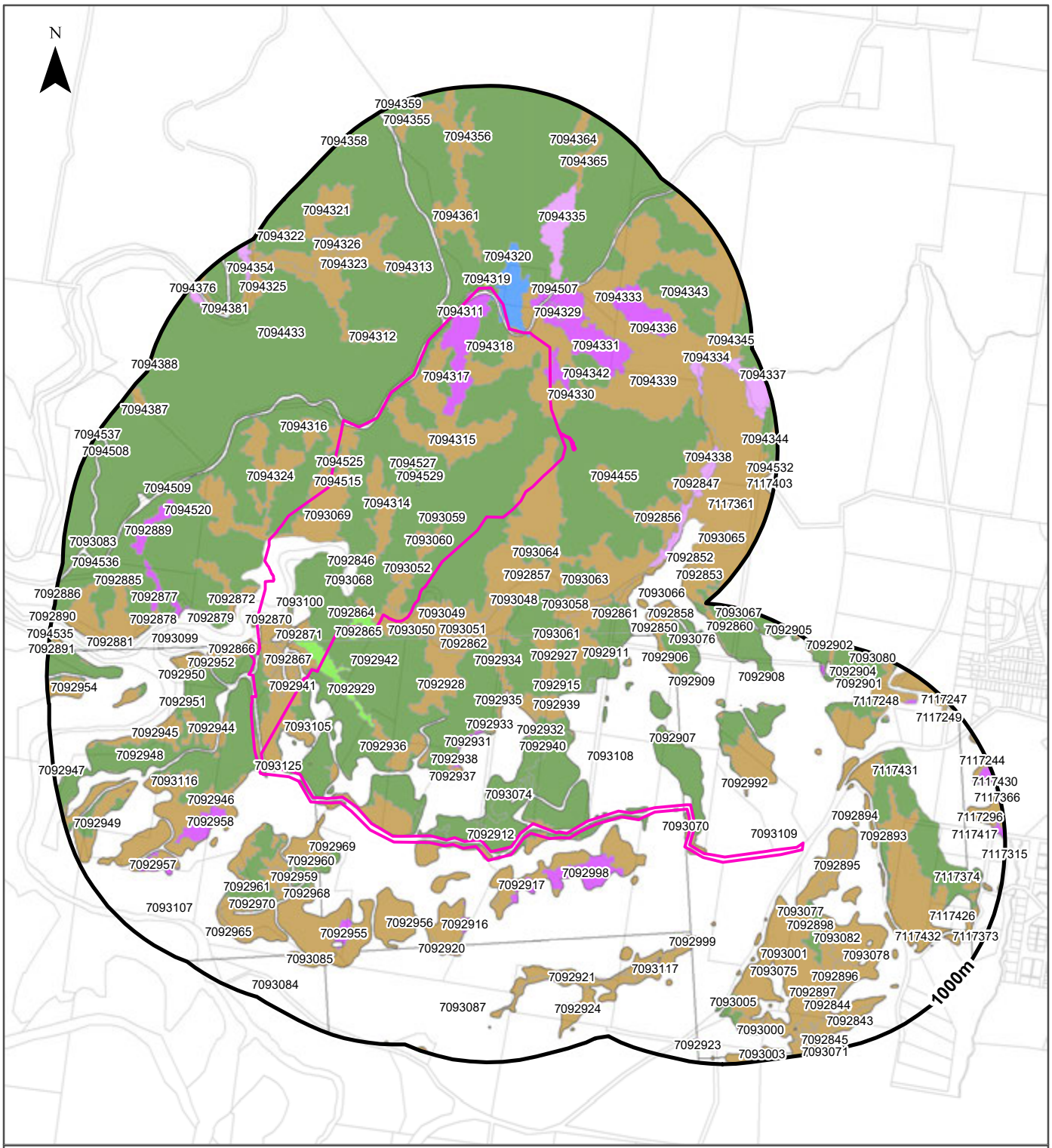
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Category 1	0m	On-site
Vegetation Category 3	0m	On-site
Vegetation Buffer	0m	On-site

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Vegetation & Ramsar Wetlands

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Site Boundary
ReportBuffer
Property Boundary
Ramsar Wetland

Native Vegetation

Alpine Complex
Arid Shrublands (Acacia sub-formation)
Arid Shrublands (Chenopod sub-formation)
Dry Sclerophyll Forests (Shrub/grass sub-formation)
Dry Sclerophyll Forests (Shrubby sub-formation)
Forested Wetlands
Freshwater Wetlands
Grasslands
Grassy Woodlands
Heathlands
Rainforests
Saline Wetlands
Semi-arid Woodlands (Grassy sub-formation)
Semi-arid Woodlands (Shrubby sub-formation)
Wet Sclerophyll Forests (Grassy sub-formation)
Wet Sclerophyll Forests (Shrubby sub-formation)
Non vegetated
Unattributed
Not classified
Other

Scale: 0 100 200 400 600 800 1,000 1,200 1,400 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7092846	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	0m	On-site
7092857	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7092863	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Central West Stony Hills Stringybark-Box Forest	Upper Riverina Dry Sclerophyll Forests	0m	On-site
7092864	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Central West Stony Hills Stringybark-Box Forest	Upper Riverina Dry Sclerophyll Forests	0m	On-site
7092865	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	0m	On-site
7092867	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	0m	On-site
7092868	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	0m	On-site
7092869	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	0m	On-site
7092870	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	0m	On-site
7092871	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	0m	On-site
7092912	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	0m	On-site
7092929	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Central West Stony Hills Stringybark-Box Forest	Upper Riverina Dry Sclerophyll Forests	0m	On-site
7092941	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	0m	On-site
7092942	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	0m	On-site
7092946	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7092948	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	0m	On-site
7092952	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	0m	On-site
7093001	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7093049	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	0m	On-site
7093052	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7093059	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7093060	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7093068	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093069	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093099	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093100	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093101	Not classified	(Not classified) Not classified	Not classified	0m	On-site

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7093102	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093103	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093106	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093107	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093108	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093109	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094311	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	0m	On-site
7094314	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7094315	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7094317	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	0m	On-site
7094318	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	0m	On-site
7094320	Freshwater Wetlands	(Freshwater Wetlands) Newnes Plateau Swamp Woodland	Montane Bogs and Fens	0m	On-site
7094324	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7094330	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	0m	On-site
7094339	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7094433	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	0m	On-site
7094507	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094515	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094519	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094525	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094527	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094529	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094534	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7094319	Heathlands	(Heathlands) Newnes Plateau Rockplate Heath	Sydney Montane Heaths	8m	North
7093125	Not classified	(Not classified) Not classified	Not classified	11m	South West
7093070	Not classified	(Not classified) Not classified	Not classified	13m	South East
7093050	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	27m	South
7092872	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	30m	West
7092866	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	54m	South West
7092940	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	57m	South East
7094342	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	58m	North East
7093122	Not classified	(Not classified) Not classified	Not classified	63m	South
7093115	Not classified	(Not classified) Not classified	Not classified	71m	South West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7094331	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	79m	North East
7094316	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	81m	North West
7092895	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	82m	South East
7093105	Not classified	(Not classified) Not classified	Not classified	100m	South West
7092944	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	109m	South West
7093047	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	115m	South
7092917	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	116m	South
7093054	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	119m	South
7092998	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	124m	South East
7093064	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	124m	East
7093051	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	127m	South East
7094361	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	127m	North
7094455	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	133m	East
7094329	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Montane Wet Forest	Southern Escarpment Wet Sclerophyll Forests	134m	North East
7093053	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	143m	South
7092928	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	147m	South
7092934	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	160m	South East
7092920	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	180m	South
7092969	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	183m	South
7093074	Not classified	(Not classified) Not classified	Not classified	185m	South
7094312	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	189m	North
7093104	Not classified	(Not classified) Not classified	Not classified	190m	South West
7092879	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	192m	South West
7092960	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	197m	South
7092916	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	233m	South
7093119	Not classified	(Not classified) Not classified	Not classified	241m	South West
7092936	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	243m	South
7092898	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	245m	South East
7092958	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	248m	South West
7092862	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	249m	South

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7094313	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	267m	North
7094335	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Central Tableland Ribbon Gum Sheltered Forest	Southern Tableland Wet Sclerophyll Forests	272m	North East
7092992	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	274m	South East
7092907	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	277m	South East
7092894	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	279m	South East
7093077	Not classified	(Not classified) Not classified	Not classified	287m	South East
7092937	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	290m	South
7093048	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	290m	South East
7094323	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	296m	North
7092951	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	330m	South West
7092950	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	331m	South West
7092896	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	338m	South East
7092931	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	338m	South
7092938	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	338m	South
7092945	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	339m	South West
7092959	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	342m	South
7092968	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	345m	South
7093063	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	353m	South East
7092961	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	359m	South
7117374	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	369m	South East
7092956	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	371m	South
7093087	Not classified	(Not classified) Not classified	Not classified	372m	South
7094333	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	373m	North East
7092893	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	374m	South East
7093116	Not classified	(Not classified) Not classified	Not classified	382m	South West
7092856	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	386m	East
7092999	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	394m	South East
7092914	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	419m	South East
7094520	Not classified	(Not classified) Not classified	Not classified	423m	West
7092930	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	431m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7092955	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	438m	South
7092915	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	440m	South East
7092932	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	443m	South East
7093082	Not classified	(Not classified) Not classified	Not classified	449m	South East
7093006	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	451m	South East
7092876	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	469m	West
7092970	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	470m	South
7092877	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	471m	West
7094338	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	478m	East
7093058	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	479m	South East
7092885	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	481m	West
7092889	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	481m	West
7092933	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	486m	South
7094509	Not classified	(Not classified) Not classified	Not classified	491m	West
7092878	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	499m	West
7094336	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	508m	North East
7092939	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	511m	South East
7092909	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	516m	South East
7093075	Not classified	(Not classified) Not classified	Not classified	520m	South East
7092924	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	523m	South
7094343	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	529m	North East
7093121	Not classified	(Not classified) Not classified	Not classified	540m	South East
7094326	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	540m	North
7092954	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	542m	South West
7092908	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	543m	South East
7092935	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	547m	South East
7092997	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	550m	South East
7093081	Not classified	(Not classified) Not classified	Not classified	559m	South East
7093124	Not classified	(Not classified) Not classified	Not classified	560m	South
7117431	Not classified	(Not classified) Not classified	Not classified	569m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7093117	Not classified	(Not classified) Not classified	Not classified	573m	South East
7092927	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	577m	South East
7092847	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Central Tableland Ribbon Gum Sheltered Forest	Southern Tableland Wet Sclerophyll Forests	582m	East
7093078	Not classified	(Not classified) Not classified	Not classified	595m	South East
7092957	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	603m	South West
7093057	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	605m	South East
7093061	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	609m	South East
7092880	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	613m	South West
7092921	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	614m	South
7093088	Not classified	(Not classified) Not classified	Not classified	622m	South
7117361	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	631m	East
7094365	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	638m	North East
7092881	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	639m	South West
7092861	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	640m	South East
7092906	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	647m	South East
7092853	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	649m	East
7094356	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	649m	North
7093144	Not classified	(Not classified) Not classified	Not classified	651m	South West
7093005	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	652m	South East
7093066	Not classified	(Not classified) Not classified	Not classified	656m	East
7092925	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	658m	South
7093085	Not classified	(Not classified) Not classified	Not classified	662m	South
7094334	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Central Tableland Ribbon Gum Sheltered Forest	Southern Tableland Wet Sclerophyll Forests	668m	North East
7092949	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	673m	South West
7092911	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	681m	South East
7092897	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	683m	South East
7092844	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	687m	South East
7092965	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	690m	South West
7094535	Not classified	(Not classified) Not classified	Not classified	693m	West
7093084	Not classified	(Not classified) Not classified	Not classified	702m	South
7117432	Not classified	(Not classified) Not classified	Not classified	706m	South East
7093062	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	710m	South East
7094325	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	710m	North West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7117248	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	710m	East
7094321	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	723m	North
7117426	Not classified	(Not classified) Not classified	Not classified	726m	South East
7092900	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	736m	South East
7092964	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	741m	South
7117246	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	741m	East
7092966	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	755m	South West
7093000	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	760m	South East
7094381	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	771m	North West
7092852	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	775m	East
7094536	Not classified	(Not classified) Not classified	Not classified	789m	West
7094364	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	797m	North East
7117417	Not classified	(Not classified) Not classified	Not classified	804m	South East
7094355	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	807m	North
7093076	Not classified	(Not classified) Not classified	Not classified	816m	South East
7094322	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	821m	North West
7117296	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	827m	South East
7092899	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	829m	East
7094354	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Central Tableland Ribbon Gum Sheltered Forest	Southern Tableland Wet Sclerophyll Forests	829m	North West
7092901	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	832m	East
7092843	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	833m	South East
7093065	Not classified	(Not classified) Not classified	Not classified	835m	East
7092850	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	836m	South East
7093079	Not classified	(Not classified) Not classified	Not classified	836m	East
7092892	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	845m	South East
7093083	Not classified	(Not classified) Not classified	Not classified	850m	West
7092860	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	852m	East
7092903	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	853m	East
7092904	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	861m	East
7092858	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	862m	East
7093073	Not classified	(Not classified) Not classified	Not classified	862m	South East
7092848	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	868m	East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7094387	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Swamp Woodland	Subalpine Woodlands	869m	North West
7092851	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	873m	East
7094376	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Central Tableland Ribbon Gum Sheltered Forest	Southern Tableland Wet Sclerophyll Forests	876m	North West
7094345	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	878m	North East
7092923	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	887m	South East
7092902	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	888m	East
7093003	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	888m	South East
7092891	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	899m	West
7094344	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	911m	East
7094508	Not classified	(Not classified) Not classified	Not classified	915m	West
7117366	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	915m	South East
7117249	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Grassy Box Woodland	Southern Tableland Grassy Woodlands	916m	East
7093067	Not classified	(Not classified) Not classified	Not classified	923m	East
7092905	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	924m	East
7092845	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	925m	South East
7092890	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	927m	West
7094388	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Swamp Woodland	Subalpine Woodlands	935m	North West
7117315	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	935m	South East
7117403	Not classified	(Not classified) Not classified	Not classified	939m	East
7117373	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	944m	South East
7092947	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	949m	South West
7094532	Not classified	(Not classified) Not classified	Not classified	956m	East
7092886	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	965m	West
7093110	Not classified	(Not classified) Not classified	Not classified	965m	South East
7094358	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	965m	North
7093111	Not classified	(Not classified) Not classified	Not classified	967m	South East
7117244	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	969m	South East
7094537	Not classified	(Not classified) Not classified	Not classified	978m	West
7093072	Not classified	(Not classified) Not classified	Not classified	979m	South East
7093080	Not classified	(Not classified) Not classified	Not classified	981m	East
7092943	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	988m	South West
7092913	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	991m	East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7094337	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	993m	East
7092910	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	995m	East
7094340	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	995m	East
7092855	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	997m	East
7117247	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	998m	East
7093071	Not classified	(Not classified) Not classified	Not classified	999m	South East
7094359	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	999m	North
7117430	Not classified	(Not classified) Not classified	Not classified	999m	South East

Native Vegetation Type Map : NSW Department of Planning and Environment 2022
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Ramsar Wetlands

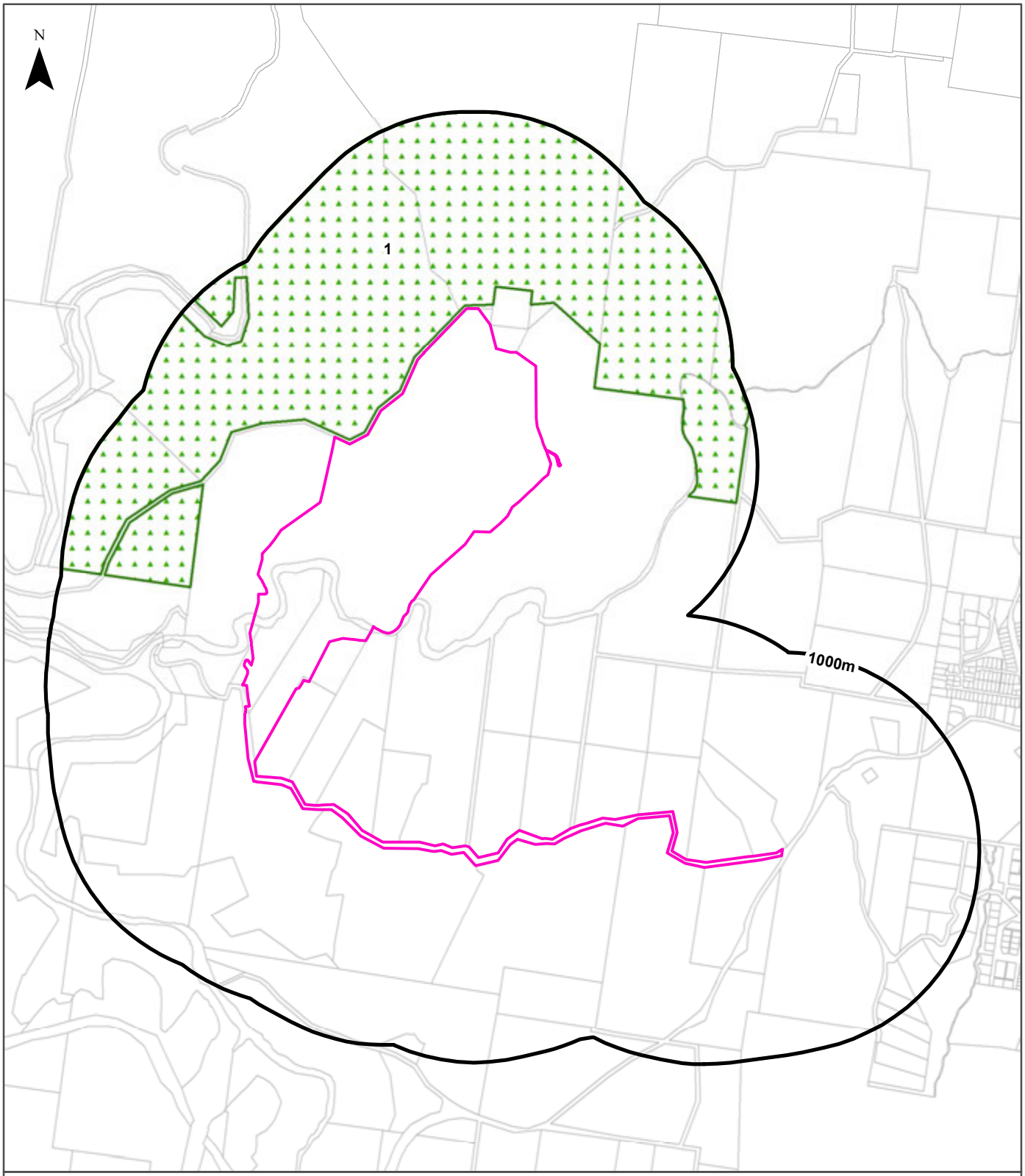
What Ramsar Wetland areas exist within the dataset buffer?

Map ID	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Agriculture, Water and the Environment

Ecological Constraints - Protected Areas

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Legend

IUCN category

- Site Boundary
- Buffer 1000m
- Property Boundary
- Strict Nature Reserve
- Wilderness Area
- National Park
- Natural Monument or Feature
- Habitat/Species Management Area
- Protected Landscape/Seascape
- Protected area sustainable use of natural resources
- Uncategorised Protected Area

Scale: 0 100 200 400 600 800 1,000 1,200 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Collaborative Australian Protected Areas Database - Terrestrial

Protected areas in terrestrial environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
1	Marrangaroo	National Park	National Park	NSW Department of Planning and Environment	State	19m	North

Collaborative Australian Protected Areas Database - Marine

Protected areas in marine environments identified by the CAPAD within the dataset buffer:

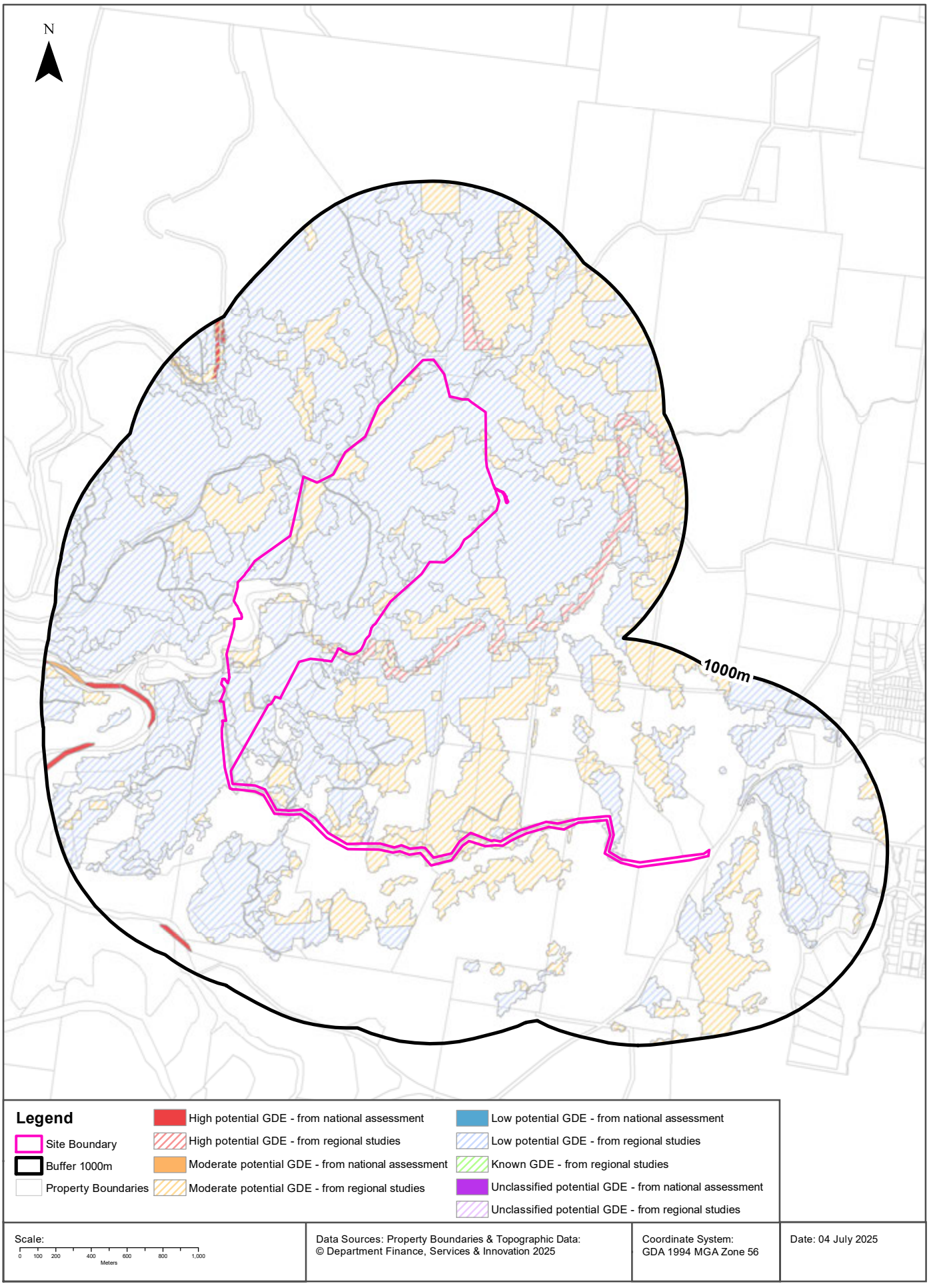
Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Source: Collaborative Australian Protected Areas Database (CAPAD) 2022

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Ecological Constraints - Groundwater Dependent Ecosystems Atlas

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

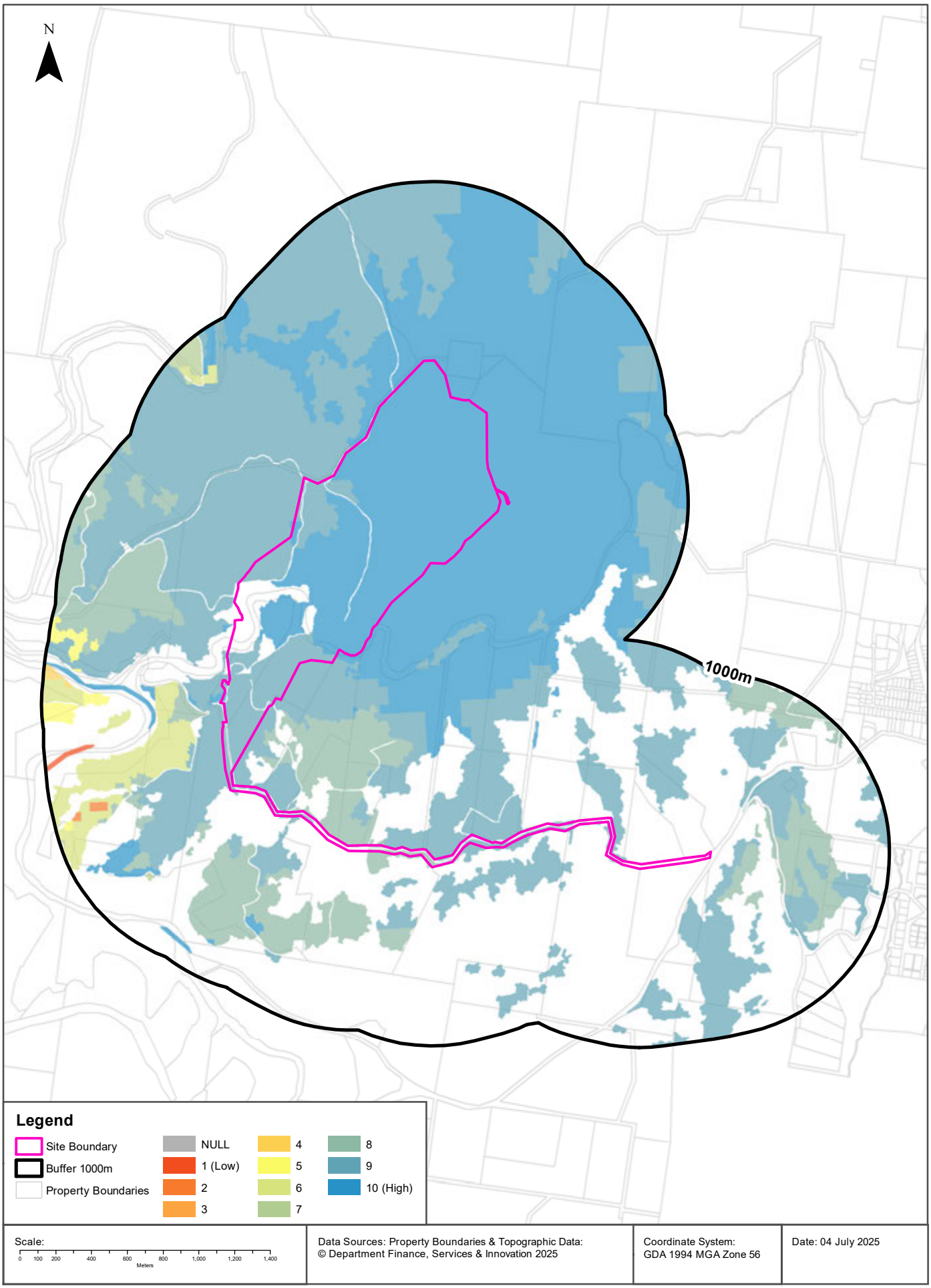
Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	High potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	Low potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	Moderate potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Aquatic	High potential GDE - from national assessment	Deeply dissected sandstone plateaus.	River		368m	South West
Aquatic	Moderate potential GDE - from national assessment	Deeply dissected sandstone plateaus.	River		757m	West

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints - Inflow Dependent Ecosystems Likelihood

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)



Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	10	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	9	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	8	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	6	Deeply dissected sandstone plateaus.	Vegetation		147m	South West
Aquatic	10	Deeply dissected sandstone plateaus.	River		368m	South West
Terrestrial	5	Deeply dissected sandstone plateaus.	Vegetation		616m	South West
Terrestrial	7	Deeply dissected sandstone plateaus.	Vegetation		640m	South West
Terrestrial	2	Deeply dissected sandstone plateaus.	Vegetation		685m	South West
Aquatic	1	Deeply dissected sandstone plateaus.	River		714m	South West
Aquatic	9	Deeply dissected sandstone plateaus.	River		739m	North West
Terrestrial	4	Deeply dissected sandstone plateaus.	Vegetation		824m	West
Aquatic	7	Deeply dissected sandstone plateaus.	River		873m	North West

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology

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Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 1 of 2)

NSW BioNet Species Sightings

Species sightings from the NSW BioNet Repository that have either a state or federal conservation status, or a sensitivity status, and are within 10 km of the site:
Note: This data does not include NSW Category 1 sensitive species.

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Category 2	Critically Endangered	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Category 3	Endangered	Endangered	
Animalia	Aves	Calyptorhynchus lathami lathami	South-eastern Glossy Black-Cockatoo	Category 2	Vulnerable	Vulnerable	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;JAMBA
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lathamus discolor	Swift Parrot	Not Sensitive	Endangered	Critically Endangered	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Manorina melanotis	Black-eared Miner	Not Sensitive	Critically Endangered	Endangered	
Animalia	Aves	Melanodryas cucullata cucullata	South-eastern Hooded Robin	Not Sensitive	Endangered	Endangered	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Oxyura australis	Blue-billed Duck	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Parvipsitta pusilla	Little Lorikeet	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Petroica phoenicea	Flame Robin	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pomatostomus temporalis temporalis	Grey-crowned Babbler (eastern subspecies)	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pycnoptilus floccosus	Pilotbird	Not Sensitive	Vulnerable	Vulnerable	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Pyrrholaemus sagittatus	Speckled Warbler	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Strepera graculina crissalis	Pied Currawong (Lord Howe Is. subsp.)	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Turnix maculosus	Red-backed Button-quail	Not Sensitive	Vulnerable	Not Listed	
Animalia	Insecta	Paralucia spinifera	Purple Copper Butterfly, Bathurst Copper Butterfly	Not Sensitive	Endangered	Vulnerable	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Chalinolobus picatus	Little Pied Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Not Sensitive	Vulnerable	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Nyctophilus bifax	Eastern Long-eared Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Petauroides volans	Southern Greater Glider	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Reptilia	Aspidites ramsayi	Woma	Not Sensitive	Vulnerable	Not Listed	
Plantae	Flora	Asterolasia buxifolia		Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Boronia deanei	Deane's Boronia	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Caesia parviflora var. minor	Small Pale Grass-lily	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Eucalyptus aggregata	Black Gum	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Eucalyptus pulverulenta	Silver-leafed Gum	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Persoonia acerosa	Needle Geebung	Not Sensitive	Vulnerable	Endangered	
Plantae	Flora	Persoonia hindii		Not Sensitive	Endangered	Endangered	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Veronica blakelyi		Not Sensitive	Endangered	Not Listed	

Source: NSW BioNet Species Sightings

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Location Confidences

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LC Code	Location Confidence
Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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LOTSEARCH ENVIRO PROFESSIONAL

Date: 04 Jul 2025 11:28:48

Reference: LS086753 EP

Address: South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

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The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features.
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Datasets contained within this report, detailing their source and data currency:

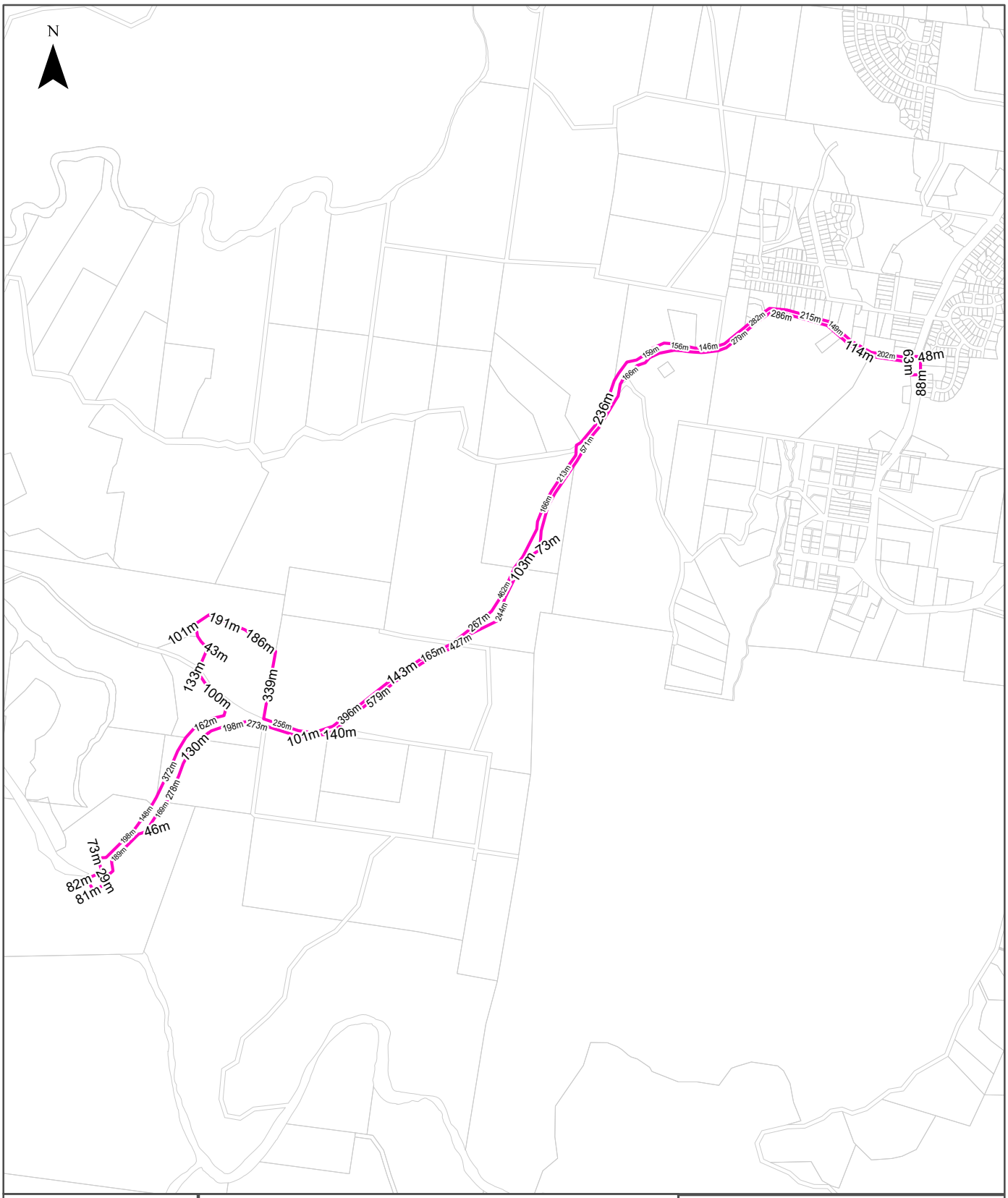
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	24/06/2025	24/06/2025	Monthly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	20/05/2025	20/05/2025	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority NSW	10/06/2025	08/05/2025	Monthly	1000m	0	1	1
Contaminated Land Records of Notice	Environment Protection Authority NSW	11/06/2025	11/06/2025	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority NSW	20/05/2025	15/05/2025	Quarterly	1000m	0	0	0
Notices under the POEO Act 1997	Environment Protection Authority NSW	30/06/2025	30/06/2025	Monthly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	30/05/2025	19/01/2023	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	16/10/2024	19/01/2023	Annually	1000m	0	1	1
EPA PFAS Investigation Program	Environment Protection Authority NSW	30/06/2025	05/02/2025	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Australian Department of Defence	11/06/2025	11/06/2025	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Australian Department of Defence	11/06/2025	11/06/2025	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	11/06/2025	21/05/2025	Monthly	2000m	0	0	0
Defence Controlled Areas	Australian Department of Defence	10/04/2025	10/04/2025	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Australian Department of Defence	11/06/2025	02/09/2022	Quarterly	2000m	0	0	0
National Unexploded Ordnance (UXO)	Australian Department of Defence	10/04/2025	10/04/2025	Quarterly	2000m	0	0	1
EPA Other Sites with Contamination Issues	Environment Protection Authority NSW	28/11/2024	15/12/2022	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	0	0	0
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority NSW	16/06/2025	16/06/2025	Monthly	1000m	3	3	3
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	0	0	0
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	3	3
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	1	1
Points of Interest	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	3	5	32
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/05/2025	19/05/2025	Quarterly	1000m	0	1	3
Major Easements	NSW Department of Customer Service - Spatial Services	20/05/2025	20/05/2025	Quarterly	1000m	0	3	7
State Forest	Forestry Corporation of NSW	18/12/2024	11/11/2024	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Geoscience Australia	22/04/2025	19/08/2019	Annually	1000m	1	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024	NSW Department of Climate Change, Energy, the Environment and Water	13/05/2025	28/06/2024	Quarterly	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	30/05/2025	04/03/2025	Annually	2000m	0	2	26
NSW Seamless Geology Single Layer: Rock Units	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	3	5	8
NSW Seamless Geology Single Layer: Geological Boundaries and Faults	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Trendlines	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Fold Axes	NSW Department of Primary Industries and Regional Development	19/05/2025	16/04/2024	Annually	1000m	0	0	0
Naturally Occurring Asbestos Potential	NSW Department of Primary Industries and Regional Development	05/05/2025	30/09/2015	Annually	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	15/01/2025	17/02/2011	Annually	1000m	2	2	2
Soil Landscapes of Central and Eastern NSW	NSW Department of Climate Change, Energy, the Environment and Water	18/12/2024	27/07/2020	Annually	1000m	5	6	10
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Housing and Infrastructure	26/06/2025	09/05/2025	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	15/01/2025	21/02/2013	Annually	1000m	2	2	2
Dryland Salinity - National Assessment	Australian Bureau of Agricultural and Resource Economics and Sciences	03/06/2025	15/04/2025	Annually	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service	20/05/2025	20/05/2025	Quarterly	1000m	0	0	1
Current Mining Titles	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Primary Industries and Regional Development	02/06/2025	02/06/2025	Monthly	1000m	5	5	5
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Housing and Infrastructure	26/06/2025	08/09/2023	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Housing and Infrastructure	26/06/2025	13/06/2025	Monthly	1000m	5	9	28
Commonwealth Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	1
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	20/05/2025	21/03/2025	Quarterly	1000m	0	0	2
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Housing and Infrastructure	26/06/2025	13/06/2025	Monthly	1000m	0	1	16
Bush Fire Prone Land	NSW Rural Fire Service	24/06/2025	23/06/2025	Monthly	1000m	3	3	3
NSW Native Vegetation Type Map	NSW Department of Climate Change, Energy, the Environment and Water	28/05/2025	04/10/2024	Quarterly	1000m	11	28	244
Ramsar Wetlands of Australia	Australian Department of Climate Change, Energy, the Environment and Water	19/05/2025	05/03/2025	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Terrestrial	Australian Department of Climate Change, Energy, The Environment and Water	20/03/2025	19/06/2024	Annually	1000m	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Marine	Australian Department of Climate Change, Energy, The Environment and Water	20/03/2025	30/06/2022	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	30/05/2025	07/05/2020	Annually	1000m	2	5	5
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	30/05/2025	07/05/2020	Annually	1000m	6	10	15
NSW BioNet Species Sightings	NSW Department of Climate Change, Energy, the Environment and Water	13/06/2025	13/06/2025	Monthly	10000m	-	-	-

Site Diagram

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 306577m²

Total Perimeter: 12.74km

Scale: 0 125 250 500 750 1,000 1,250 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Disclaimers:

Measurements are approximate only and may have been simplified or smaller lengths removed for readability.

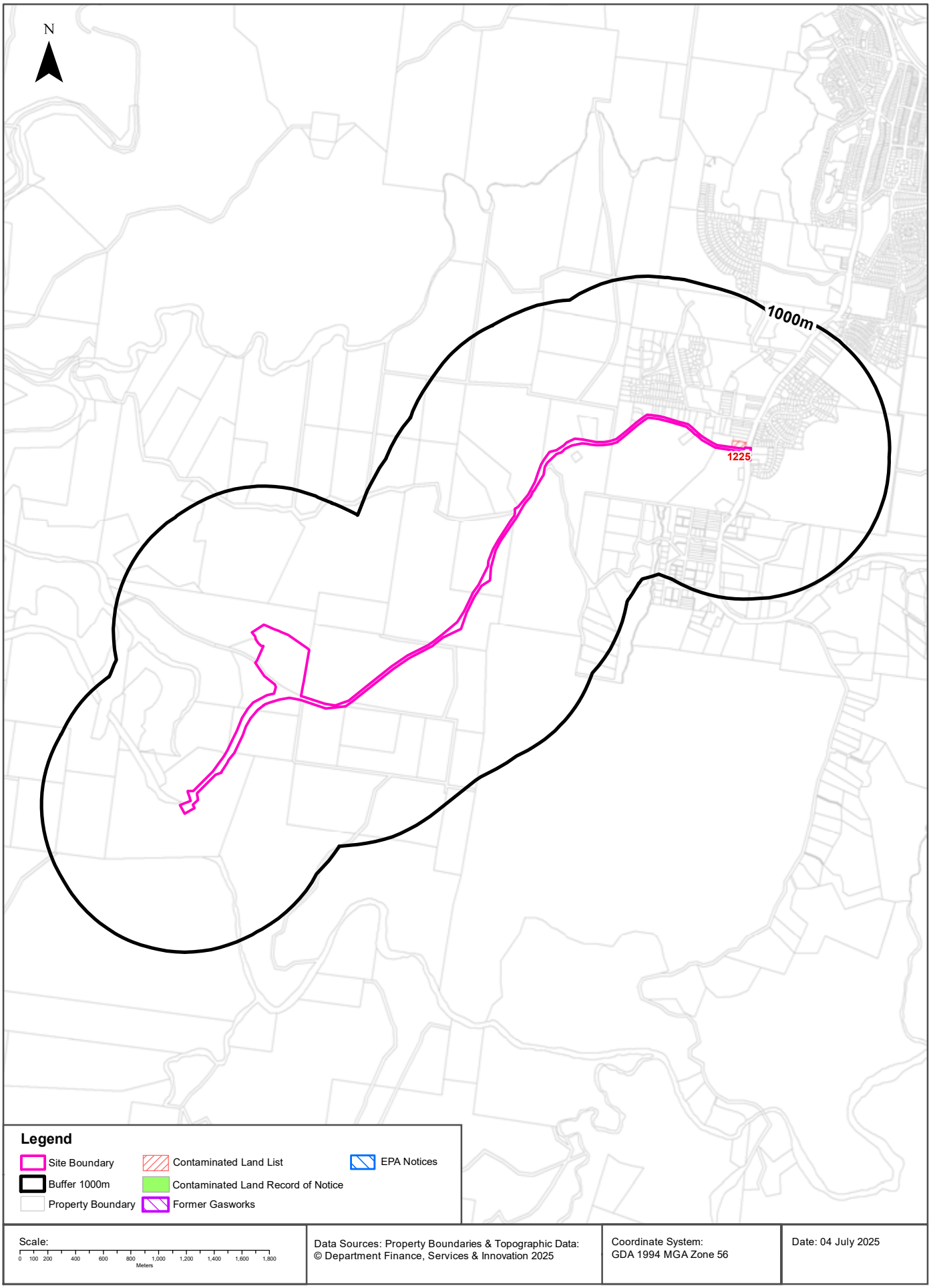
Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Contaminated Land

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Contaminated Land

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist	Direction
1225	Shell Coles Express Service Station	Lot 1 Great Western Highway	South Bowenfels	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	0m	North East

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
N/A	No records in buffer							

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

EPA Notices

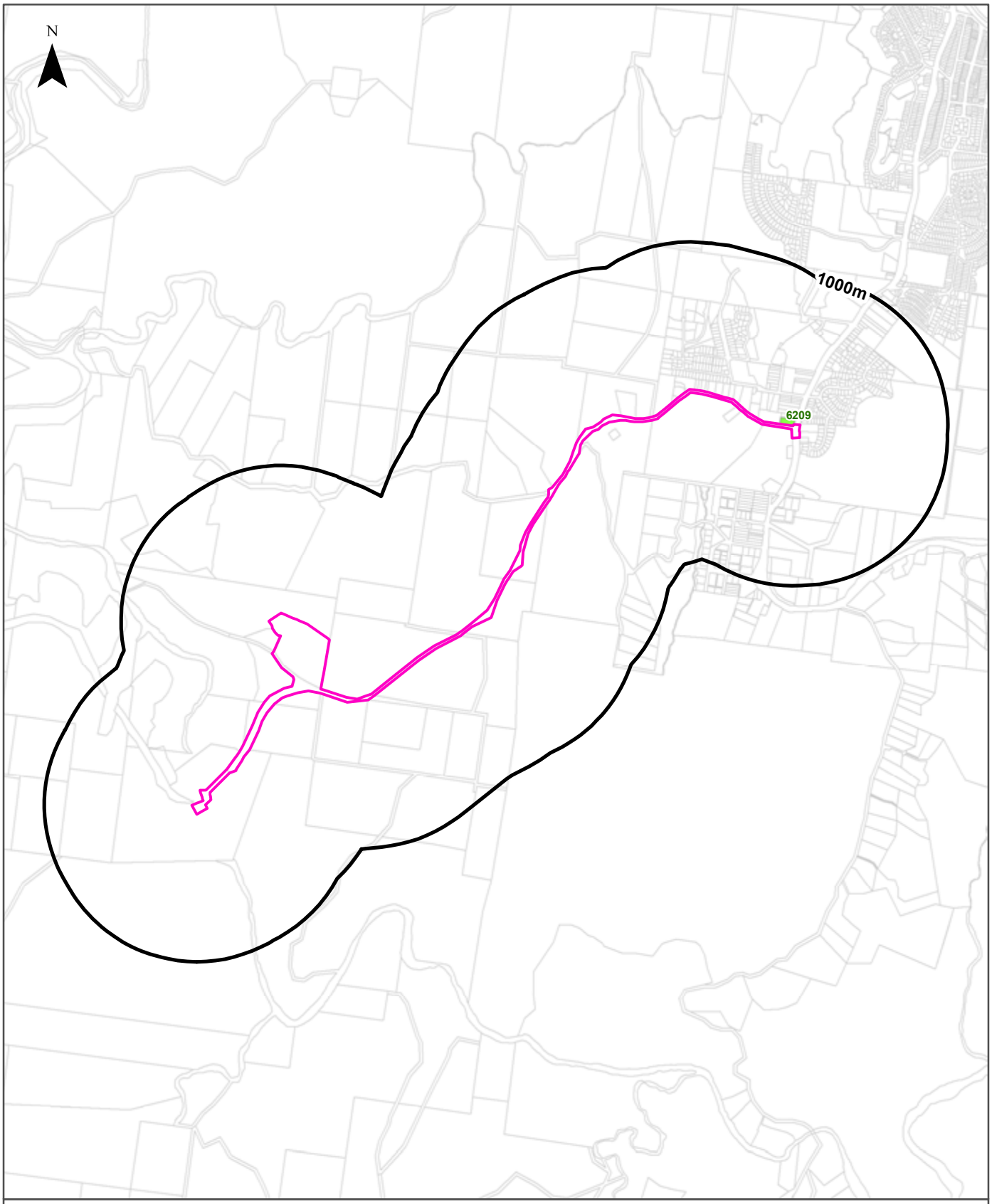
Penalty Notices, s.91 & s.92 Clean up Notices and s.96 Prevention Notices within the dataset buffer:

Map ID	Number	Type	Name	Address	Status	Issued Date	Act	Offence	Offence Date	Loc Conf	Dist	Dir
N/A	No records in buffer											

NSW EPA Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 1000m
- Property Boundary
- Waste Management Facilities
- National Liquid Fuel Facilities

Scale:	Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025	Coordinate System: GDA 1994 MGA Zone 56	Date: 04 July 2025

0 100 200 400 600 800 1,000 1,200 1,400 1,600 1,800 Meters

Waste Management & Liquid Fuel Facilities

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

National Waste Management Facilities Database

Sites on the National Waste Management Facilities Database within the dataset buffer:

Map ID	Owner	Name	Address	Management Type	Facility Type	Status	Loc Conf	Dist	Dir
N/A	No records in buffer								

Source: Waste Management Facilities Database
Creative Commons 4.0 © Commonwealth of Australia (Geoscience Australia) 2022

National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Direction
6209	COLES EXPRESS	COLES EXPRESS SOUTH BOWENFELS	LOT 1 GREAT WESTERN HIGHWAY	SOUTH BOWENFELS	PETROL STATION	OPERATIONAL			Premise Match	0m	North East

National Liquid Fuel Facilities Data Source: Geoscience Australia
Creative Commons 4.0 © Commonwealth of Australia

PFAS Investigation & Management Programs

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Map ID	Site	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

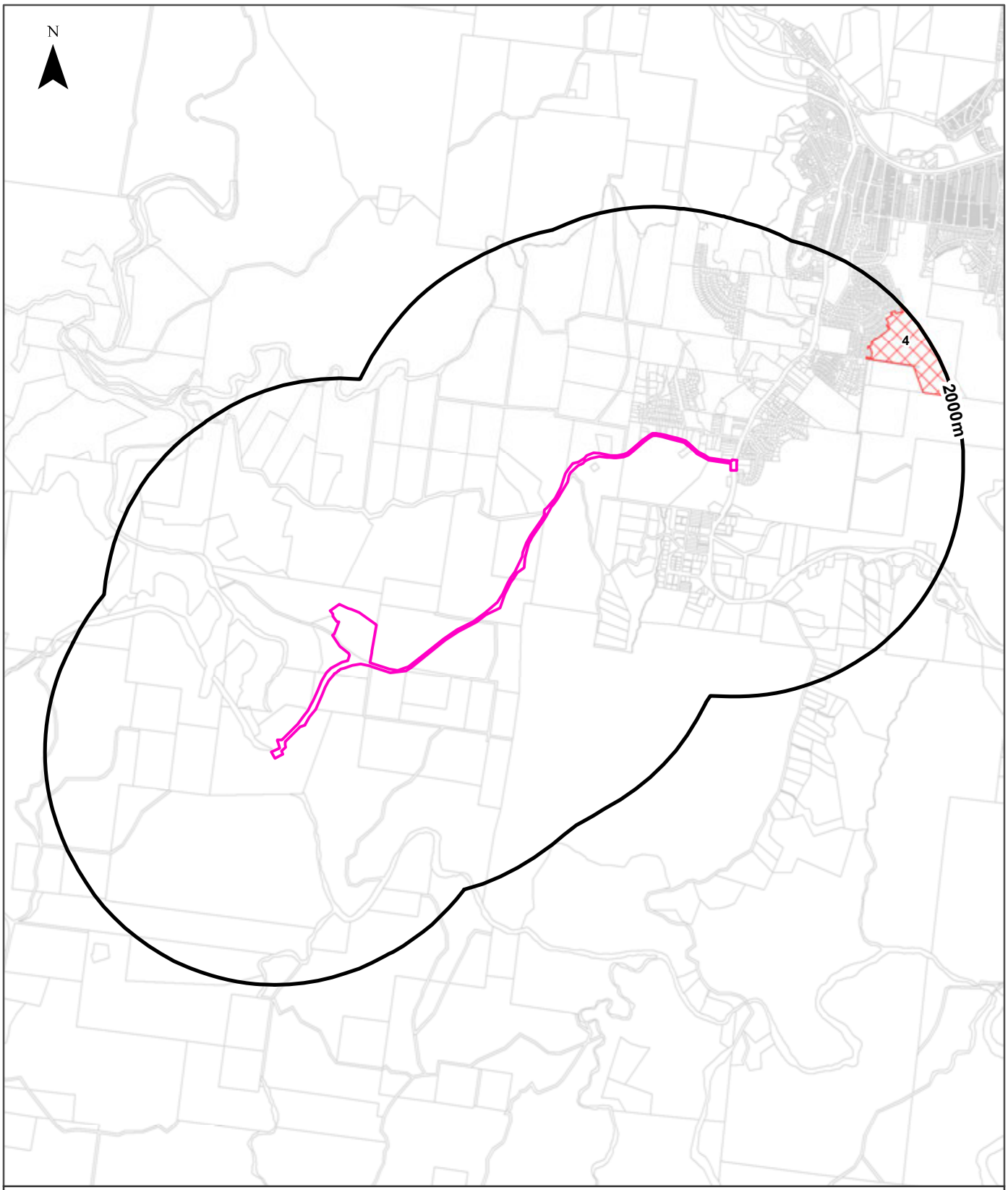
Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites and Unexploded Ordnance

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 2000m
- Property Boundaries

DCA

- Defence Controlled Area

Defence 3 Year RCIP

- Known Contamination
- No Known Contamination

UXO

- Substantial Potential
- Slight Potential
- Remote Potential
- Sea Dumping of Depth Charges
- Information
- Other
- Other Sea Dumping Sites

Scale: 0 200 400 800 1,200 1,600 2,000 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Defence Sites and Unexploded Ordnance

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Defence Controlled Areas (DCA)

Defence Controlled Areas provided by the Department of Defence within the dataset buffer:

Site ID	Location Name	Loc Conf	Dist	Dir
N/A	No records in buffer			

Defence Controlled Areas, Data Custodian: Department of Defence, Australian Government

Defence 3 Year Regional Contamination Investigation Program (RCIP)

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

National Unexploded Ordnance (UXO)

Sites which have been assessed by the Department of Defence for the potential presence of unexploded ordnance within the dataset buffer:

Site ID	Location Name	Category	Area Description	Additional Information	Commonwealth	Loc Conf	Dist	Dir
4	Lithgow	Substantial Potential	This site is part of the Lithgow Small Arms Factory, but larger explosives have also been used on it.		Not Commonwealth Land	As Supplied	1448m	North East

National Unexploded Ordnance (UXO), Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasminco Lead Abatement Strategy Area

Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

EPA Activities

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Licensed Activities under the POEO Act 1997

Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

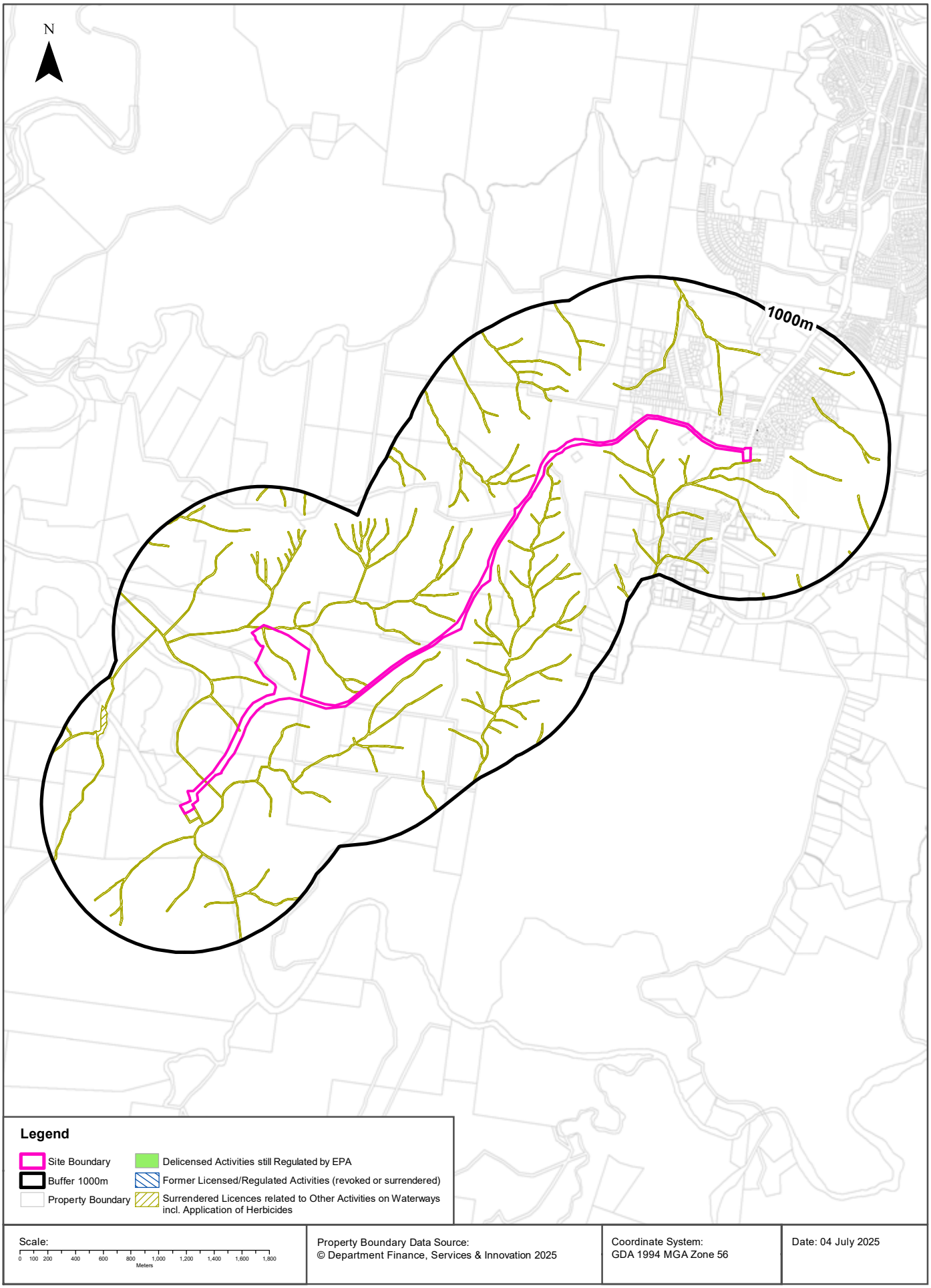
EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



EPA Activities

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

Delicensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

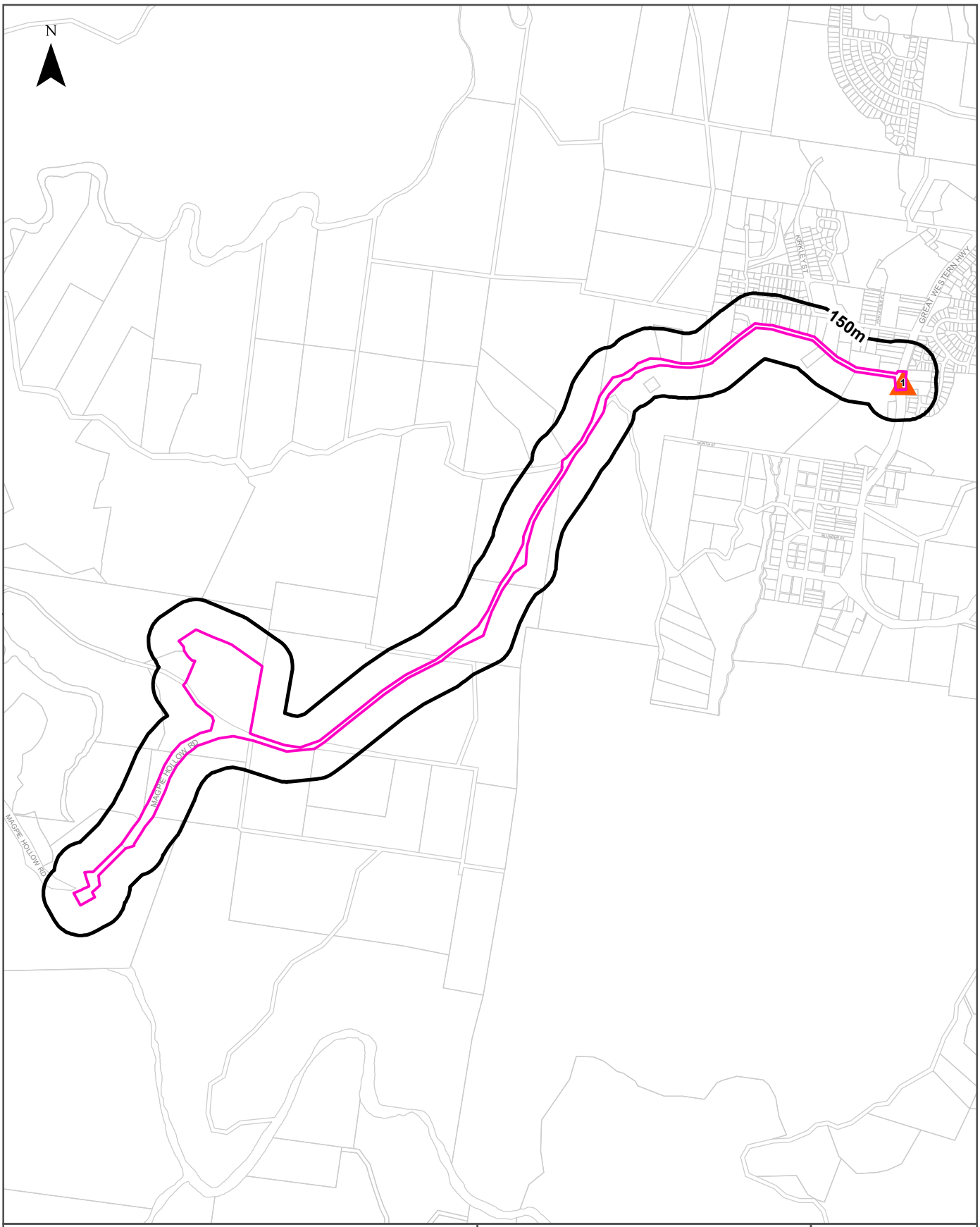
Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site

Former Licensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Historical Business Directories

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 150m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 360 720 1,080 1,440 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Historical Business Directories

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Business Directory Records 1950-1991
Premise or Road Intersection Matches

Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Business Directory Records 1950-1991
Road or Area Matches

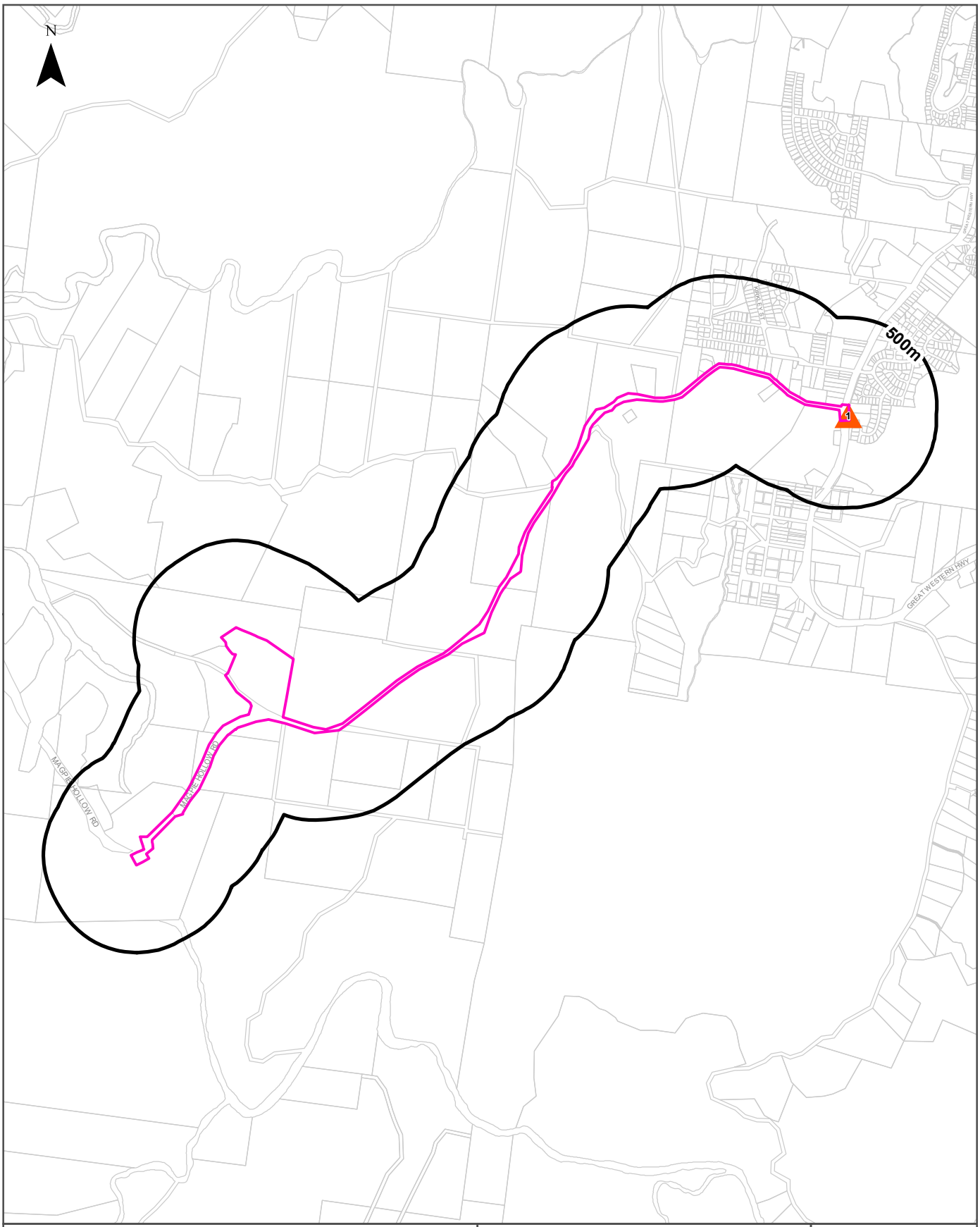
Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	ELECTRICAL CONTRACTORS - LICENSED	McClelland, F. R., Great Western Highway, South Bowenfels 2790	131494	1982	Road Match	0m
	ELECTRICAL CONTRACTORS-LICENSED	McClelland, F. R., Great Western Hghwy., South Bowenfels	543508	1970	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Bowenfels' Service Station, Great Western Highway., South Bowenfels	213257	1961	Road Match	0m

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Dry Cleaners, Motor Garages & Service Stations

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 500m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 420 840 1,260 1,680 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Historical Business Directories

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

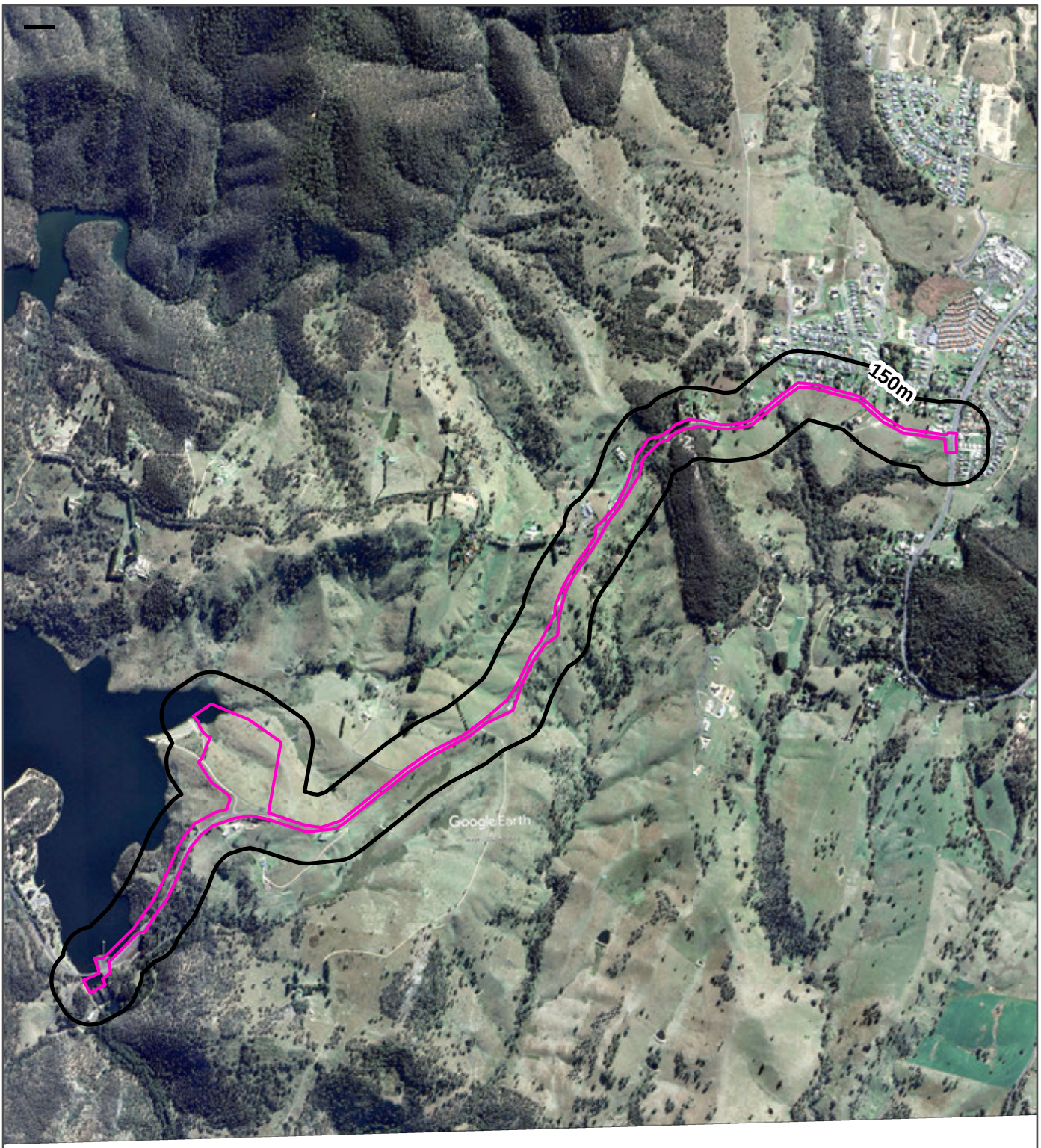
Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Bowenfels' Service Station, Great Western Highway., South Bowenfels	213257	1961	Road Match	0m

Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018

Aerial Imagery 2025

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 150m

Scale:
0 310 620 930 1,240
Meters

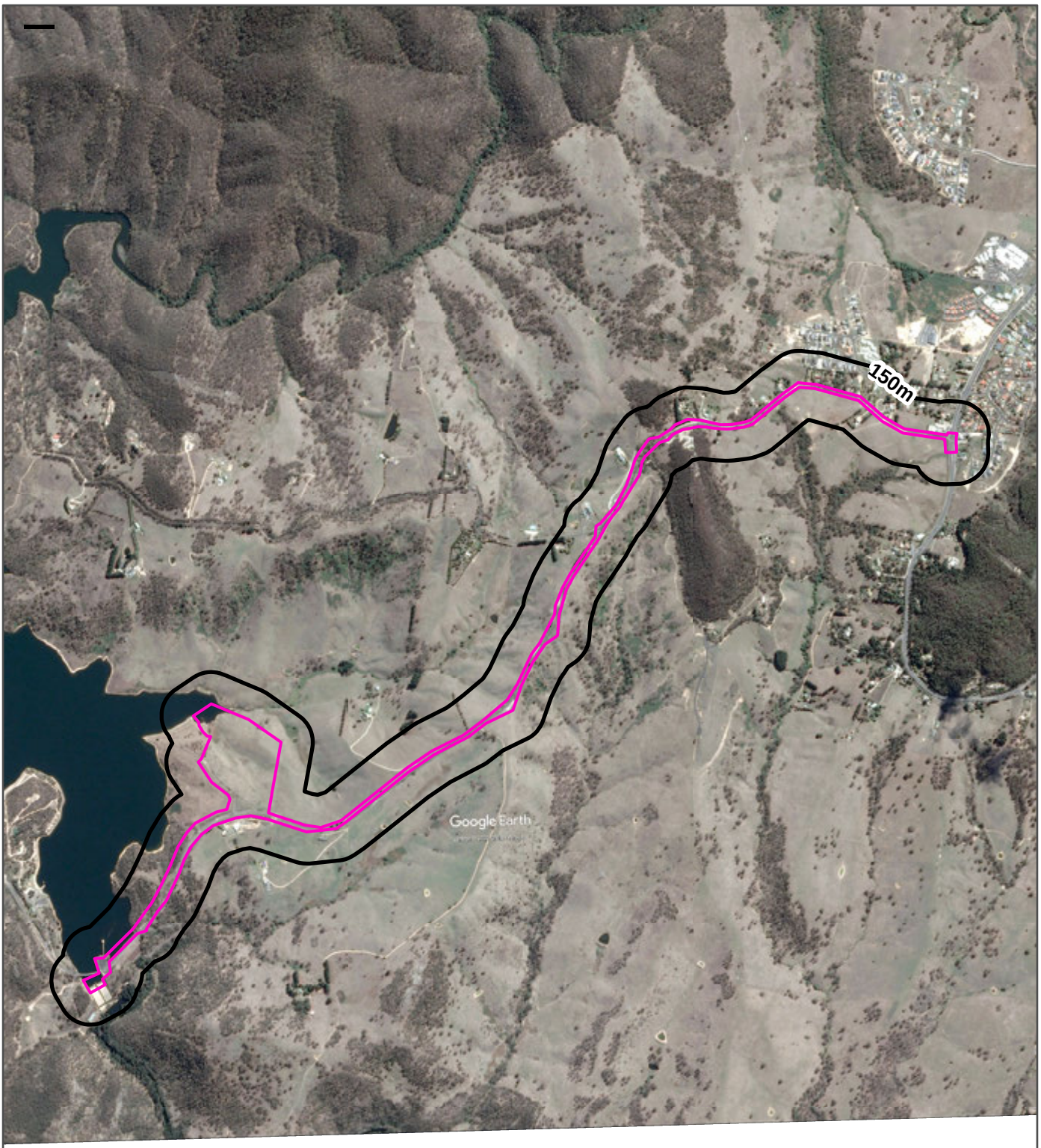
Data Source Aerial Imagery: © 2025 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 03 July 2025

Aerial Imagery 2014

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 150m

Scale:
0 310 620 930 1,240
Meters

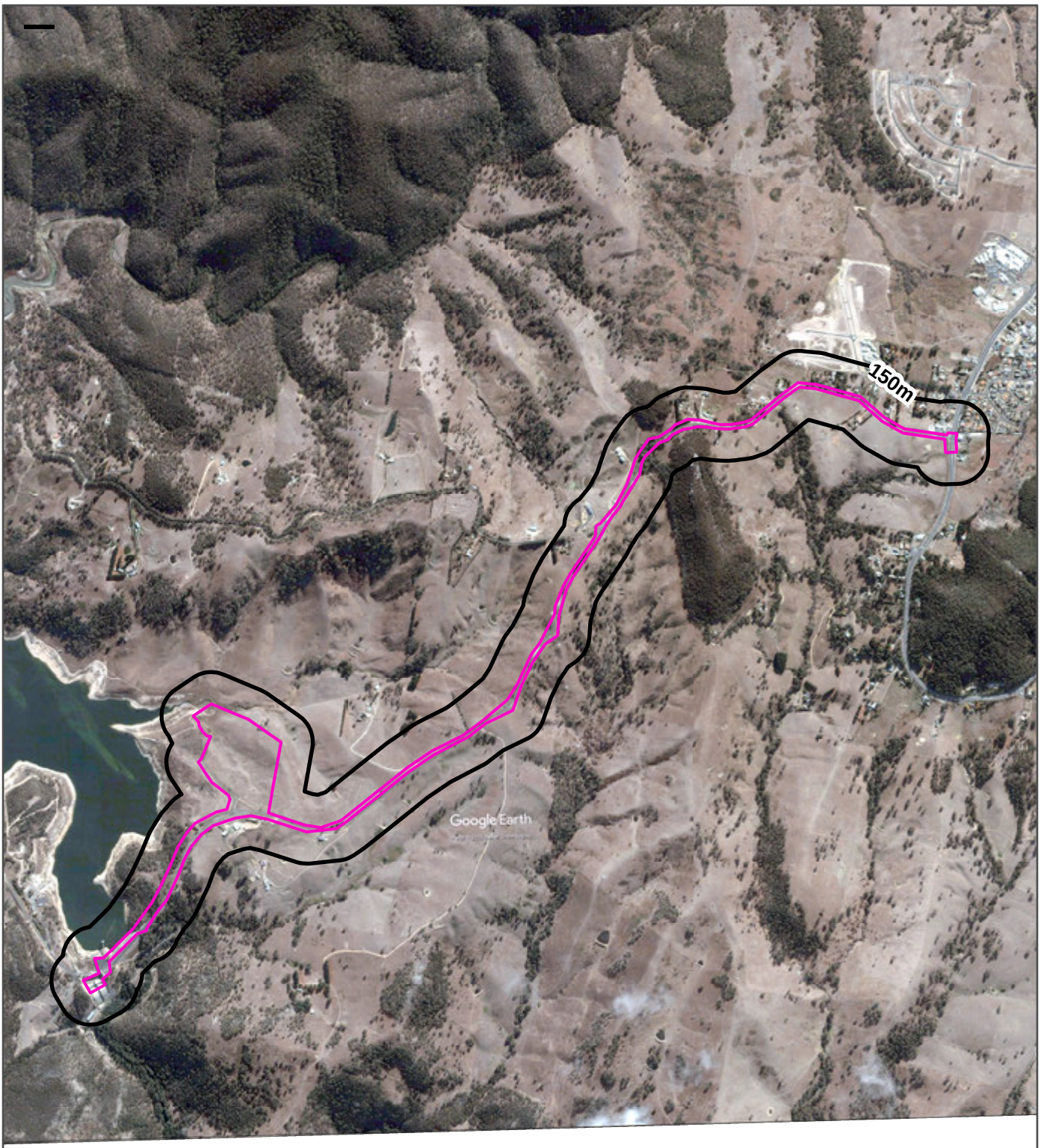
Data Source Aerial Imagery: © 2025 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 03 July 2025

Aerial Imagery 2006

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 150m

Scale:

0 310 620 930 1,240
Meters

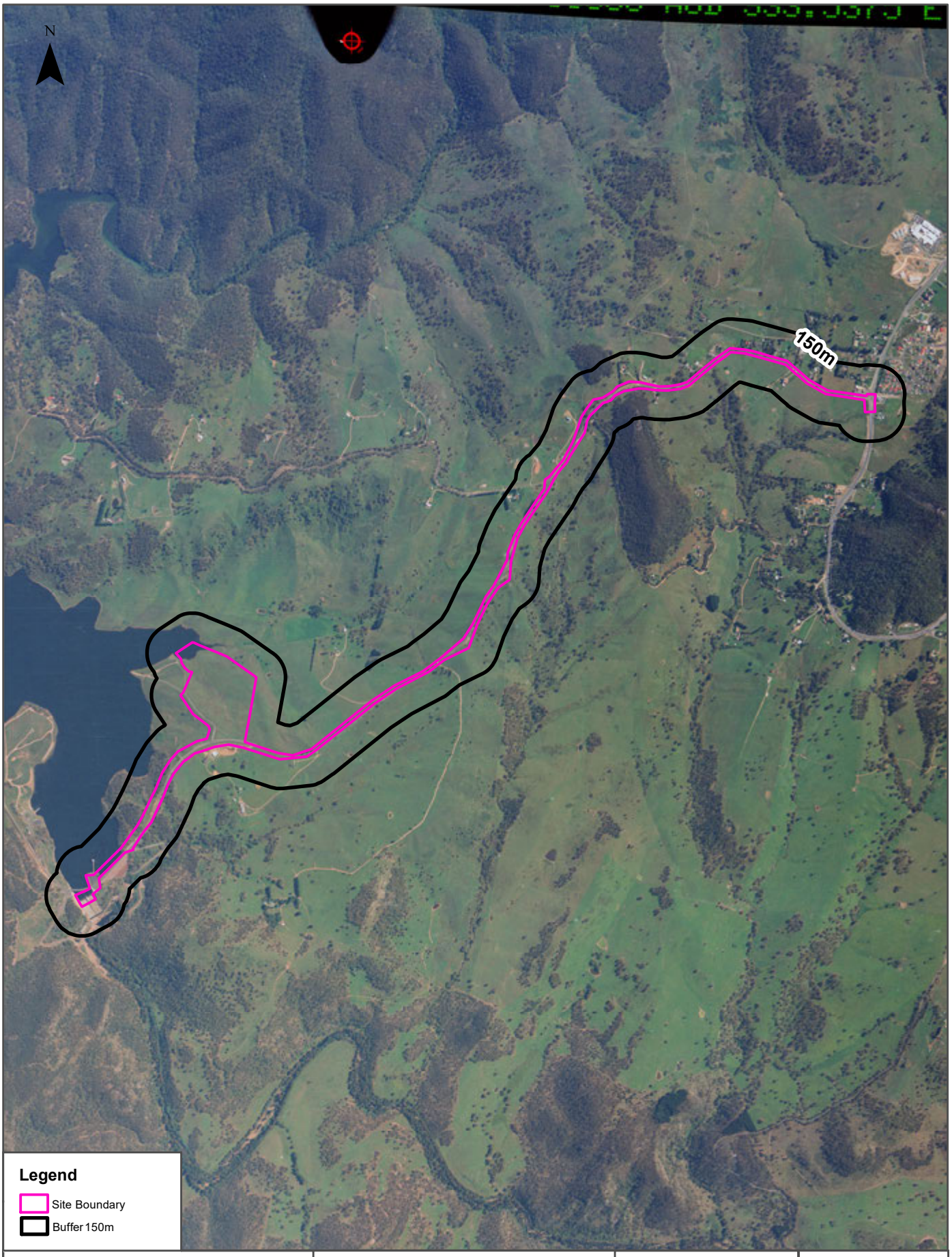
Data Source Aerial Imagery: © 2025 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 03 July 2025

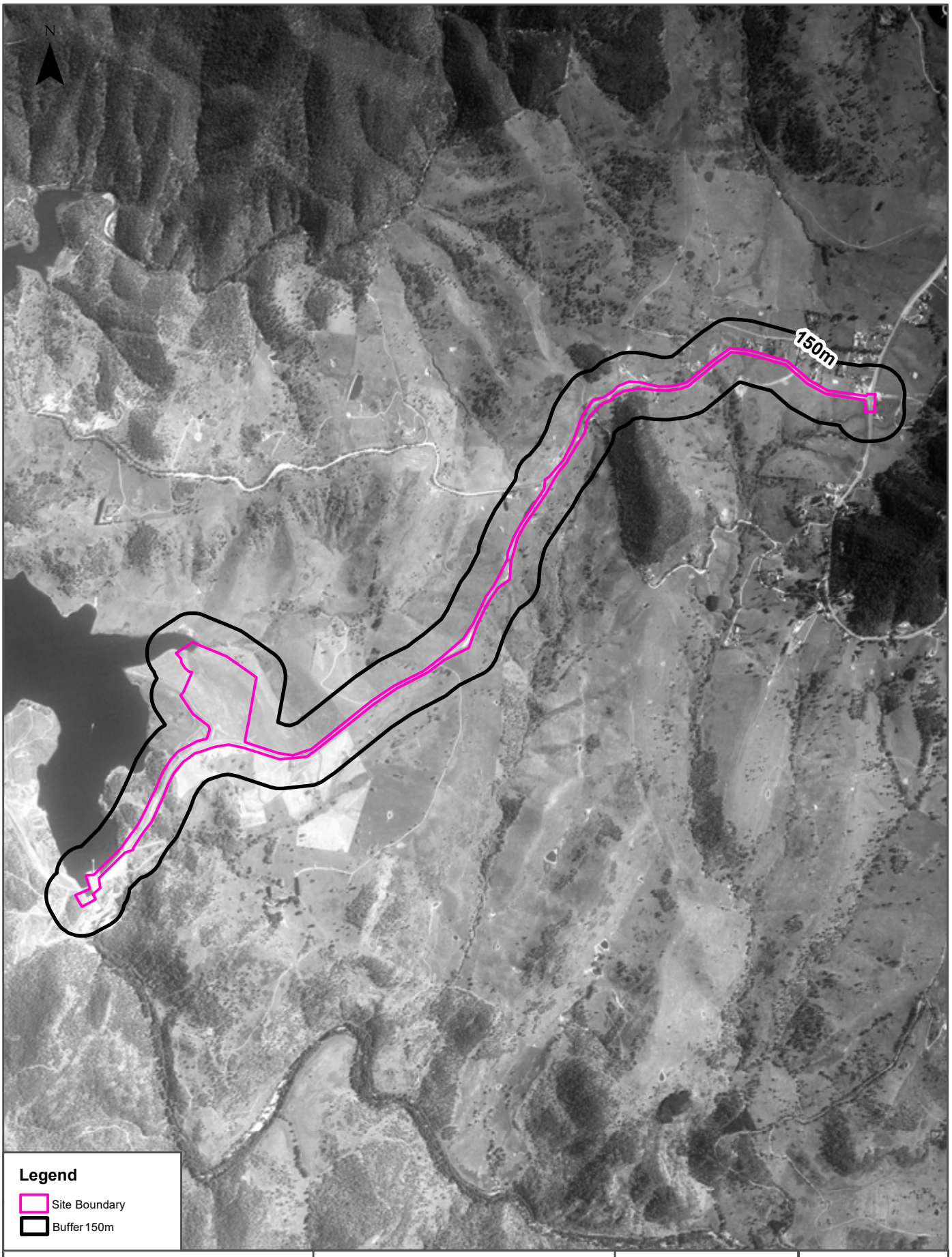
Aerial Imagery 1999

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



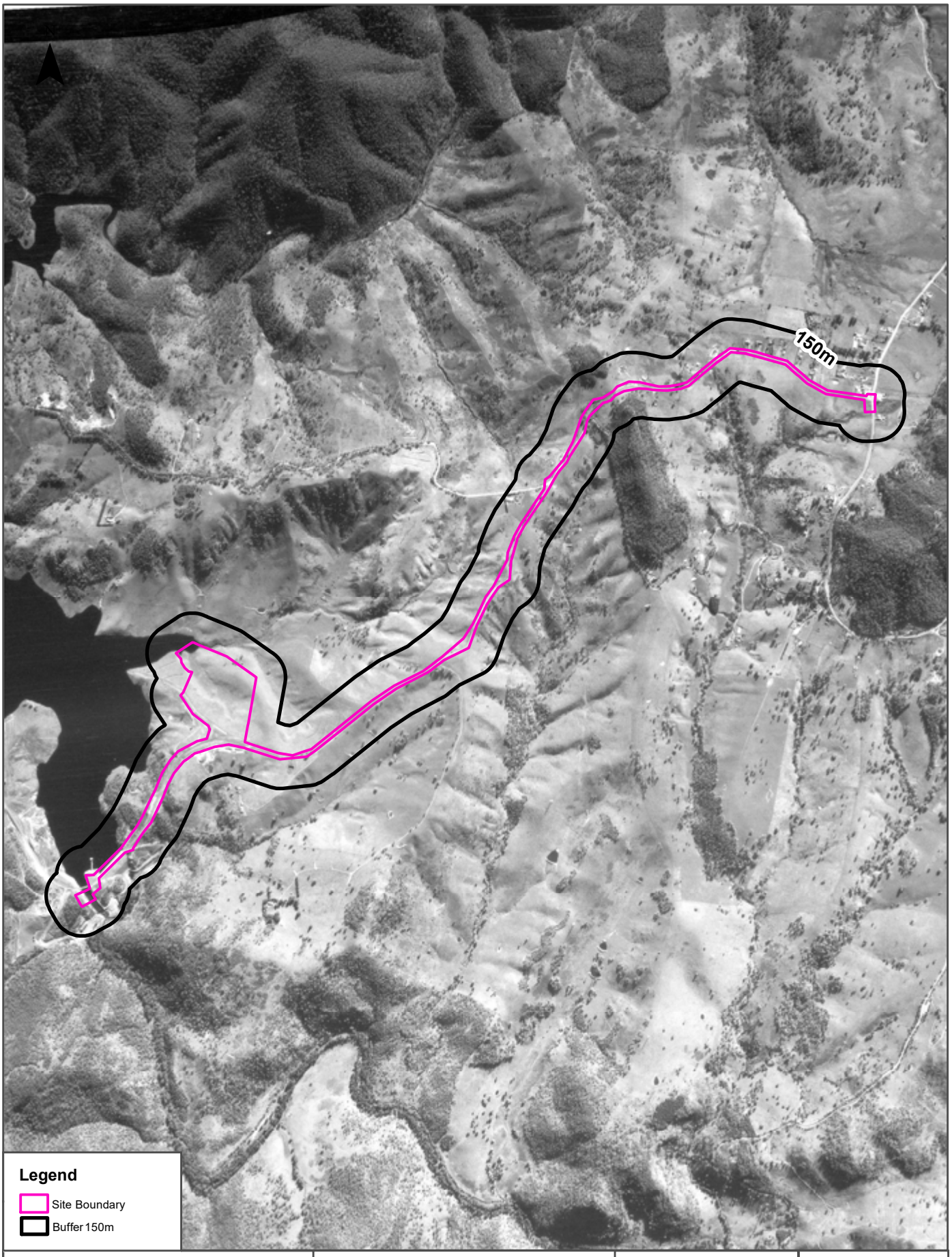
Aerial Imagery 1989

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



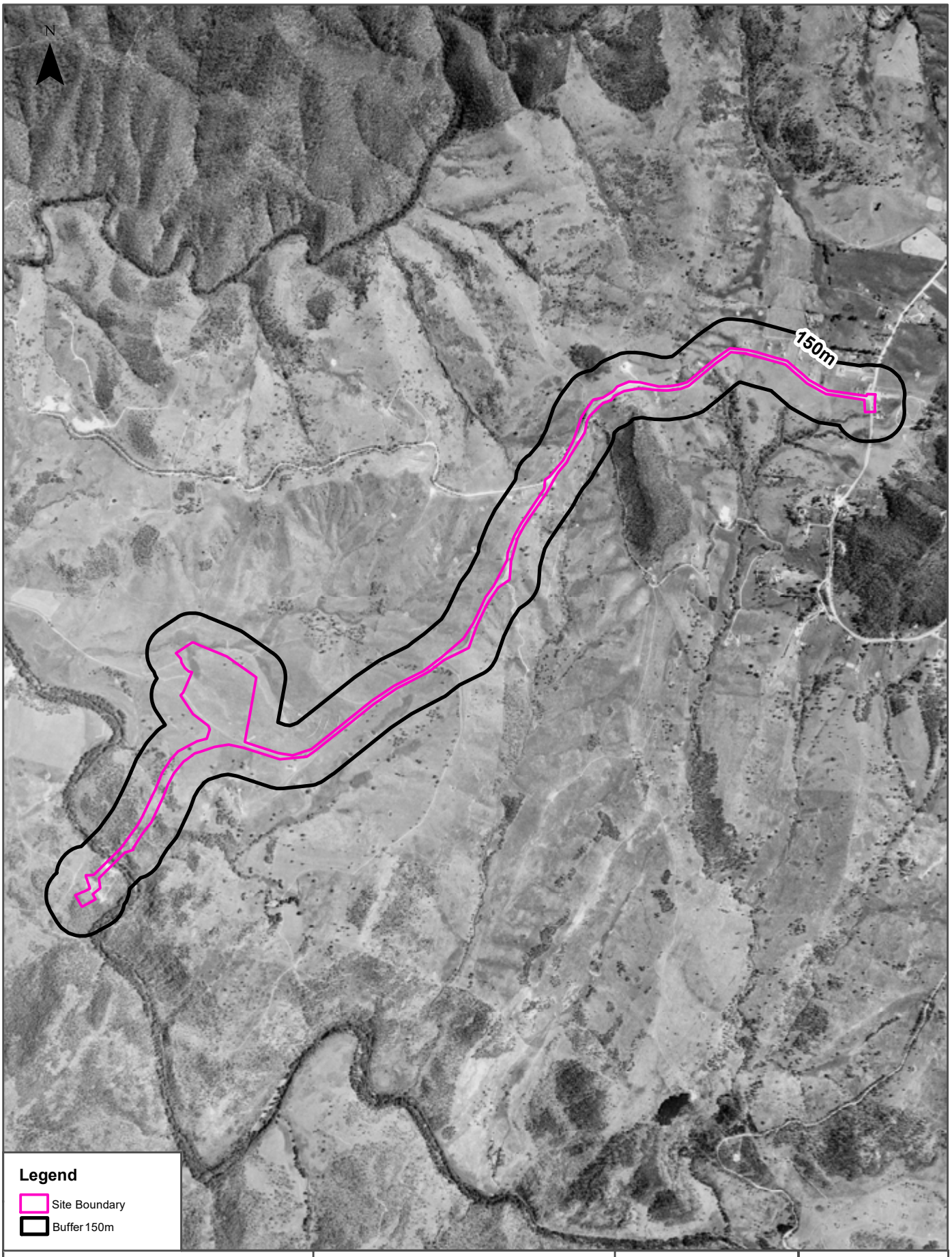
Aerial Imagery 1984

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



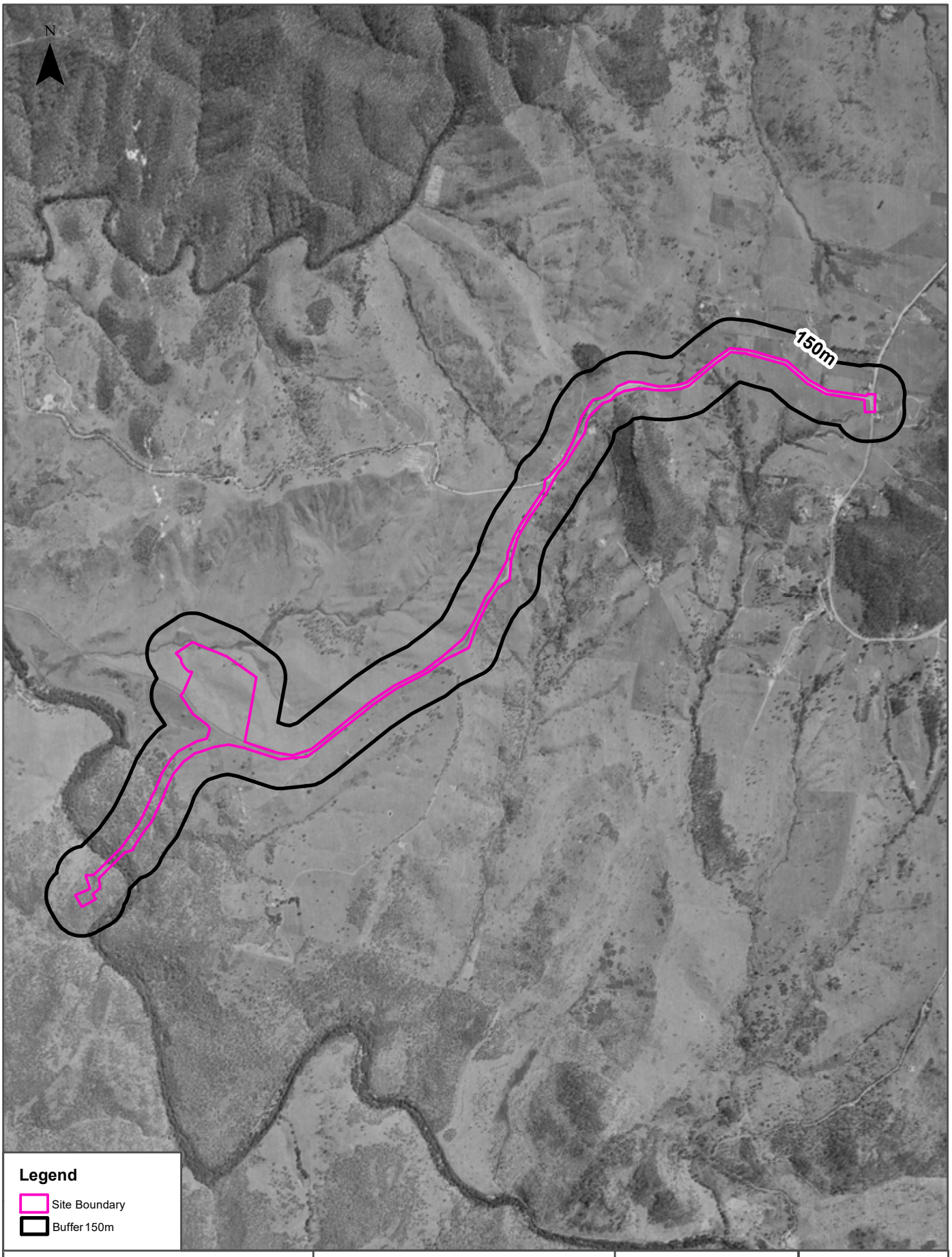
Aerial Imagery 1975

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



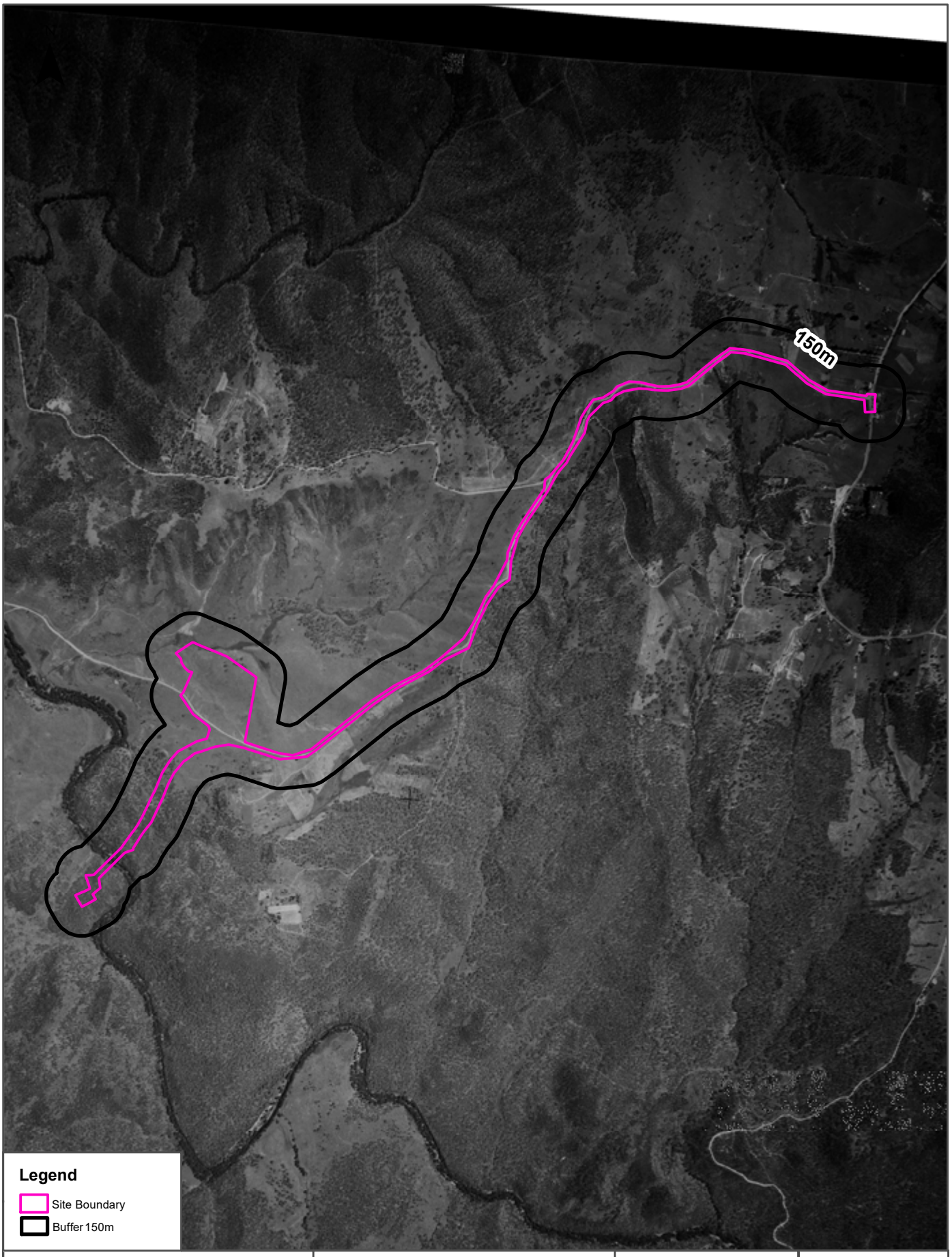
Aerial Imagery 1966

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



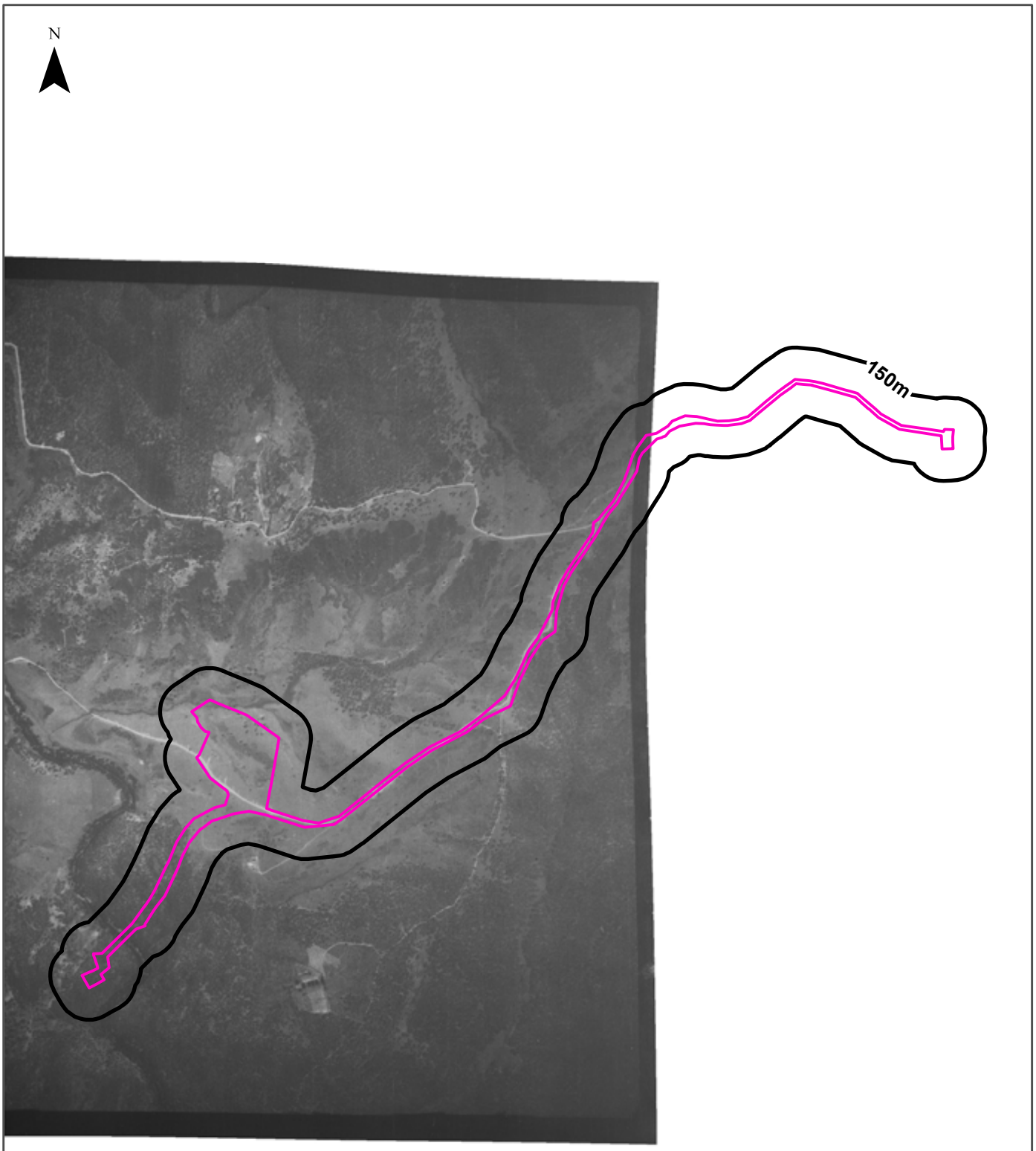
Aerial Imagery 1954

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Aerial Imagery 1931

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

Site Boundary

Buffer 150m

Scale:

0 310 620 930 1,240

Meters

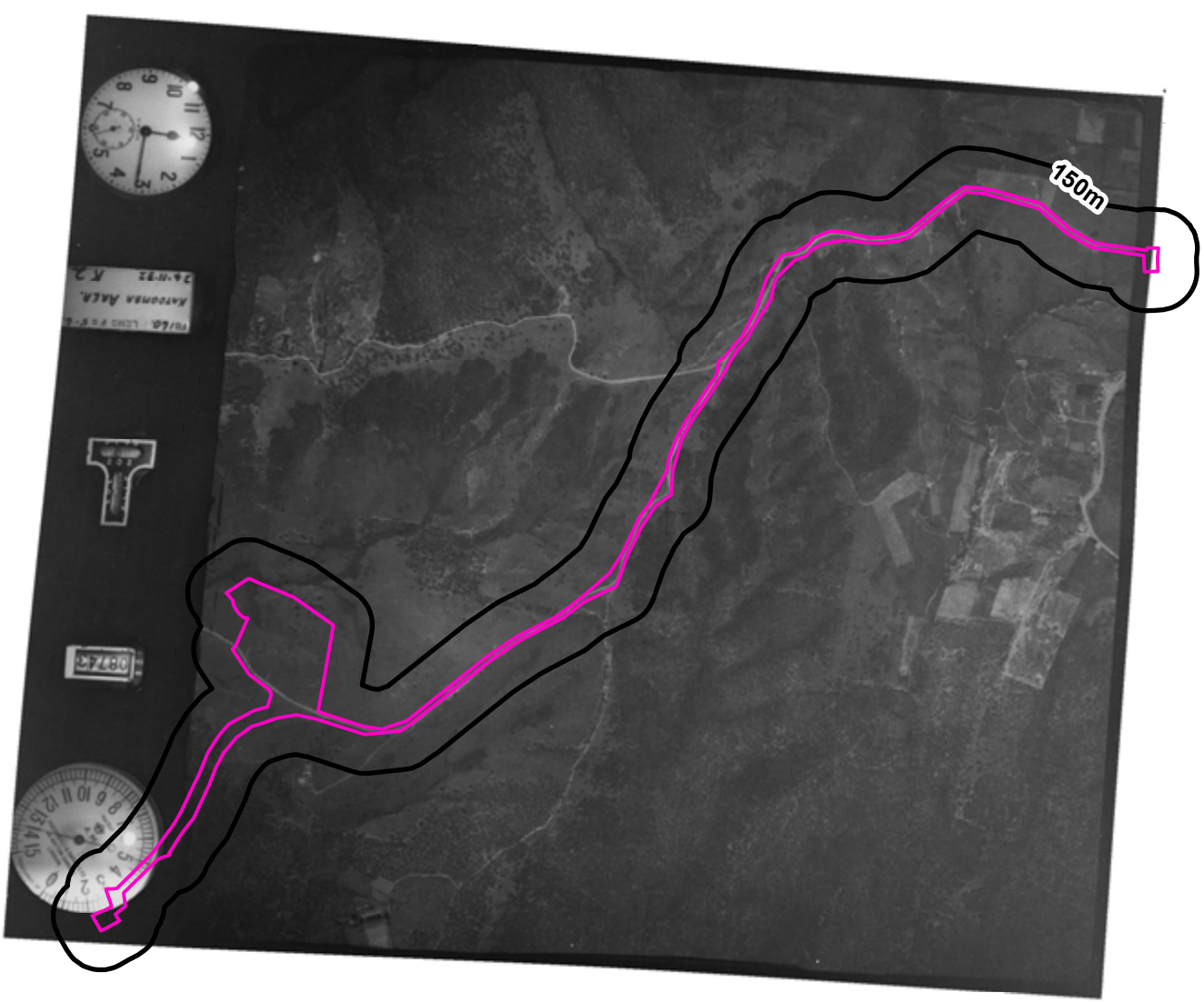
Data Source Aerial Imagery: © 2025 Geoscience Australia

Coordinate System:
GDA 1994 MGA Zone 56

Date: 03 July 2025

Aerial Imagery 1931

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

- Site Boundary
- Buffer 150m

Scale: 0 310 620 930 1,240 Meters

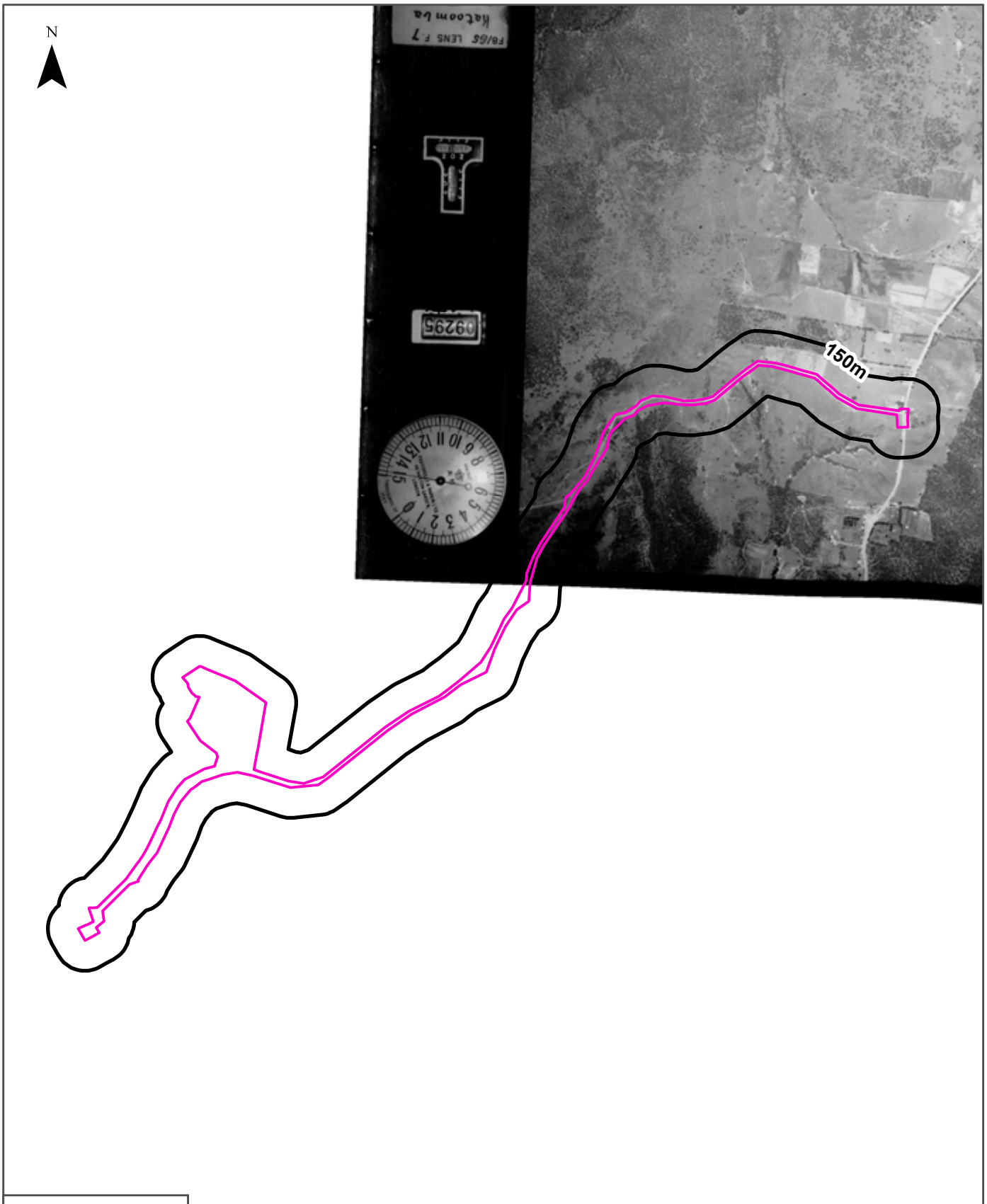
Data Source Aerial Imagery: © 2025 Geoscience Australia

Coordinate System: GDA 1994 MGA Zone 56

Date: 03 July 2025

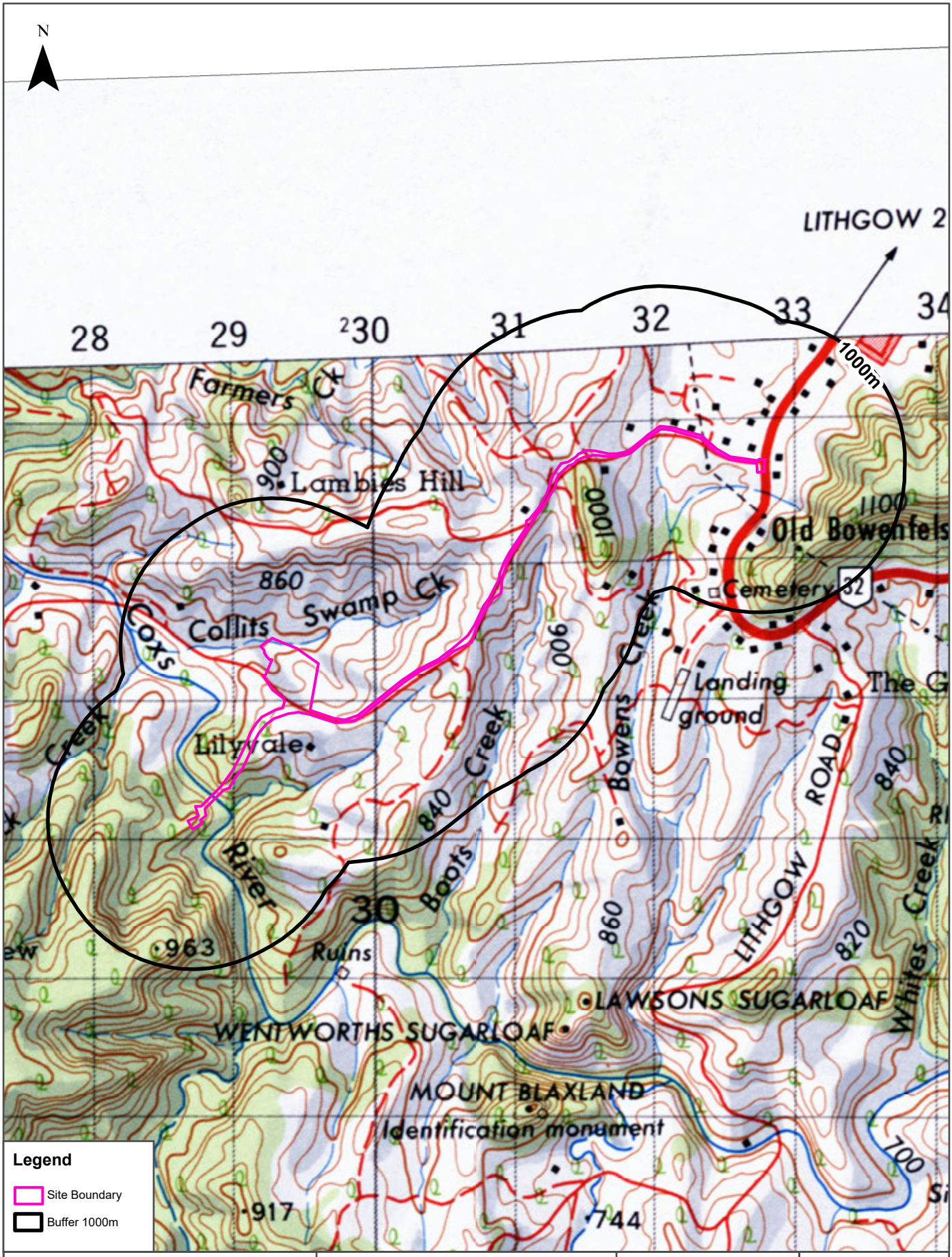
Aerial Imagery 1931

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



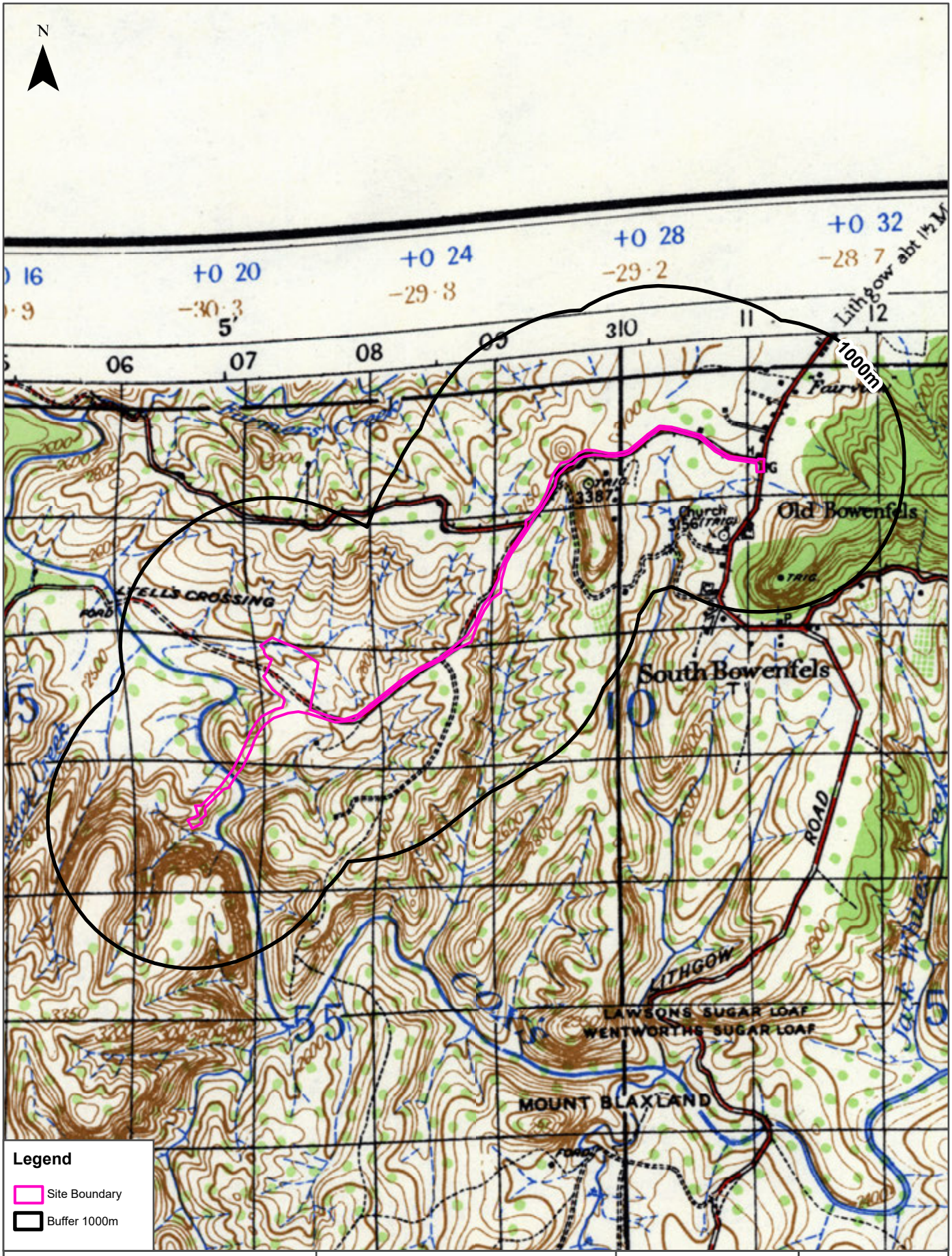
Historical Map 1972

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Historical Map c.1935

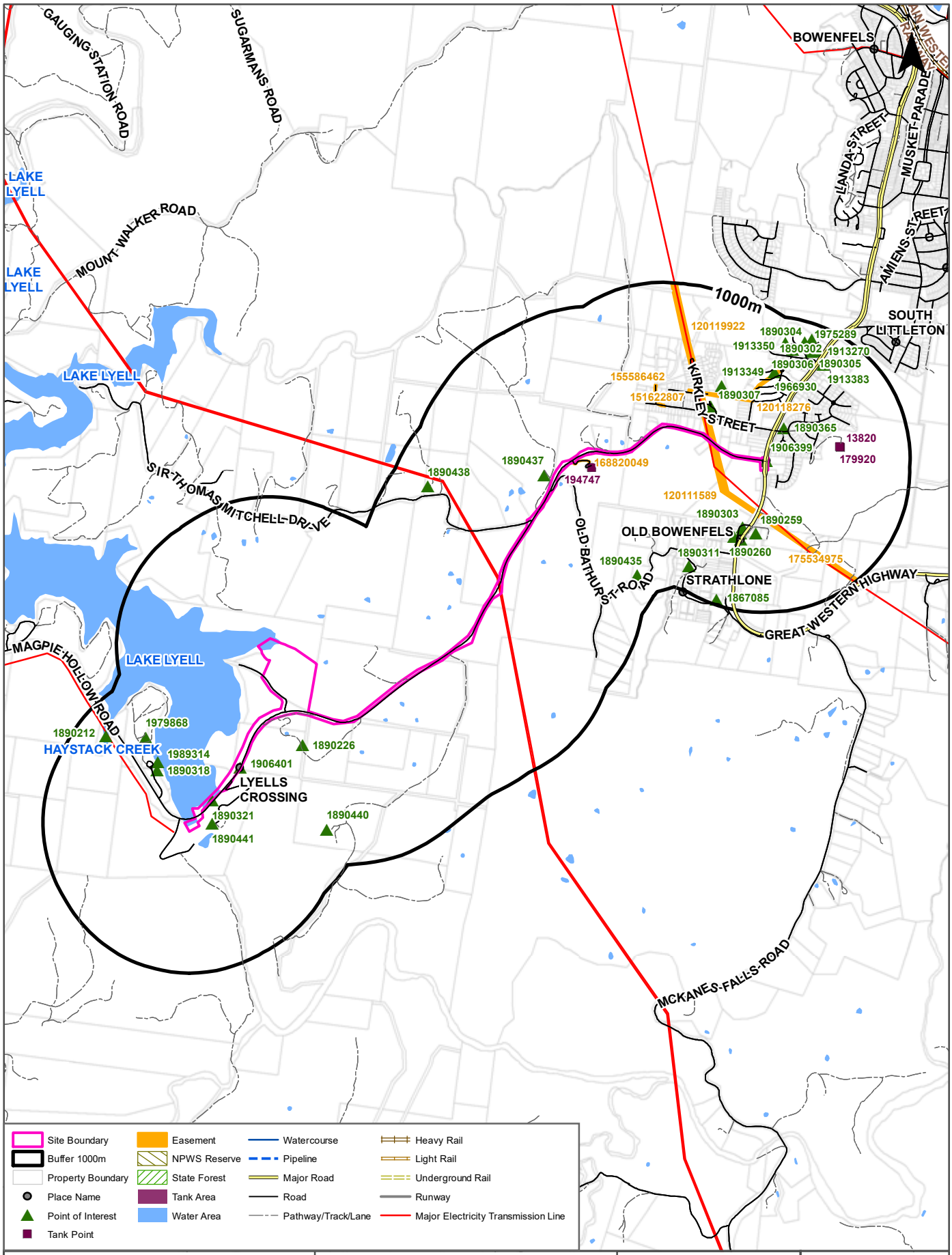
South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Scale: 0 200 400 800 1,200 1,600 Metres	Data Sources: Australia 1:63360 Produced by Australian Section Imperial General Staff	Coordinate System: GDA 1994 MGA Zone 56	Date: 03 July 2025

Topographic Features

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Topographic Features

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1890321	Dam Wall	LYELL DAM	0m	On-site
1906401	Rural Place	LYELLS CROSSING	0m	On-site
1906399	Suburb	SOUTH BOWENFELS	0m	On-site
1890437	Homestead	MAGPIE HOLLOW	62m	North East
1890441	Pumping Station	LYELL DAM VALVE HOUSE	77m	South West
1890307	Retirement Village	KIRKLEY GARDENS	197m	North East
1890226	Homestead	LILYVALE	209m	South West
1890365	Park	Park	235m	North East
1913349	Historic Site	LITHGOW ANTI AIRCRAFT GUN EMPLACEMENTS	359m	North East
1890318	Parking Area	Parking Area	368m	West
1989314	Launching Ramp	Launching Ramp	407m	West
1890303	Firestation - Bush	SOUTH BOWENFELS RFB	417m	North East
1890259	Cemetery	BOWENFELS OLD PRESBYTERIAN CEMETERY	446m	North East
1890436	Park	COLIN MCCARRY MEMORIAL PLAY CENTRE	465m	North East
1906398	Urban Place	OLD BOWENFELS	505m	North East
1890260	Place Of Worship	BOWENFELS PRESBYTERIAN CHURCH	506m	North East
1979868	Camping Ground	LAKE LYELL RECREATION PARK	601m	West
1966930	Retirement Village	TREEVIEW ESTATES	609m	North East
1890302	Place Of Worship	LITHGOW BIBLE CHURCH	720m	North East
1890440	Homestead	KARAWATHA	740m	South West
1890438	Homestead	MIDDLE CREEK	740m	North
1913383	Park	ROBINA PARK	763m	North East
1890306	Parking Area	Parking Area	782m	North East
1890212	Manmade Waterbody	HAYSTACK CREEK	797m	West
1890305	Parking Area	Parking Area	810m	North East
1890435	Homestead	BOWENVIEW	818m	North East
1913350	Nursing Home	THREE TREE LODGE	824m	North East
1913270	Helipad	Helipad	827m	North East
1890311	Park	BLUNDER STREET RESERVE	828m	East
1975289	Integrated Health Service	LITHGOW HOSPITAL	857m	North East
1890304	General Hospital	LITHGOW COMMUNITY PRIVATE HOSPITAL	893m	North East
1867085	Cemetery	BOWENFELS CATHOLIC CEMETERY	963m	East

Topographic Data Source: © Land and Property Information (2015)
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Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
194747	Water	Operational		01/05/2020	92m	North East
179920	Water	Operational		22/07/2005	509m	North East
13820	Water	Feature on Previous LPI Tank Area Supply		22/07/2005	515m	North East

Tanks Data Source: © Land and Property Information (2015)
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Major Easements

What Major Easements exist within the dataset buffer?
Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120111589	Primary	Undefined		0m	North East
120119922	Primary	Undefined		0m	North East
168820049	Primary	Right of way	6m, 7m and VAR	0m	North East
155586462	Primary	Right of way	15 metres	123m	North East
151622807	Primary	Right of way		249m	North East
120118276	Primary	Undefined		279m	North East
175534975	Primary	Electricity	45.72m	575m	East

Easements Data Source: © Land and Property Information (2015)
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State Forest

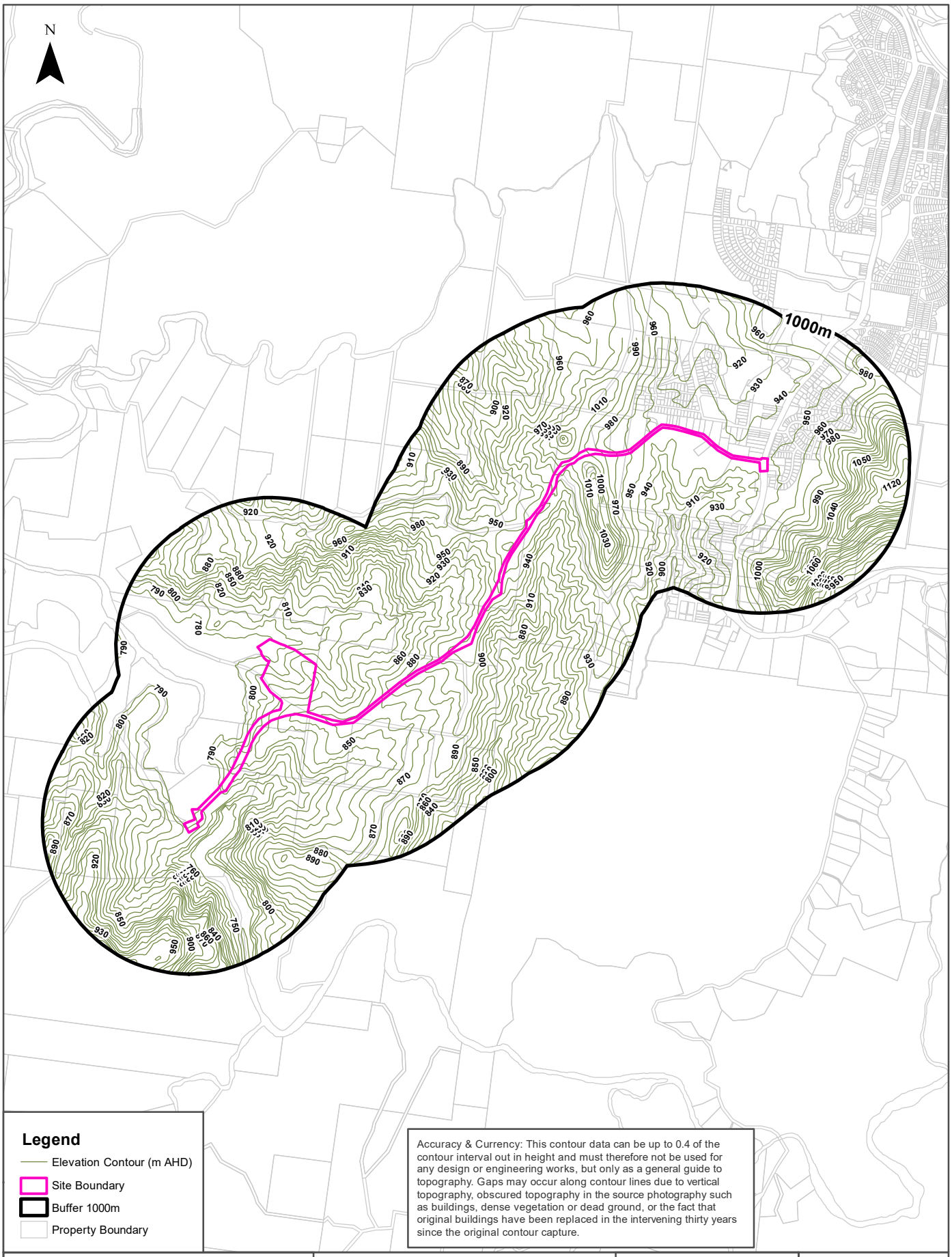
What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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Elevation Contours (m AHD)

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Hydrogeology & Groundwater

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Fractured or fissured, extensive aquifers of low to moderate productivity	0m	On-site

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024

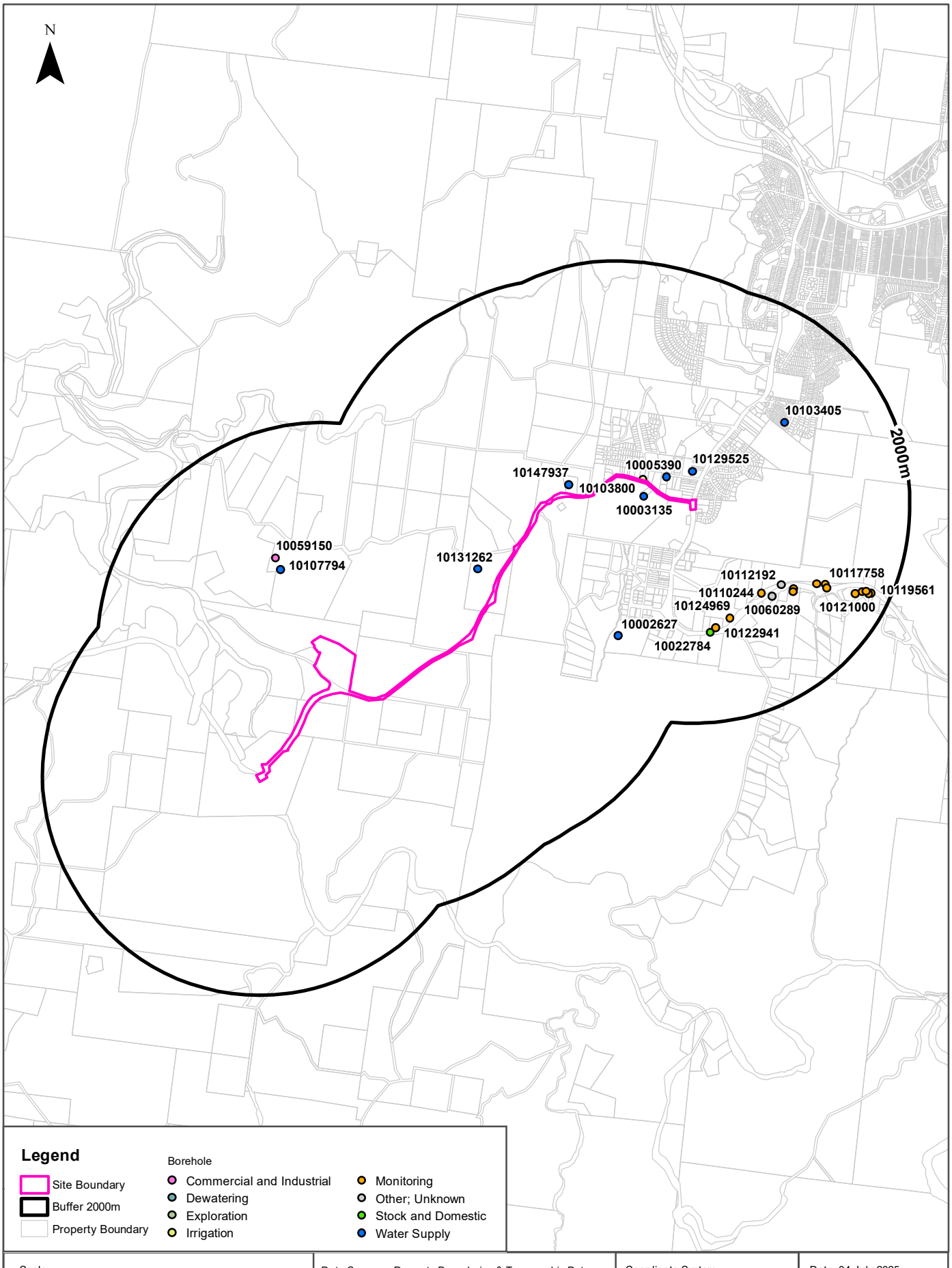
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

Prohibition Area No.	Prohibition	Distance	Direction
N/A	No records in buffer		

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Hydrogeology & Groundwater

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Groundwater Boreholes

Boreholes within the dataset buffer:

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10103800	GW053934	Irrigation	Unknown	01/06/1981	53.40		AHD				6m	North East
10147937	GW045761	Water Supply	Unknown	01/03/1977	51.80		AHD	Fresh			80m	North East
10003135	GW115854	Water Supply	Functioning	08/05/2018	150.00		AHD				107m	North East
10005390	GW115819	Water Supply	Functioning	11/05/2018	120.00		AHD				150m	North East
10131262	GW072313	Water Supply	Unknown	11/07/1994	30.00		AHD	Fair			197m	North East
10129525	GW071207	Water Supply	Unknown	01/11/1992	25.00	940.00	AHD				263m	North East
10107794	GW115269	Water Supply	Functioning	19/01/2013	180.00		AHD				727m	North West
10059150	GW109204	Commercial and Industrial	Unknown	12/08/2008	3.00		AHD				840m	North West
10110244	GW115452	Monitoring	Functional	18/07/2012	11.50		AHD				999m	East
10124969	GW111961	Monitoring	Functional	13/07/2012	13.84		AHD				1070m	East
10112192	GW115451	Unknown	Unknown				AHD				1071m	East
10060289	GW105910	Unknown	Unknown	12/05/2005			AHD				1082m	East
10103405	GW052606	Water Supply	Unknown	01/10/1980	39.60		AHD	Good			1102m	North East
10122941	GW111924	Monitoring	Functioning	05/07/2012	16.30		AHD				1125m	East
10022784	GW070637	Stock and Domestic	Functioning	01/01/1993	25.00	947.00	AHD		0.250	6.00	1161m	East
10126212	GW111962	Monitoring	Functional	18/07/2012	6.16		AHD				1180m	East
10128038	GW111963	Monitoring	Functional	18/07/2012	6.00		AHD				1196m	East
10002627	GW044385	Water Supply	Unknown		3.70		AHD	Good			1197m	East
10116084	GW115450	Monitoring	Functional	01/08/2012	10.00		AHD				1331m	East
10117758	GW115227	Monitoring	Functional	03/08/2012	14.00		AHD				1407m	East
10121325	GW111542	Monitoring	Functional	09/06/2011	12.00		AHD				1430m	East
10133579	GW112681	Monitoring	Functional	13/07/2012	8.00		AHD				1688m	East
10119560	GW112677	Monitoring	Functional	27/07/2012	12.70		AHD				1739m	East
10122942	GW112678	Monitoring	Functional	25/07/2012	14.61		AHD				1770m	East
10121000	GW112679	Monitoring	Functional	24/07/2012	13.60		AHD				1802m	East
10119561	GW112680	Monitoring	Functional	05/07/2012	14.15		AHD				1826m	East

Borehole Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Driller's Logs

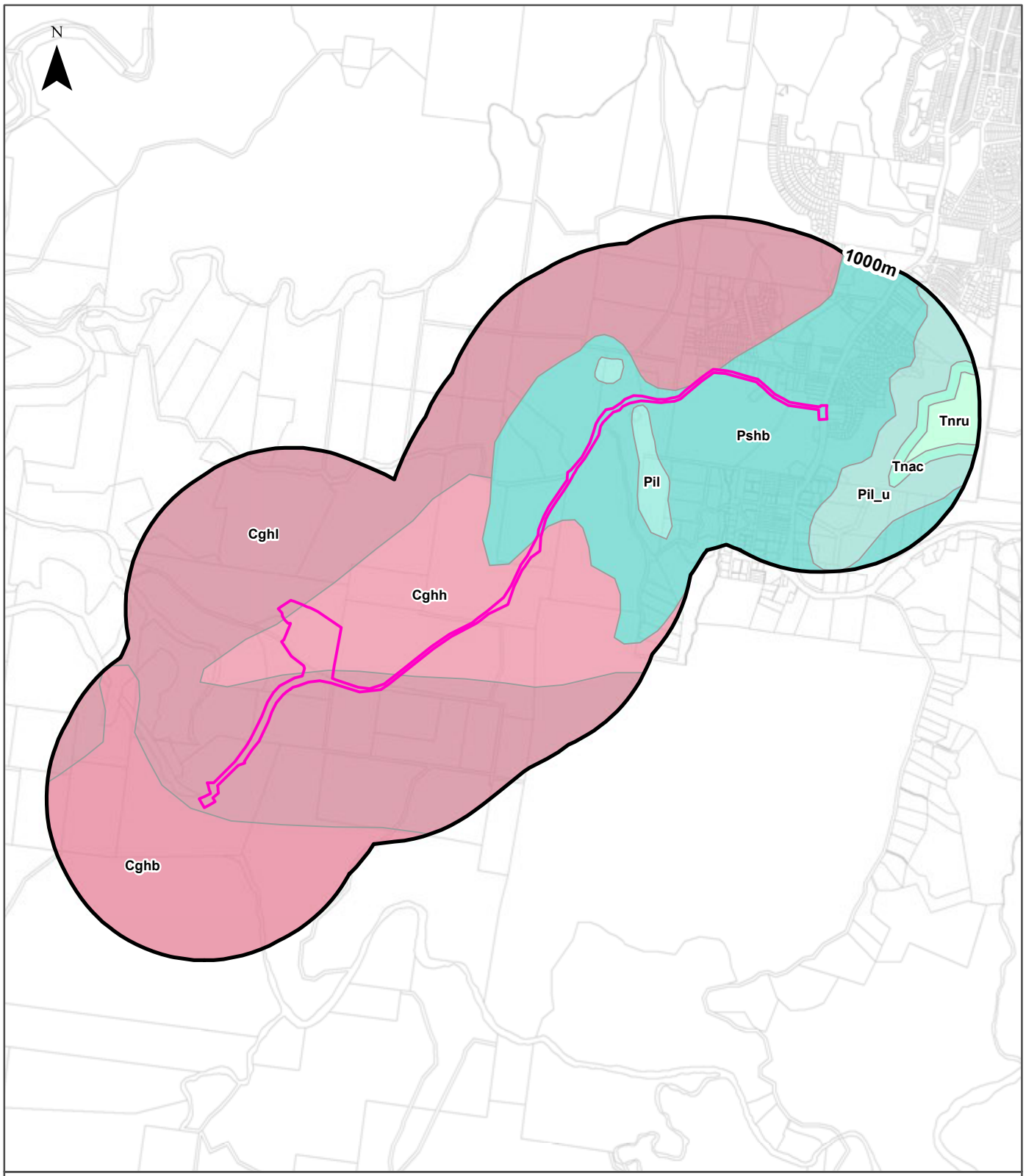
Drill log data relevant to the boreholes within the dataset buffer:

NGIS Bore ID	Drillers Log	Distance	Direction
10103800	0.00m-0.30m Topsoil 0.30m-39.60m Granite Soft Water Supply 39.60m-53.40m Granite	6m	North East
10147937	0.00m-0.61m Topsoil 0.61m-3.05m Clay 3.05m-16.77m Granite Decomposed 16.77m-51.83m Granite Water Supply	80m	North East
10131262	0.00m-0.50m 0.50m-3.00m 3.00m-17.00m Decomposed Granite 17.00m-30.00m	197m	North East
10124969	0.00m-1.70m SANDY CLAY RED ORANGE 1.70m-2.00m CLAYEY SILTY SAND RED ORANGE 2.00m-2.45m CLAYEY SILT,RED TO RED ORANGE 2.45m-5.93m SILTSTONE,ORANGE BROWN,GREY AND RED BROWN 5.93m-13.84m SILTSTONE,DARK GREY AND BLACK	1070m	East
10103405	0.00m-39.60m Sandstone Water Supply	1102m	North East
10122941	0.00m-0.10m SANDY SILT 0.10m-2.10m SILTY CLAY 2.10m-2.60m SANDY SILTY CLAY 2.60m-3.30m SILTY CLAY 3.30m-3.50m CLAYEY SILTY 3.50m-7.00m SILTSTONE 7.00m-11.70m SILTSTONE,DARK GREY 11.70m-11.90m CONGLOMERATE 11.90m-15.71m SILTSTONE,DARK GREY 15.71m-15.89m CONGLOMERATE 15.89m-16.30m SILTSTONE	1125m	East
10126212	0.00m-0.30m SILTY CLAY,BROWN 0.30m-1.30m CLAY SILTY SANDY,BROWN M/PLASTICITY 1.30m-2.70m SANDY CLAY,BROWN TO GREY 2.70m-3.05m CLAYEY SAND,GREY TO ORANGE 3.05m-3.15m SANDSTONE ORANGE 3.15m-6.16m SANDSTONE GREY TO PALE GREY	1180m	East
10128038	0.00m-0.30m SILTY CLAY 0.30m-0.70m SANDY CLAY,BROWN 0.70m-1.70m SANDY CLAY,ORANGE BROWN 1.70m-2.00m SANDY CLAY RED AND GREY,SAND 2.00m-5.00m SANDSTONE AND CONGLOMERATE,RED BROWN AND ORANGE BROWN 5.00m-6.00m GRANITE,GREY,ORANGE BROWN,BLACK	1196m	East
10002627	0.00m-0.91m Loam Sandy 0.91m-3.66m Sandstone Water Supply	1197m	East
10121325	0.00m-0.77m SILTY SAND BROWN,FINE-MED SAND 0.77m-3.40m SANDSTONE,ORANGE-BROWN,FINE SAND 3.40m-4.70m CONGLOMERATE,ORANGE GREY,MED-COARSE 4.70m-5.00m CONGLOMERATE,GREY,MED.COARSE,SAND MATRIX 5.00m-10.60m CONGLOMERATE GREY-DARK FINE-MED GRAVELS 10.60m-11.30m SANDSTONE PALE,GREYM,COARSE GRAINED 11.30m-12.00m CONGLOMERATE,GREY-BLACK,FINE-XCOURSE GRAVEL	1430m	East

Drill Log Data Source: Bureau of Meteorology; Water NSW. Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Geology

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Legend

Linear Geological Structures and Boundaries

Site Boundary	Trendline	Marker Bed	Miscellaneous Boundary
Report Buffer	Fold Axis	Faulted Boundary	Water/Coastline Boundary
Property Boundary	Geological Boundary	Shear Zone or Schist Zone Boundary	State/Territory Border

Scale: 0 100 200 400 600 800 1,000 1,200 1,400 1,600 1,800 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Geology

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Geological Units

Geological units within the dataset buffer:

Code	Unit Name	Description	Stratigraphy	Age Range	Dominant Lithology	Dist	Dir
Cghh	Hartley Granodiorite	Grey, massive, fine- to medium-grained composed of plagioclase, quartz, K-feldspar, biotite, and hornblende. Small amounts of of opaque minerals and epidote.	Bathurst Supersuite/Hartley Suite//Hartley Granodiorite//	Serpukhovian (base) to Serpukhovian (top)	Granodiorite	0m	On-site
Cghl	Lett Granite	Massive, porphyritic biotite granite with large megacrysts of K-feldspar and lesser plagioclase up to 25mm. Locally contains large numbers of basic xenoliths.	Bathurst Supersuite/Hartley Suite//Lett Granite//	Visean (base) to Moscovian (top)	Granite	0m	On-site
Pshb	Berry Siltstone	Mid to dark grey siltstone, grades up sequence to very fine-grained sandstone, highly fossiliferous, sporadic dropped pebbles.	/Shoalhaven Group//Berry Siltstone//	Roadian (base) to Wordian (top)	Siltstone	0m	On-site
Pil	Illawarra Coal Measures	Shale, quartz-lithic sandstone, conglomerate, chert, sporadically carbonaceous mudstone, coal and torbanite seams.	/Illawarra Coal Measures////	Lopingian (base) to Lopingian (top)	Shale	26m	North East
Cghb	Blaxland Granite	Pink to grey, massive, leucocratic granite (aplitic in places) and biotite granite with scattered megacrysts of K-feldspar up to 20mm.	Bathurst Supersuite/Hartley Suite//Blaxland Granite//	Carboniferous (Mississippian) (base) to Carboniferous (Pennsylvanian) (top)	Granite	29m	South West
Pil_u	Illawarra Coal Measures - Cullen Bullen Subgroup, Charbon Subgroup & Wallerawang Subgroup	Mudstone, siltstone, claystone, sandstone, conlomerate, coal, torbanite, siliceous claystone. Informal grouping used in Western Coalfields mapping.	/Illawarra Coal Measures/Illawarra Coal Measures - Cullen Bullen Subgroup, Charbon Subgroup & Wallerawang Subgroup///	Lopingian (base) to Lopingian (top)	Mudstone	337m	North East
Tnac	Caley Formation	Claystone, shale, fine- to coarse-grained, quartz-lithic sandstone with common cross-bedding.	/Narrabeen Group//Caley Formation//	Lopingian (base) to Early Triassic (top)	Mudstone	510m	North East
Tnru	Burra-Moko Head Sandstone	Quartzose to quartz-lithic sandstone with common cross-bedding. Minor green to grey claystone horizons.	/Narrabeen Group/Grose Subgroup/Burra-Moko Head Sandstone//	Early Triassic (base) to Triassic (top)	Sandstone	580m	North East

Linear Geological Structures

Fault and shear or schist zone boundaries within the dataset buffer:

Map ID	Boundary Type	Feature Description	Fault Dip Angle	Fault Dip Direction	Dist	Dir
NA	No records in buffer					

Trendlines within the dataset buffer:

Map ID	Feature Description	Observation Method	Structure Name	Dist	Dir
NA	No records in buffer				

Fold axes within the dataset buffer:

Map ID	Feature Description	Observation Method	Structure Name	Dist	Dir
NA	No records in buffer				

Marker beds within the dataset buffer:

Map ID	Feature Description	Rock Unit Description	Dist	Dir
NA	No records in buffer			

Geological Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development
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Naturally Occurring Asbestos Potential

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

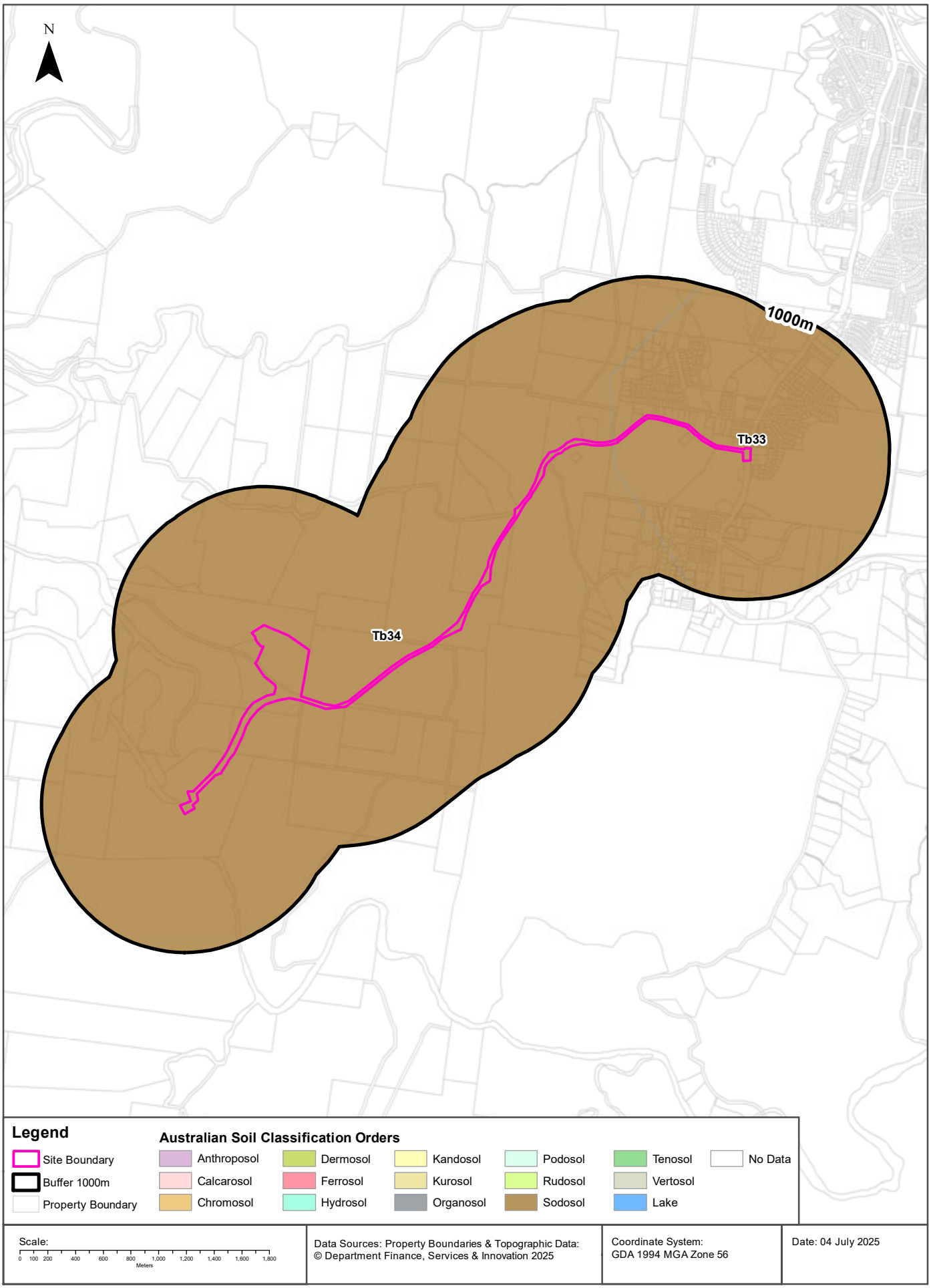
Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Naturally Occurring Asbestos Potential Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Atlas of Australian Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Atlas of Australian Soils

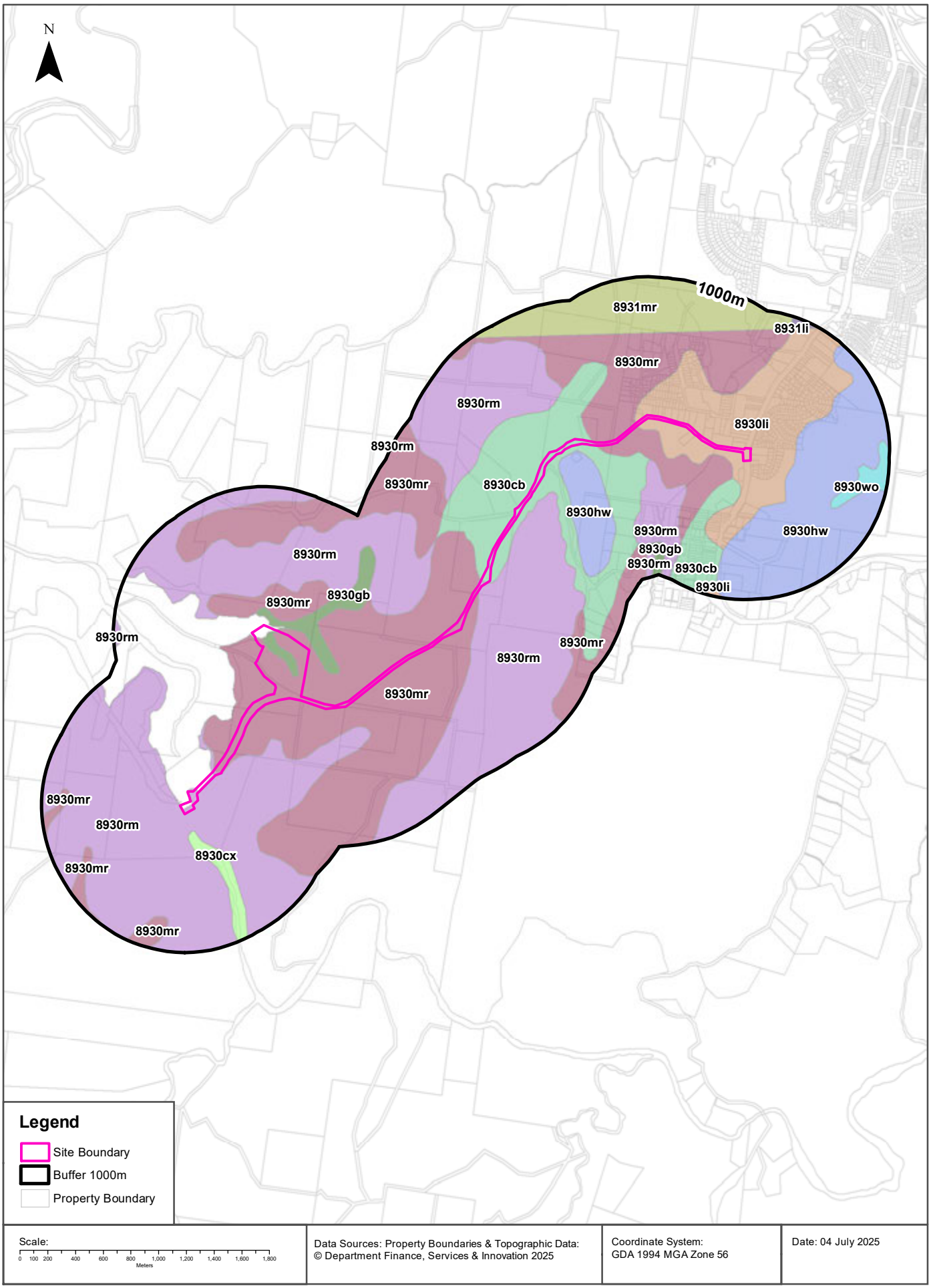
Soil mapping units and Australian Soil Classification orders within the dataset buffer:

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Tb34	Sodosol	Ridge and slope country: (i) narrow undulating to hilly ridge crests of hard acidic yellow mottled soils (Dy3.41) with yellow leached earths, such as (Gn2.74) and (Gn2.34), and other (D) soils such as (Dr2.61); (ii) steep to rugged side slopes of siliceous sands (Uc1.21) and leached sands (Uc2.2) with tors and areas of soils as for (i); and (iii) some hilly to steep hilly areas with (Dy3.21), (Dr2.21), (Um4.2), and (Dy3.41) soils. Data are limited.	0m	On-site
Tb33	Sodosol	Dissected plateau: chief soils on undulating ridge crests are hard acidic yellow mottled soils (Dy3.41). Associated are: moderate to steep side slopes of various earths (Gn2), such as (Gn2.14), (Gn2.2), and (Gn2.9); some hilly areas of (Dr2.21), (Dy2.21), (Dy3.41), (Um4.1), and (Um4.2) soils with rock outcrops; some talus slopes of (Uc1.2) and (Uc2.2) soils; and some small flat areas of units Tb32 and Tb39.	0m	On-site

Atlas of Australian Soils Data Source: CSIRO
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Soil Landscapes of Central and Eastern NSW

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Soil Landscapes of Central and Eastern NSW

Soil Landscapes of Central and Eastern NSW within the dataset buffer:

Soil Code	Name	Distance	Direction
8930mr	Marrangaroo	0m	On-site
8930cb	Cullen Bullen	0m	On-site
8930gb	Ganbenang	0m	On-site
8930li	Lithgow	0m	On-site
8930rm	Round Mount	0m	On-site
8930hw	Hassans Walls	34m	North East
8930cx	Coxs River	137m	South West
8931mr	Marrangaroo	592m	North East
8930wo	Wollangambe	648m	East
8931li	Lithgow	906m	North East

Soil Landscapes of Central and Eastern NSW: NSW Department of Planning, Industry and Environment
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Acid Sulfate Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	EPI Name
N/A		

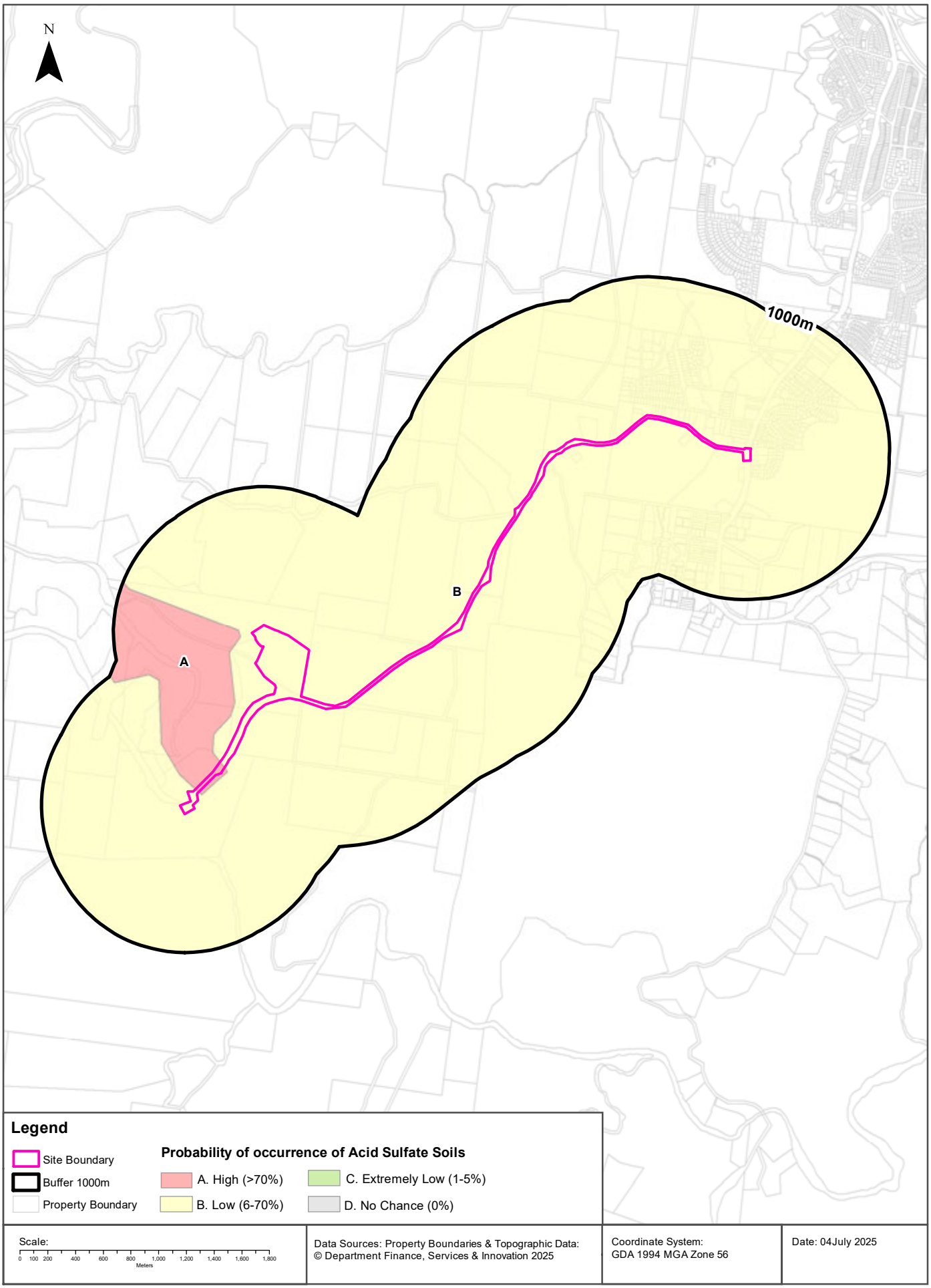
If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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Atlas of Australian Acid Sulfate Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Acid Sulfate Soils

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance	Direction
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site
A	High Probability of occurrence. >70% chance of occurrence.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO
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Dryland Salinity

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

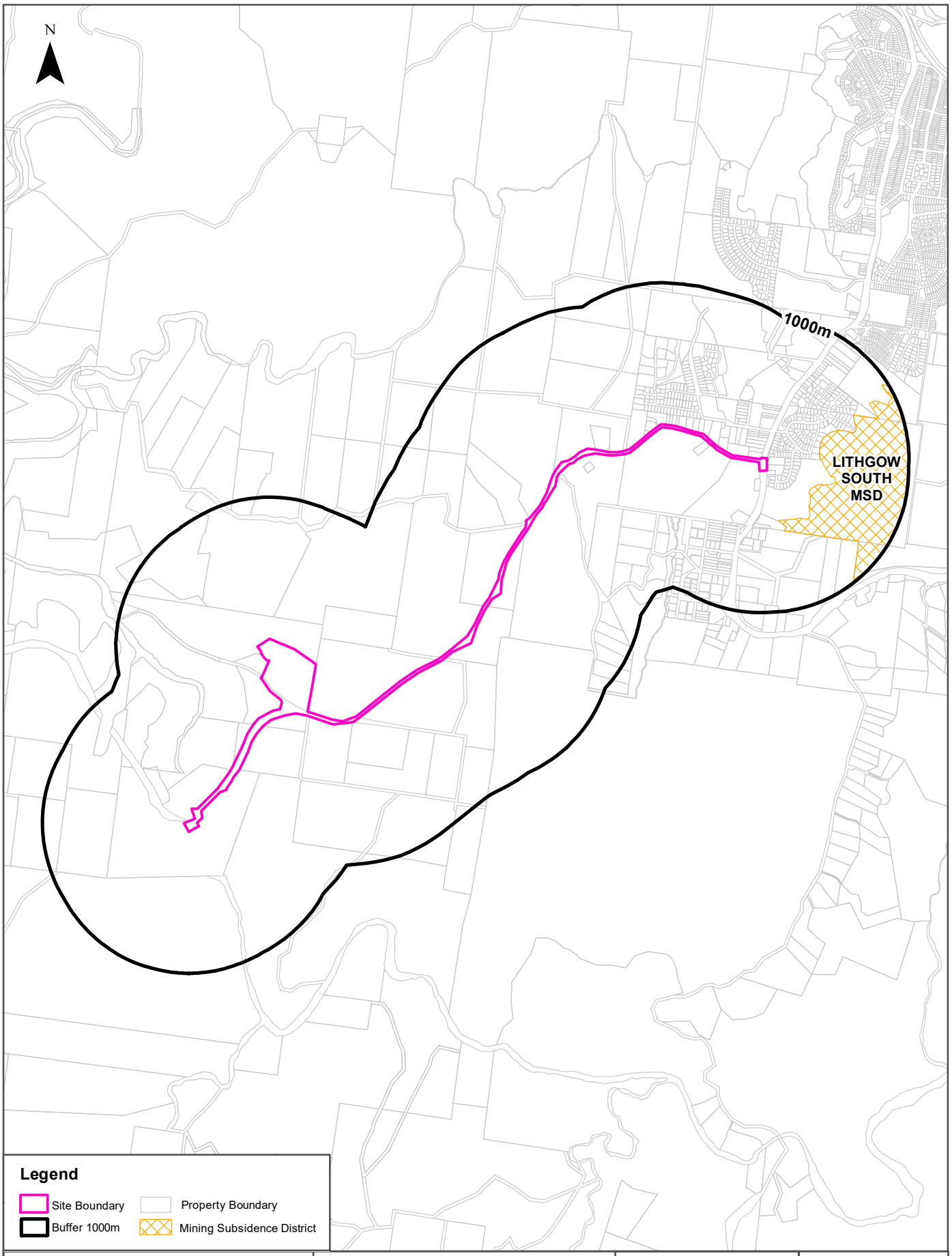
What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A		

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Mining Subsidence Districts

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Mining

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Mining Subsidence Districts

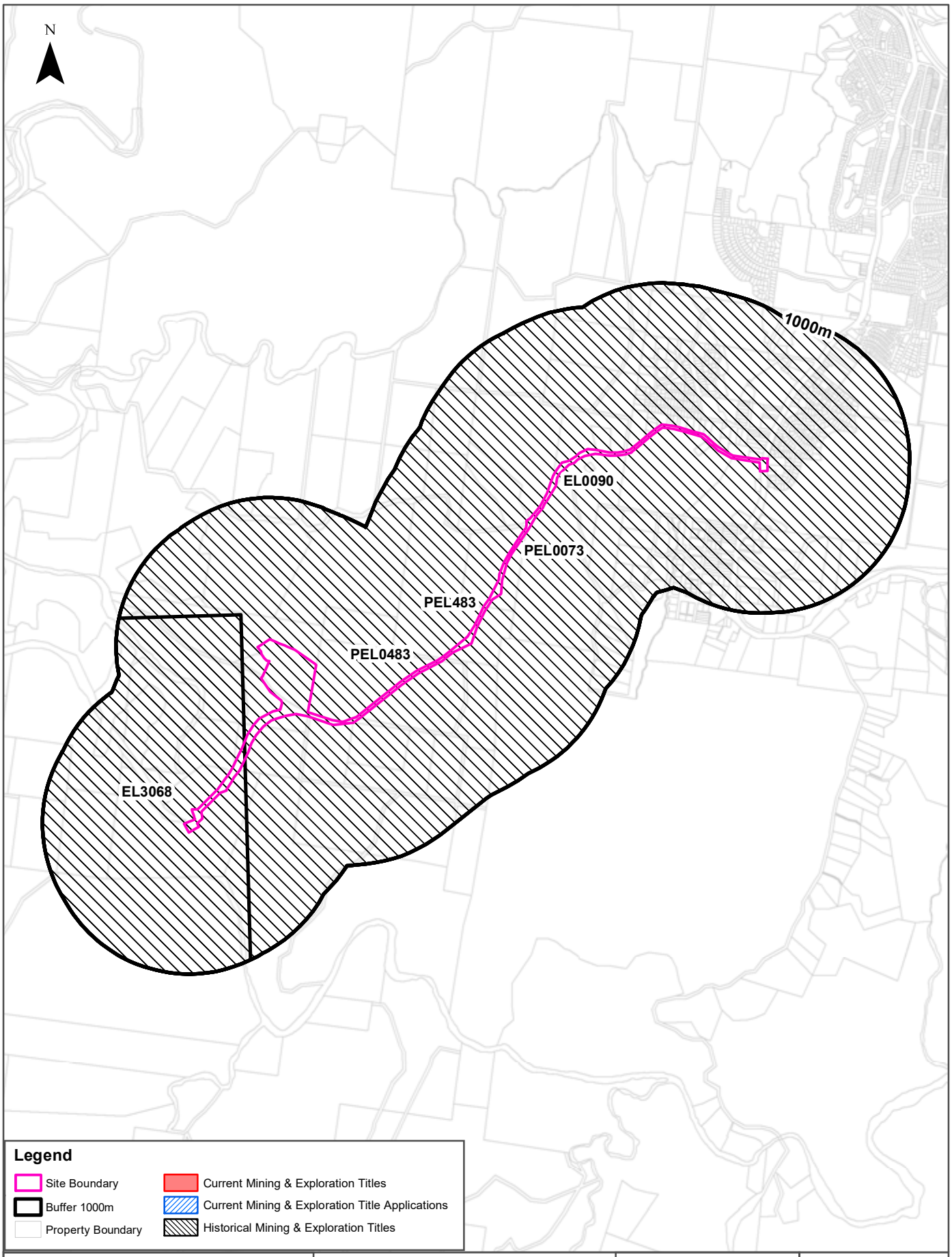
Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
LITHGOW SOUTH	334m	North East

Mining Subsidence District Data Source: © Land and Property Information (2016)
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Mining & Exploration Titles

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Mining

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer								

Current Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL483	EAST COAST POWER PTY LTD	20100506	30000101	MINERALS		0m	On-site
PEL0073	WOOD, A.J.			PETROLEUM	Petroleum	0m	On-site
EL3068	BRICK & STONE HOLDINGS LIMITED (IN VOLUNTARY LIQUIDATION)	19880201	19910201	MINERALS	Dimension Stone	0m	On-site
EL0090	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	19670201	19680201	MINERALS		0m	On-site
PEL0483	EAST COAST POWER PTY LTD	20100605	20110411	PETROLEUM	Petroleum	0m	On-site

Historical Mining & Exploration Titles Data Source: Statewide Seamless Geology v2.4, NSW Department of Primary Industries and Regional Development

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State Environmental Planning Policy

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

State Significant Precincts

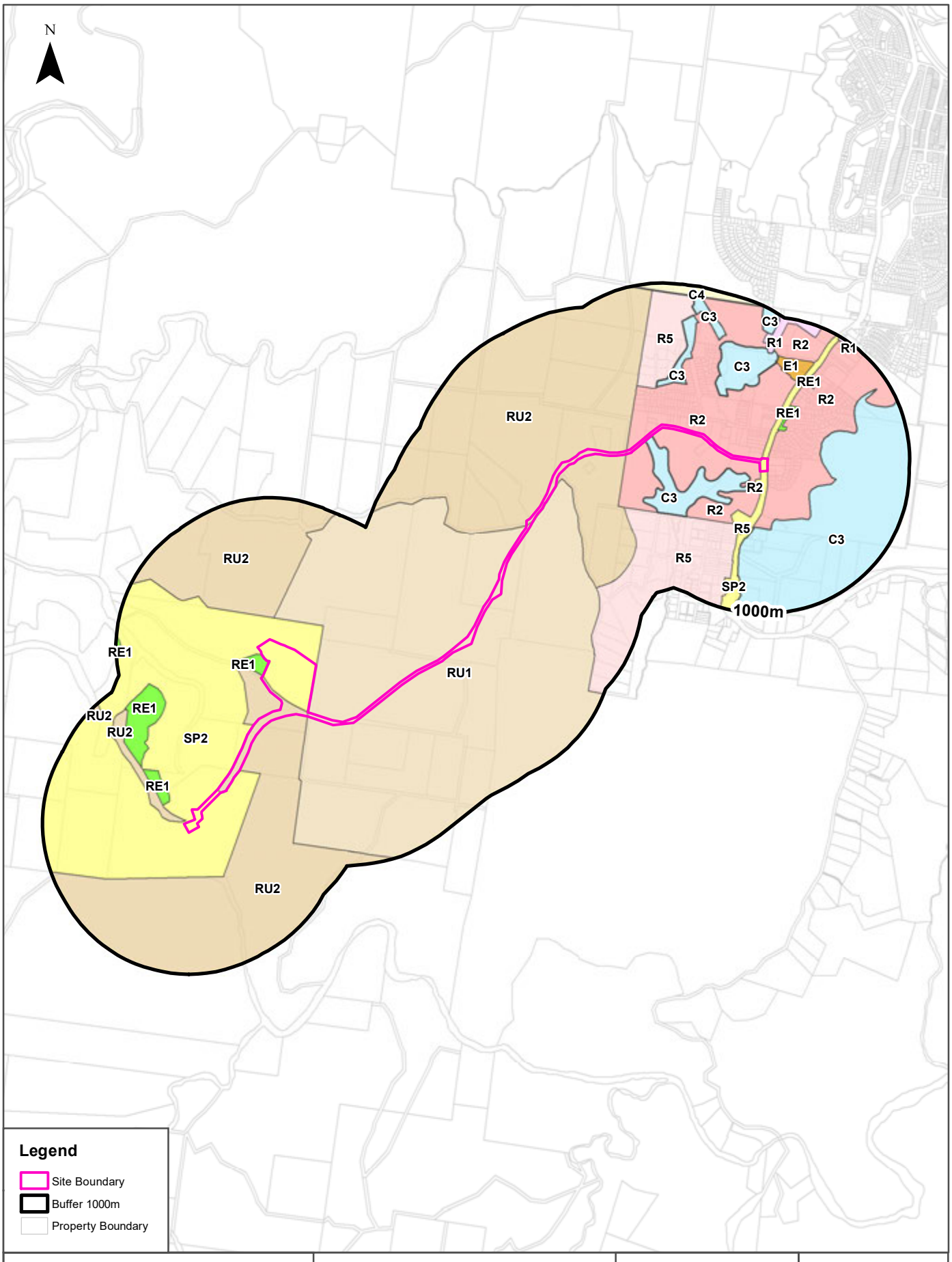
What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

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EPI Planning Zones

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Scale:	Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025 Planning: NSW Crown Copyright - Planning & Environment	Coordinate System: GDA 1994 MGA Zone 56	Date: 04 July 2025

Environmental Planning Instrument

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Land Zoning

What EPI Land Zones exist within the dataset buffer?

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RU1	Primary Production		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
SP2	Infrastructure	Electricity Generating Works	Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
SP2	Infrastructure	Roads and Traffic Facility	Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
RU2	Rural Landscape		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
R2	Low Density Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	North East
R2	Low Density Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	North East
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	West
RU2	Rural Landscape		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	18m	West

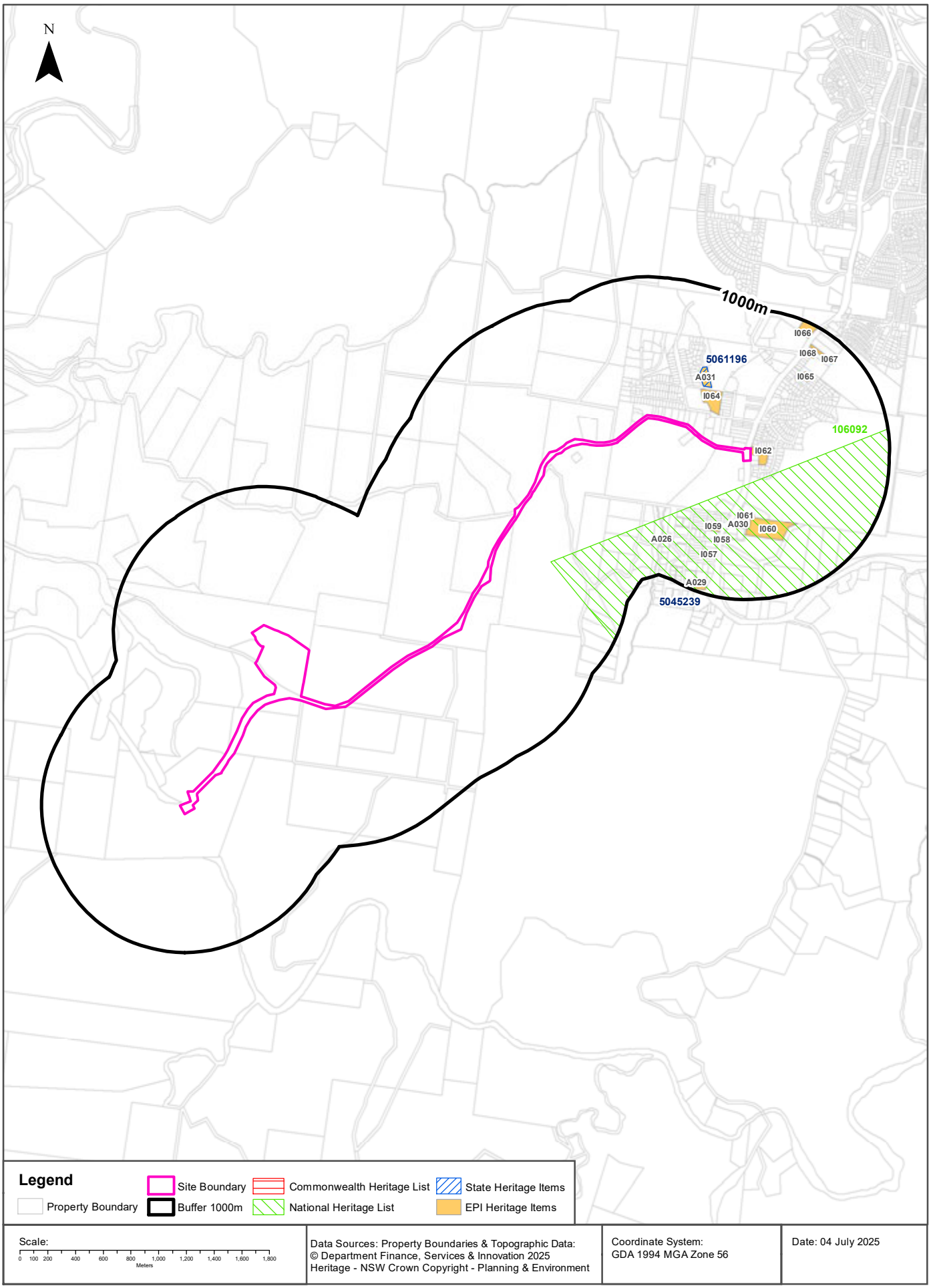
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	168m	South West
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	211m	North East
R5	Large Lot Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	259m	North East
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	269m	North East
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	299m	North East
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	331m	East
R5	Large Lot Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	367m	East
R5	Large Lot Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	394m	North East
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	467m	West
E1	Local Centre		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	583m	North East
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	587m	North East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	665m	North East
R2	Low Density Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	722m	North East
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	735m	North East
C3	Environmental Management		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	842m	North East
RU2	Rural Landscape		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	895m	West
C4	Environmental Living		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	928m	North East
RE1	Public Recreation		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	963m	West
R1	General Residential		Lithgow Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	967m	North East

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Heritage Items

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Heritage

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?
Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
106092	Hartley Valley	Great Western Hwy, Hartley NSW	1/14/006/0063	Historic	Nomination now ineligible for PPAL		151m	East

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5061196	Lithgow Heavy Anti Aircraft Gun Stations and Dummy Station	Kirkley Street (via) Bowenfels, off Chifley Road Scenic Hill, off Hassans Walls Road Lithgow	LITHGOW CITY	05/08/2011	01862	2344, 2345, 2346	299m	North East
5045239	Bowenfels National School Site	70 Mudgee Street Old Bowenfels	LITHGOW CITY	02/04/1999	00761	1826	995m	East

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
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Environmental Planning Instrument - Heritage

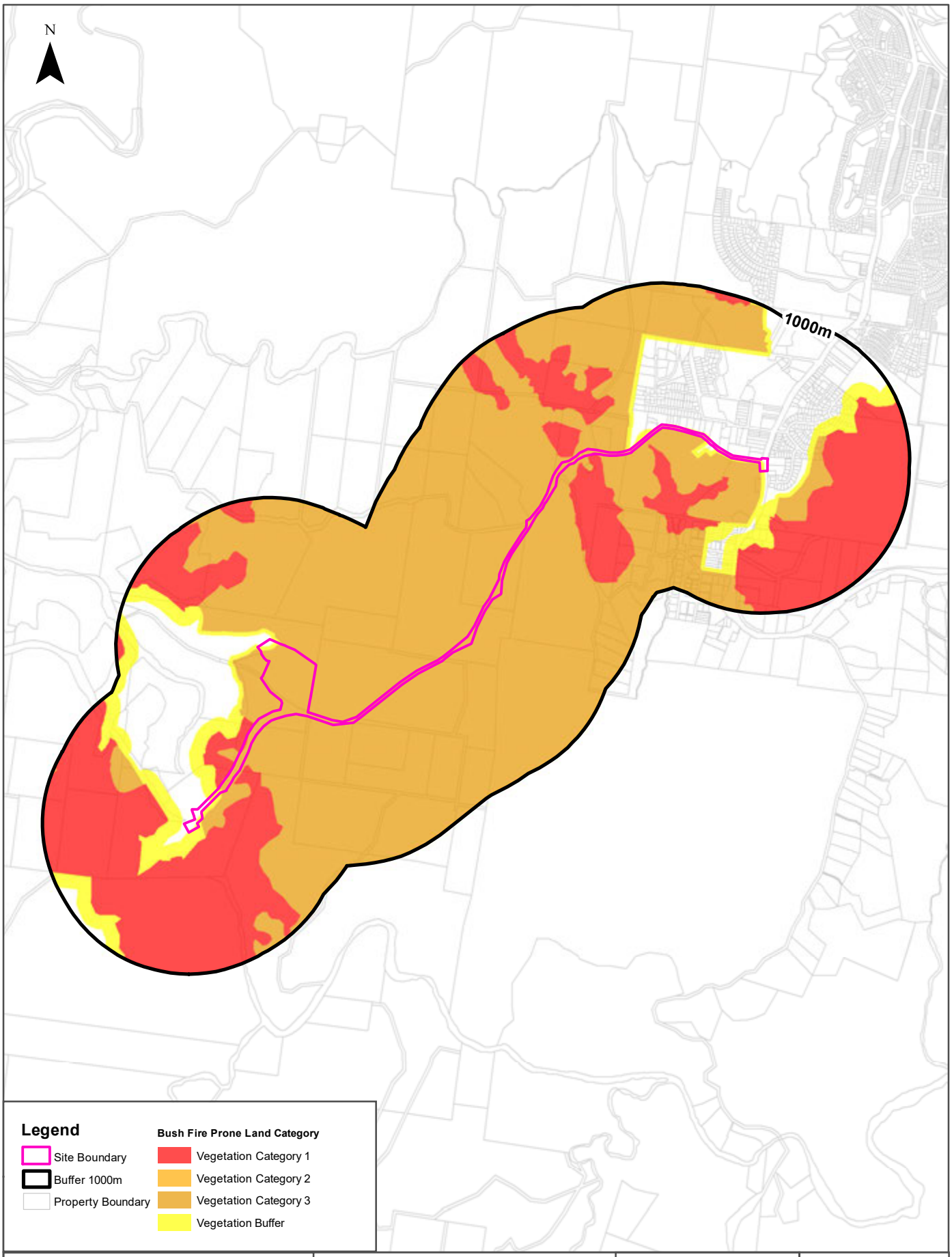
What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I062	Royal Hotel	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	0m	North East
I064	Airdrie	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	181m	North East
A031	Gun Emplacements	Item - Archaeological	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	299m	North East
I061	Caldwells house	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	371m	North East
A030	Bowenfels Presbyterian Cemetery	Item - Archaeological	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	401m	North East
I060	Cottage and outbuildings	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	405m	East
I059	Presbyterian Church & Sessions Hall Sth Bowenfels	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	481m	North East
I058	Parsonage Farm	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	521m	North East
I065	Fairview	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	628m	North East
I057	Somerset House	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	690m	East
A026	Bowens Creek Bridge Abutments	Item - Archaeological	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	750m	North East
I068	Kanangra	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	789m	North East
I067	Cottage (former Cooerwull Academy)	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	840m	North East
I066	Sweet Briar	Item - General	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	898m	North East
A029	Old Catholic Cemetery	Item - Archaeological	Local	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	917m	East
I054	National School Group	Item - General	State	Lithgow Local Environmental Plan 2014	19/12/2014	19/12/2014	13/11/2015	995m	East

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Natural Hazards - Bush Fire Prone Land

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Data Sources: Bush Fire Prone Land: © NSW Rural Fire Service 2025. Property Boundaries: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Natural Hazards

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Bush Fire Prone Land

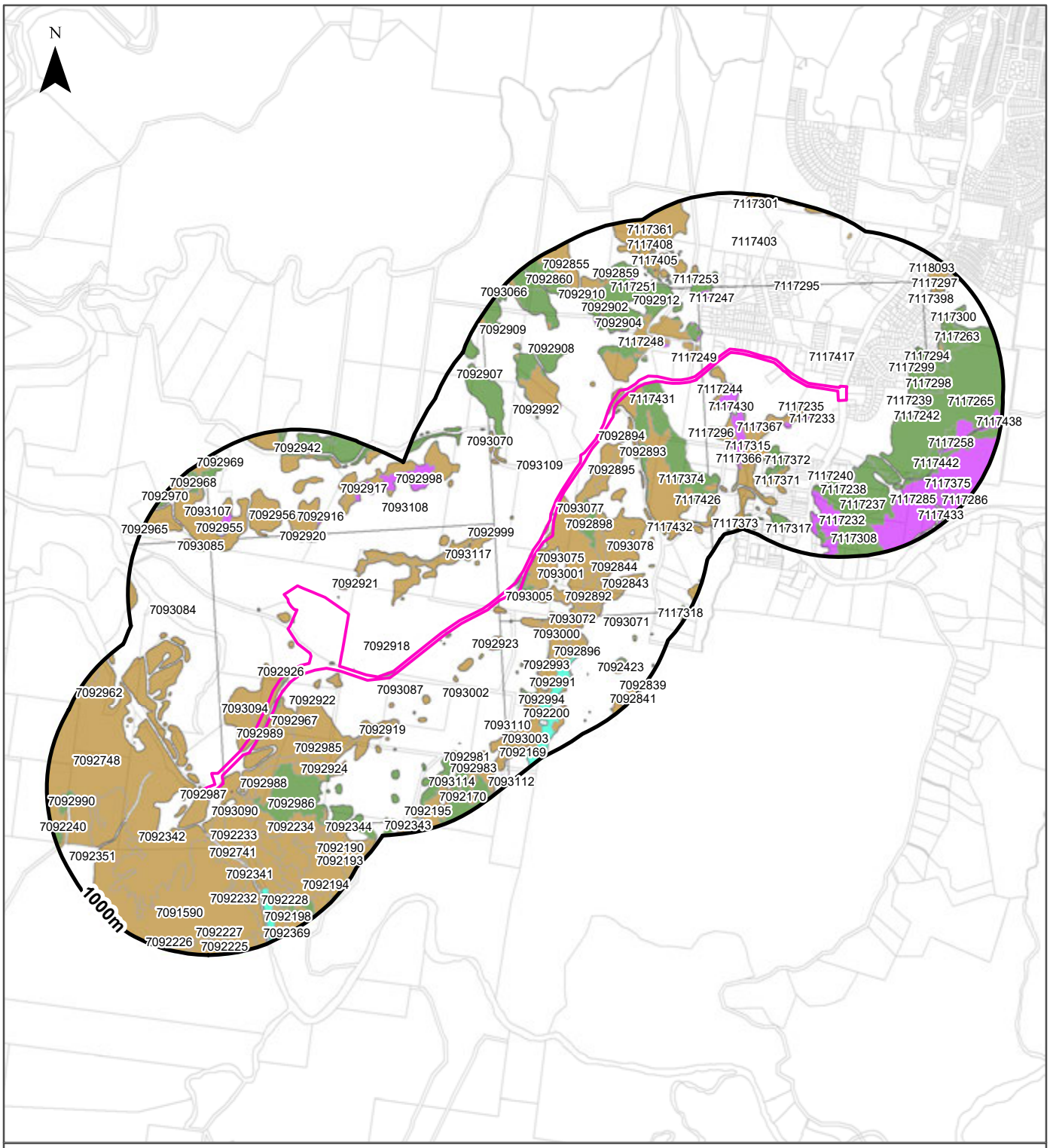
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Category 1	0m	On-site
Vegetation Category 3	0m	On-site
Vegetation Buffer	0m	On-site

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Vegetation & Ramsar Wetlands

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Scale: 0 100 200 400 600 800 1,000 1,200 1,400 1,600 1,800 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2025

Coordinate System: GDA 1994 MGA Zone 56

Date: 04 July 2025

Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7092924	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	0m	On-site
7092926	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	0m	On-site
7092967	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7092989	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7093001	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7093003	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	0m	On-site
7093005	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	0m	On-site
7093084	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093087	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7093109	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7117417	Not classified	(Not classified) Not classified	Not classified	0m	On-site
7092748	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	0m	South West
7092987	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	0m	South West
7117374	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	0m	North East
7092741	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	10m	South West
7117249	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Grassy Box Woodland	Southern Tableland Grassy Woodlands	12m	North East
7117296	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	15m	North East
7092923	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	17m	South East
7093094	Not classified	(Not classified) Not classified	Not classified	40m	West
7092912	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	45m	North
7092921	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	47m	North West
7093075	Not classified	(Not classified) Not classified	Not classified	50m	North East
7092895	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	53m	North East
7093000	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	68m	East
7093095	Not classified	(Not classified) Not classified	Not classified	70m	South West
7093090	Not classified	(Not classified) Not classified	Not classified	75m	South West
7117431	Not classified	(Not classified) Not classified	Not classified	90m	North East
7092894	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	91m	North East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7117246	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	104m	North East
7093110	Not classified	(Not classified) Not classified	Not classified	109m	East
7117235	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	112m	North East
7117248	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	115m	North East
7117315	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	115m	North East
7117366	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	118m	North East
7093077	Not classified	(Not classified) Not classified	Not classified	125m	North East
7092233	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	126m	South West
7092922	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	129m	South West
7092898	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	132m	North East
7117247	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	132m	North East
7117244	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	136m	North East
7092988	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	138m	South West
7092918	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	139m	West
7117241	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	151m	North East
7117233	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	172m	North East
7093004	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	173m	East
7092896	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	185m	East
7092986	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	197m	South West
7092234	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	198m	South West
7093098	Not classified	(Not classified) Not classified	Not classified	205m	South West
7092341	Not classified	(Not classified) Not classified	Not classified	216m	South West
7092985	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	223m	South West
7093111	Not classified	(Not classified) Not classified	Not classified	223m	East
7092893	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	227m	North East
7092900	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	232m	North East
7117369	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	240m	North East
7091590	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	242m	South West
7117430	Not classified	(Not classified) Not classified	Not classified	244m	North East
7092999	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	255m	North East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7093006	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	258m	North East
7092919	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	269m	South West
7092920	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	283m	North West
7092897	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	292m	East
7117370	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	298m	North East
7093108	Not classified	(Not classified) Not classified	Not classified	300m	North
7092190	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	317m	South West
7093082	Not classified	(Not classified) Not classified	Not classified	317m	North East
7092901	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	321m	North East
7117242	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	331m	North East
7117265	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	331m	North East
7093117	Not classified	(Not classified) Not classified	Not classified	332m	North
7093072	Not classified	(Not classified) Not classified	Not classified	336m	East
7093073	Not classified	(Not classified) Not classified	Not classified	344m	East
7092351	Not classified	(Not classified) Not classified	Not classified	345m	South West
7092342	Not classified	(Not classified) Not classified	Not classified	347m	South West
7117367	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	352m	North East
7092984	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	355m	South West
7093002	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	356m	South East
7092997	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	357m	North
7092992	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	359m	North East
7092904	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	363m	North East
7093121	Not classified	(Not classified) Not classified	Not classified	365m	North
7117237	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	376m	East
7092844	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	381m	East
7117298	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	394m	North East
7092845	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	395m	East
7093080	Not classified	(Not classified) Not classified	Not classified	395m	North East
7117403	Not classified	(Not classified) Not classified	Not classified	397m	North East
7117239	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	400m	North East
7092995	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	403m	East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7092892	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	406m	East
7092916	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	409m	North West
7117292	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	411m	North East
7092925	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	423m	North West
7093079	Not classified	(Not classified) Not classified	Not classified	425m	North East
7117372	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	425m	North East
7117238	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Newnes Plateau Peppermint-Ash Tall Forest	Sydney Montane Dry Sclerophyll Forests	426m	East
7117253	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	431m	North East
7117299	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	431m	North East
7092956	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	434m	North West
7117293	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	434m	North East
7092899	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	437m	North East
7093071	Not classified	(Not classified) Not classified	Not classified	438m	East
7092996	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	439m	South East
7092902	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	463m	North East
7117231	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	463m	North East
7093078	Not classified	(Not classified) Not classified	Not classified	467m	North East
7117295	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	467m	North East
7117240	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	472m	East
7092993	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	475m	East
7117368	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	478m	North East
7093081	Not classified	(Not classified) Not classified	Not classified	492m	North East
7092908	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	494m	North
7117361	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	495m	North East
7117379	Not classified	(Not classified) Not classified	Not classified	498m	North East
7092232	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	507m	South West
7117297	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Grassy Box Woodland	Southern Tableland Grassy Woodlands	509m	North East
7092843	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	514m	East
7092200	Forested Wetlands	(Forested Wetlands) Central and Southern Tableland River Oak Forest	Eastern Riverine Forests	517m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7117371	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	518m	North East
7117422	Not classified	(Not classified) Not classified	Not classified	528m	North East
7093070	Not classified	(Not classified) Not classified	Not classified	533m	North
7092955	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	536m	North West
7093088	Not classified	(Not classified) Not classified	Not classified	536m	North West
7093124	Not classified	(Not classified) Not classified	Not classified	541m	North West
7117294	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	547m	North East
7092905	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	550m	North
7117398	Not classified	(Not classified) Not classified	Not classified	552m	North East
7092423	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	557m	East
7092837	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	562m	North East
7117245	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	567m	North East
7093085	Not classified	(Not classified) Not classified	Not classified	569m	West
7117251	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	577m	North East
7092859	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	583m	North East
7092991	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	585m	East
7117232	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	589m	East
7092910	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	595m	North East
7117410	Not classified	(Not classified) Not classified	Not classified	605m	North East
7092917	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	613m	North West
7117258	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	619m	East
7092981	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	631m	South
7092907	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	637m	North
7117300	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	637m	North East
7092855	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	642m	North
7117285	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	647m	East
7092994	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	648m	South East
7093107	Not classified	(Not classified) Not classified	Not classified	659m	North West
7117263	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	671m	North East
7117413	Not classified	(Not classified) Not classified	Not classified	673m	North East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7117432	Not classified	(Not classified) Not classified	Not classified	677m	North East
7117442	Not classified	(Not classified) Not classified	Not classified	681m	East
7092964	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	682m	West
7093123	Not classified	(Not classified) Not classified	Not classified	686m	South
7092983	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	690m	South
7092909	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	694m	North
7092195	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	697m	South
7117426	Not classified	(Not classified) Not classified	Not classified	699m	North East
7092169	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	703m	South East
7092969	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	706m	North West
7117429	Not classified	(Not classified) Not classified	Not classified	707m	East
7093114	Not classified	(Not classified) Not classified	Not classified	713m	South
7117405	Not classified	(Not classified) Not classified	Not classified	722m	North East
7092998	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Montane Wet Fern Forest	Southern Escarpment Wet Sclerophyll Forests	725m	North
7092913	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	726m	North
7092228	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	730m	South West
7117243	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	730m	East
7092860	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	738m	North
7117308	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	740m	East
7092222	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	741m	South West
7092980	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	754m	South East
7092344	Not classified	(Not classified) Not classified	Not classified	755m	South West
7092842	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	764m	East
7092194	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	765m	South West
7092230	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	777m	South West
7092979	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	779m	South East
7093126	Not classified	(Not classified) Not classified	Not classified	784m	South East
7117412	Not classified	(Not classified) Not classified	Not classified	788m	North East
7092365	Not classified	(Not classified) Not classified	Not classified	790m	South West
7093067	Not classified	(Not classified) Not classified	Not classified	791m	North
7117407	Not classified	(Not classified) Not classified	Not classified	799m	North East
7093089	Not classified	(Not classified) Not classified	Not classified	800m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7117409	Not classified	(Not classified) Not classified	Not classified	801m	North East
7093112	Not classified	(Not classified) Not classified	Not classified	806m	South East
7092198	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	810m	South West
7092990	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	814m	South West
7092968	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	815m	North West
7092193	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	818m	South
7117439	Not classified	(Not classified) Not classified	Not classified	820m	East
7117317	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	821m	East
7117375	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Sheltered Shale Forest	Southern Escarpment Wet Sclerophyll Forests	821m	East
7093120	Not classified	(Not classified) Not classified	Not classified	823m	South
7117286	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Western Blue Mountains Sheltered Shale Forest	Southern Escarpment Wet Sclerophyll Forests	824m	East
7092942	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	825m	North West
7092170	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	828m	South
7093113	Not classified	(Not classified) Not classified	Not classified	829m	South East
7117420	Not classified	(Not classified) Not classified	Not classified	829m	East
7117408	Not classified	(Not classified) Not classified	Not classified	830m	North East
7092229	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	832m	South West
7117454	Not classified	(Not classified) Not classified	Not classified	835m	East
7092227	Grassy Woodlands	(Grassy Woodlands) Central Tableland Clay Apple Box Grassy Forest	Southern Tableland Grassy Woodlands	838m	South West
7117446	Not classified	(Not classified) Not classified	Not classified	838m	East
7117399	Not classified	(Not classified) Not classified	Not classified	844m	North East
7117452	Not classified	(Not classified) Not classified	Not classified	847m	East
7117449	Not classified	(Not classified) Not classified	Not classified	856m	East
7092343	Not classified	(Not classified) Not classified	Not classified	859m	South
7092192	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	866m	South West
7117433	Not classified	(Not classified) Not classified	Not classified	868m	East
7118093	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Grassy Box Woodland	Southern Tableland Grassy Woodlands	871m	North East
7092962	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	882m	West
7117213	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	890m	North East
7092978	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	893m	South East
7092225	Grassy Woodlands	(Grassy Woodlands) Central Tableland Clay Apple Box Grassy Forest	Southern Tableland Grassy Woodlands	898m	South West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7092839	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	899m	East
7092975	Grassy Woodlands	(Grassy Woodlands) Central Tableland Ranges Peppermint-Gum Grassy Forest	Southern Tableland Grassy Woodlands	904m	East
7117373	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	908m	East
7092240	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	919m	South West
7117438	Not classified	(Not classified) Not classified	Not classified	920m	East
7092226	Grassy Woodlands	(Grassy Woodlands) Central Tableland Clay Apple Box Grassy Forest	Southern Tableland Grassy Woodlands	921m	South West
7092189	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	922m	South West
7092960	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	926m	North West
7092959	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	927m	North West
7092345	Not classified	(Not classified) Not classified	Not classified	928m	South
7092970	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	929m	North West
7092940	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Central Tableland Peppermint Shrub-Grass Forest	Southern Tableland Dry Sclerophyll Forests	933m	North West
7117301	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Swamp Woodland	Subalpine Woodlands	933m	North East
7092903	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	935m	North
7093066	Not classified	(Not classified) Not classified	Not classified	936m	North
7092848	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	942m	North
7092851	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	942m	North
7117318	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	943m	East
7092961	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	948m	North West
7092906	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Creekflat Ribbon Gum Forest	Tableland Clay Grassy Woodlands	956m	North
7092408	Not classified	(Not classified) Not classified	Not classified	957m	South
7092963	Grassy Woodlands	(Grassy Woodlands) Central Tableland Clay Apple Box Grassy Forest	Southern Tableland Grassy Woodlands	957m	West
7117266	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Tableland Hills Grassy Forest	Southern Tableland Dry Sclerophyll Forests	960m	North East
7092965	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	966m	West
7092223	Grassy Woodlands	(Grassy Woodlands) Southern Tableland Granites Ribbon Gum Grassy Forest	Tableland Clay Grassy Woodlands	967m	South West
7092982	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	967m	South
7092369	Not classified	(Not classified) Not classified	Not classified	968m	South West
7117434	Not classified	(Not classified) Not classified	Not classified	974m	East
7092235	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Central Gorges Box-Red Gum Grassy Forest	Central Gorge Dry Sclerophyll Forests	979m	South West
7092858	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Goulburn-Lithgow Ranges Silvertop Ash Forest	South East Dry Sclerophyll Forests	989m	North
7117418	Not classified	(Not classified) Not classified	Not classified	991m	East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
7093076	Not classified	(Not classified) Not classified	Not classified	995m	North
7092841	Grassy Woodlands	(Grassy Woodlands) Central Tableland Granites Grassy Box Woodland	Southern Tableland Grassy Woodlands	996m	East

Native Vegetation Type Map : NSW Department of Planning and Environment 2022
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Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

Map ID	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Agriculture, Water and the Environment

Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Collaborative Australian Protected Areas Database - Terrestrial

Protected areas in terrestrial environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Collaborative Australian Protected Areas Database - Marine

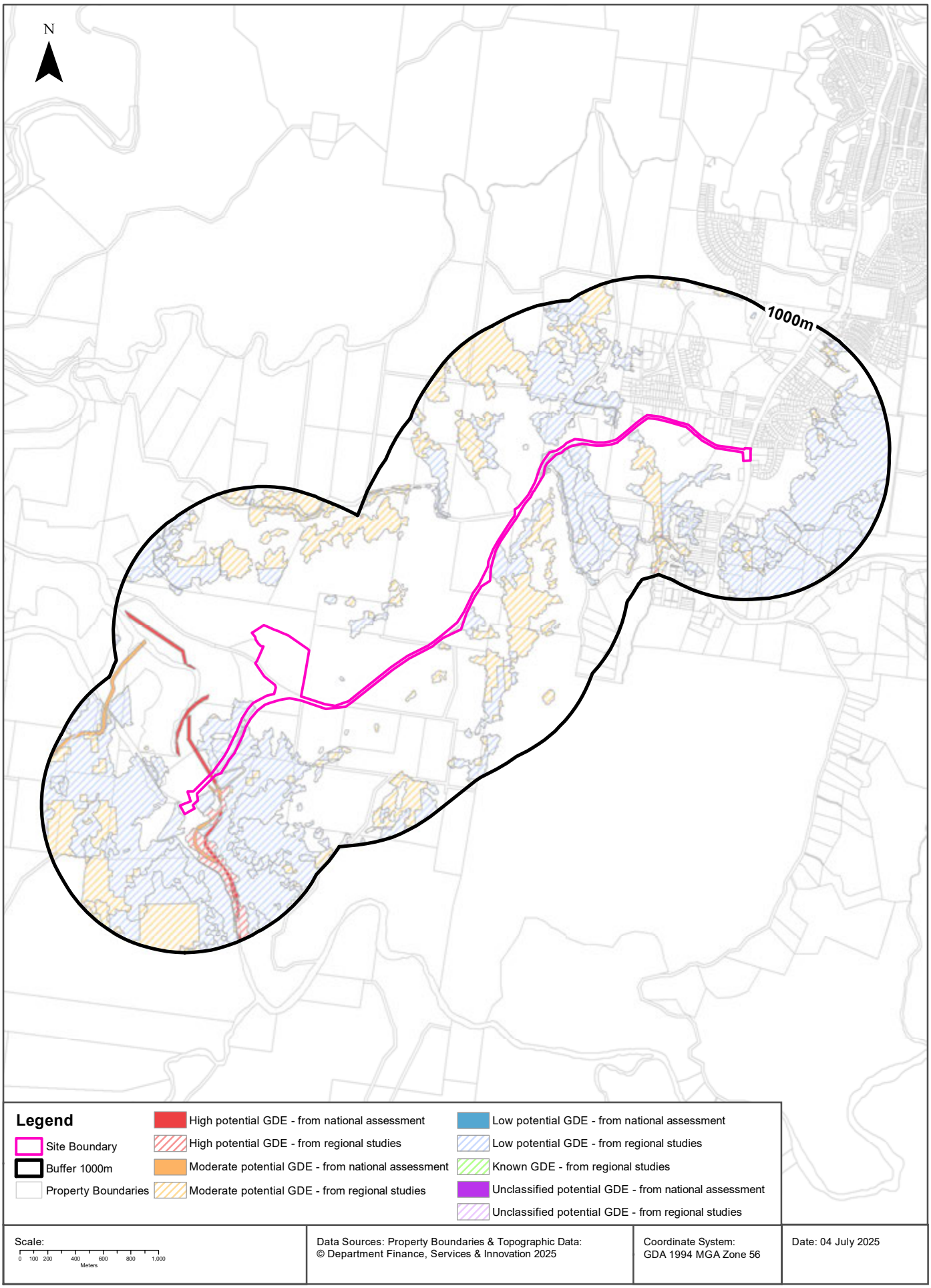
Protected areas in marine environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Source: Collaborative Australian Protected Areas Database (CAPAD) 2022
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Ecological Constraints - Groundwater Dependent Ecosystems Atlas

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

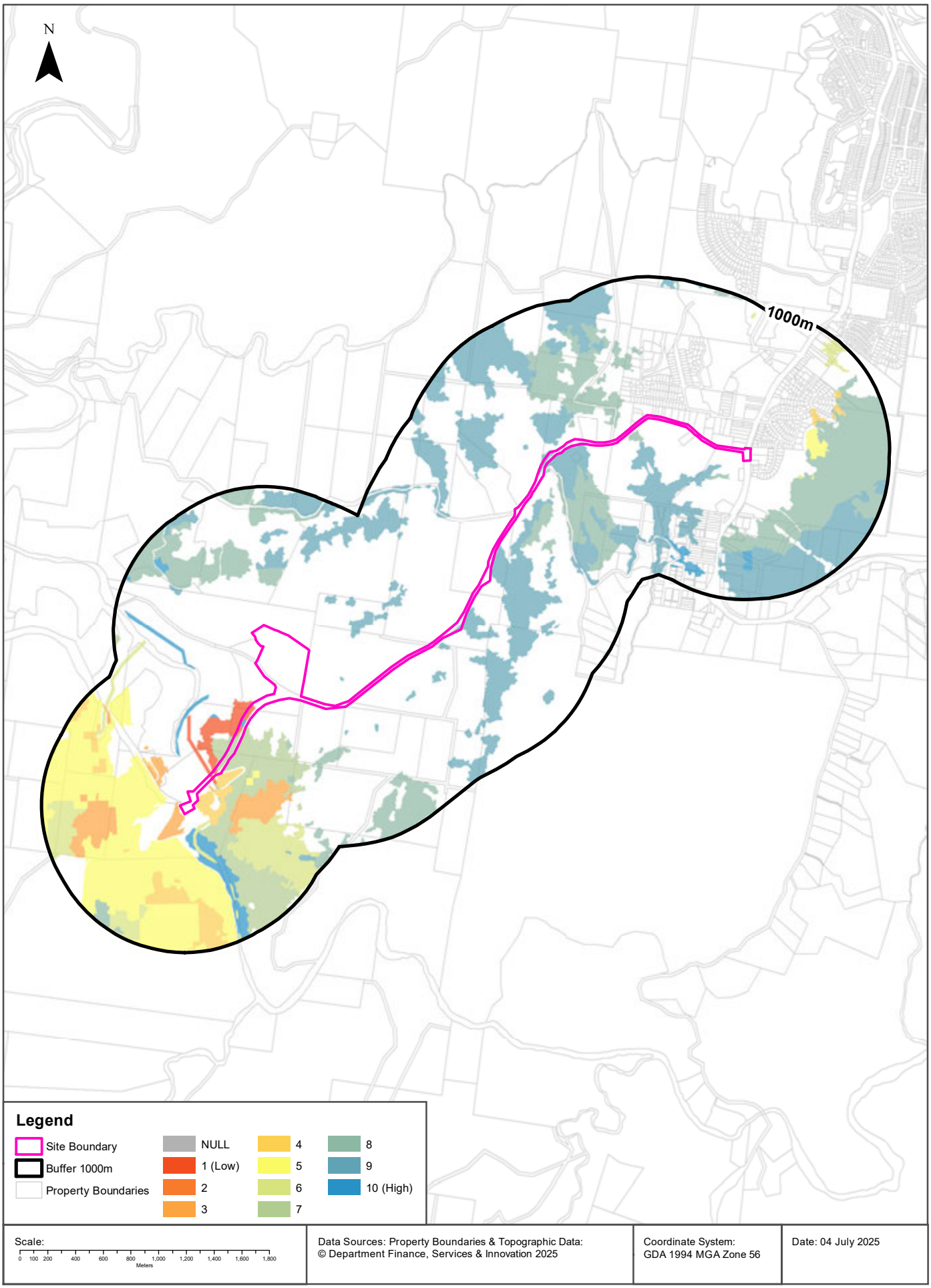
Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	Low potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Aquatic	High potential GDE - from national assessment	Deeply dissected sandstone plateaus.	River		0m	On-site
Aquatic	Moderate potential GDE - from national assessment	Deeply dissected sandstone plateaus.	River		16m	South West
Terrestrial	Moderate potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		16m	East
Terrestrial	High potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		67m	South West

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints - Inflow Dependent Ecosystems Likelihood

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)



Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	7	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	1	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	10	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Aquatic	1	Deeply dissected sandstone plateaus.	River		0m	On-site
Terrestrial	9	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	4	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	8	Deeply dissected sandstone plateaus.	Vegetation		2m	North East
Terrestrial	3	Deeply dissected sandstone plateaus.	Vegetation		9m	South West
Aquatic	3	Deeply dissected sandstone plateaus.	River		16m	South West
Aquatic	8	Deeply dissected sandstone plateaus.	River		35m	South West
Terrestrial	5	Deeply dissected sandstone plateaus.	Vegetation		107m	South West
Aquatic	6	Deeply dissected sandstone plateaus.	River		121m	South West
Aquatic	10	Deeply dissected sandstone plateaus.	River		172m	South West
Terrestrial	6	Deeply dissected sandstone plateaus.	Vegetation		326m	South West
Aquatic	5	Deeply dissected sandstone plateaus.	River		790m	South West

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology

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Ecological Constraints

South Bowenfels, Lake Lyell, NSW 2790 (Part 2 of 2)

NSW BioNet Species Sightings

Species sightings from the NSW BioNet Repository that have either a state or federal conservation status, or a sensitivity status, and are within 10 km of the site:
Note: This data does not include NSW Category 1 sensitive species.

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Category 2	Critically Endangered	Critically Endangered	
Animalia	Aves	Aphelocephala leucopsis	Southern Whiteface	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Category 3	Endangered	Endangered	
Animalia	Aves	Calyptorhynchus lathami lathami	South-eastern Glossy Black-Cockatoo	Category 2	Vulnerable	Vulnerable	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;JAMBA
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lathamus discolor	Swift Parrot	Not Sensitive	Endangered	Critically Endangered	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Manorina melanotis	Black-eared Miner	Not Sensitive	Critically Endangered	Endangered	
Animalia	Aves	Melanodryas cucullata cucullata	South-eastern Hooded Robin	Not Sensitive	Endangered	Endangered	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Oxyura australis	Blue-billed Duck	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Parvipsitta pusilla	Little Lorikeet	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Petroica phoenicea	Flame Robin	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pomatostomus temporalis temporalis	Grey-crowned Babbler (eastern subspecies)	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pycnoptilus floccosus	Pilotbird	Not Sensitive	Vulnerable	Vulnerable	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Strepera graculina crissalis	Pied Currawong (Lord Howe Is. subsp.)	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Insecta	Paralucia spinifera	Purple Copper Butterfly, Bathurst Copper Butterfly	Not Sensitive	Endangered	Vulnerable	
Animalia	Insecta	Petalura gigantea	Giant Dragonfly	Not Sensitive	Endangered	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Not Sensitive	Vulnerable	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Notomys mitchellii	Mitchell's Hopping-mouse	Not Sensitive	Extinct	Not Listed	
Animalia	Mammalia	Nyctophilus bifax	Eastern Long-eared Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Petauroides volans	Southern Greater Glider	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Reptilia	Aspidites ramsayi	Woma	Not Sensitive	Vulnerable	Not Listed	
Animalia	Reptilia	Eulamprus leuraensis	Blue Mountains Water Skink	Not Sensitive	Endangered	Endangered	
Plantae	Flora	Acacia meiantha		Not Sensitive	Endangered	Endangered	
Plantae	Flora	Asterolasia buxifolia		Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Boronia deanei	Deane's Boronia	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Caesia parviflora var. minor	Small Pale Grass-lily	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Eucalyptus aggregata	Black Gum	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Eucalyptus pulverulenta	Silver-leafed Gum	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Not Sensitive	Endangered	Vulnerable	
Plantae	Flora	Persoonia acerosa	Needle Geebung	Not Sensitive	Vulnerable	Endangered	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Persoonia hindii		Not Sensitive	Endangered	Endangered	
Plantae	Flora	Persoonia marginata	Clandulla Geebung	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Persoonia oxycoccoides		Not Sensitive	Endangered	Endangered	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Veronica blakelyi		Not Sensitive	Endangered	Not Listed	

Source: NSW BioNet Species Sightings

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Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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Annexure B
Photographic log

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Photograph log

Project	Lake Lyell Contamination Preliminary Investigation		
Client	Energy Australia	**Job number**	E221111
EMM field staff	A. Hughes	**Date:**	10/07/2024



Photograph 1

Mt Walker, location of the proposed upper reservoir development to the east

Location: -33.48626/ 150.0915

Direction: 87.4° clockwise from north



Photograph 2

Mt Walker, location of the proposed upper reservoir development to the west

Location: -33.48627/ 150.09152

Direction: 129.5° clockwise from north



Photograph 3

Powerline easement within pumped hydro location

Location: -33.50145/ 150.0773

Direction: 289° clockwise from north



Photograph 4

Sir Thomas Mitchell Drive looking down the road to the east

Location: -33.50788/ 150.10033

Direction: 43.3° clockwise from north



Photograph 5

Magpie Hollow Road – rural housing with grazing paddocks

Location: -33.50554/ 150.11281

Direction: 162.1° clockwise from north



Photograph 6

Lilyvale Dam potential laydown area

Location: -33.52748414/ 150.08138503

Direction: 342.02° clockwise from north



Photograph 7

Camping area to the west of the proposed lakeside site

Location: -33.51776/ 150.08577

Direction: 124.1° clockwise from north



Photograph 8

Proposed lakeside site

Location: -33.51782/ 150.08605

Direction: 39° clockwise from north



Photograph 9

Town site looking south from the northern boundary

Location: -33.48552703/ 150.156621

Direction: 126.06° clockwise from north



Photograph 10

Southern area of the town site, some stockpiles scattered in gully, historical cropping land

Location: -33.48895049/ 150.15575901

Direction: 20.66° clockwise from north



Photograph 11

Stockpiles on the side of the road containing what looked like road base and concrete, within the lakeside site

Location: -33.51925/ 150.0862

Direction: 251.6° clockwise from north



Photograph 12

Approx. 10m x 2m stockpile of unknown material in northern area of the town site

Location: -33.48572819/ 150.15605732

Direction: 42.55° clockwise from north



Photograph 13
Pottery Estate building approx. 1 m west of the town site
Location: -33.4864689/ 150.15515652
Direction: 323.53° clockwise from north



Photograph 14
Pottery Estate chimney approx. 0.5 m west of the town site
Location: -33.48658038/ 150.15523321
Direction: 151.64° clockwise from north



Photograph 15

Sir Thomas Mitchell Drive private property with stockpiled fill visible in the background

Location: -33.50788/ 150.10035

Direction: 95.7° clockwise from north



Photograph 16

Sir Thomas Mitchell Drive - sewage tanks

Location: -33.51003/ 150.10504

Direction: 116.8° clockwise from north



Photograph 17

Sir Thomas Mitchell Drive – parked rusted old trucks

Location: -33.51002/ 150.10499

Direction: 207° clockwise from north



Photograph 18

Cattle stockyard on Magpie Hollow Road near corner of Sir Thomas Mitchell Drive

Location: -33.50848/ 150.10757

Direction: 164.3° clockwise from north



Photograph 19

Shell Service Station on corner of Magpie Hollow Road

Location: -33.50602/ 150.12385

Direction: 310.3° clockwise from north



Photograph 20

Potential building footings, northern end of town site

Location: -33.48592424/ 150.15508368

Direction: 100.18° clockwise from north



Photograph 21

Wood, steel, boulders and concrete near stockpiles to the north of the town site

Location: -33.48618886/ 150.156377

Direction: 85.88° clockwise from north



Photograph 22

Within stockpiles to the north of the town site with pooled water, concrete fragments, brick, wool blanket, metal rings, and rusted steel farm equipment

Location: -33.48597847/ 150.15643383

Direction: 84.04° clockwise from north



Photograph 23

Raised area looking north from southern area of the town site, potential fill

Location: -33.4889191/ 150.15625697

Direction: 262.71° clockwise from north



Photograph 24

Stockpiles and machinery adjacent to the south-western end of the town site

Location: -33.49049142/ 150.15445478

Direction: 198.26° clockwise from north



Photo 25
Back area of SES adjacent to the town site.
Location: -33.48544149/ 150.15609353
Direction: 214.42° clockwise from north



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