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Sydney NSW 2000
Australia
ABN 84 150 163 143

14th August 2025

Iwan Davies
Director
Energy Assessments
Department of Planning Housing and Infrastructure

Re: Richmond Valley Solar Farm SSD-41020244 – Response to Request for Additional Information dated 25 June 2025

Dear Iwan,

A Submissions Report and Amendment Report for the Richmond Valley Solar Farm Project SSD-41020244 was lodged with the Department of Planning Housing and Infrastructure (DPHI) in June 2025. Following lodgement of these documents, Richmond Valley Solar and BESS Pty Ltd (Ark Energy) received a request for additional information from DPHI, dated 25 June 2025, the following information was requested:

- Evidence of the agreed heads of terms for a Voluntary Planning Agreement between the Richmond Valley Council and the Ark Energy.
- A Preliminary Site Investigation (PSI) of the land prepared in accordance with Clause 4.6 of State Environmental Planning Policy (Resilience and Hazards) 2021;
- Clarification of the total reduction in development footprint, noting inconsistencies between the figure provided across different parts of the RTS / Amendment Report package;
- Confirm whether the assumptions within the visual assessment account for the height of solar panels and other infrastructure which is raised above the floodplain, as committed to within the RTS; and
- Evidence of consultation with Lismore City Council, Clarence Valley Council and Ballina Shire Council on the proposed approach to workforce accommodation, noting that these LGAs are identified within the SIA.

Responses to these items are provided below.

Evidence of the agreed heads of terms for a Voluntary Planning Agreement between the Richmond Valley Council and the Ark Energy.

Ark Energy has discussed and provided a written offer to Richmond Valley Council outlining key terms for Community Benefit Fund contributions consistent with NSW Benefit Sharing Guidelines (DPHI November 2024). The terms are provided in Table 1. Richmond Valley Council has declined the offer and is seeking for the Section 7.12 Contributions Plan to apply to the Community Benefit Fund.

Table 1. Voluntary Planning Agreement Terms offered

#	Key term of agreement	Detail
1.	Administer of Community Benefit Fund	Administered by Richmond Valley Council under a planning agreement between Ark Energy and the Council
2.	Annual contribution rate	$850/MW pa of AC solar installed
3.	Payment Commencement	From commencement of operation
4.	Indexation of payments	CPI
5.	Indexation commencement	Commencing from execution of a planning agreement between Ark Energy and the Council
6.	Term of agreement	Ongoing for the operational life of the Project.

A Preliminary Site Investigation (PSI) of the land prepared in accordance with Clause 4.6 of State Environmental Planning Policy (Resilience and Hazards) 2021;

A Preliminary Site Investigation for potential land contamination has been carried out and the report is provided in Appendix A. The report concluded that the Project Area is suitable for the proposed development and land use, further assessment of contamination is not considered necessary and, as no contamination has been identified, site remediation is not required.

Clarification of the total reduction in development footprint, noting inconsistencies between the figure provided across different parts of the RTS / Amendment Report package;

The Development Footprint is now 789 ha, originally 803 ha in the EIS. This is a reduction of 14 ha. The Road Upgrade Footprint is 12 ha, originally 11 ha in the EIS.

Confirm whether the assumptions within the visual assessment account for the height of solar panels and other infrastructure which is raised above the floodplain, as committed to within the RTS;

The Amendment Report submitted in June 2025 included a reduction in height of the solar panels. Moir Studio, who prepared the Landscape and Visual Impact Assessment (LVIA) for the EIS, have provided a memo confirming the findings of the LVIA remain consistent with the modification, the memo is provided in Appendix B.

Evidence of consultation with Lismore City Council, Clarence Valley Council and Ballina Shire Council on the proposed approach to workforce accommodation, noting that these LGAs are identified within the SIA.

Ark Energy has engaged with Lismore City Council, Clarence Valley Council and Ballina Shire Council on the proposed approach to workforce accommodation. The Councils have confirmed their willingness to liaise with Ark Energy on the development of the Accommodation Strategy for the Project. A letter issued by Lismore City Council regarding workforce accommodation for the Project is provided in Appendix C. A summary of engagement with the Councils is provided in Table 2.

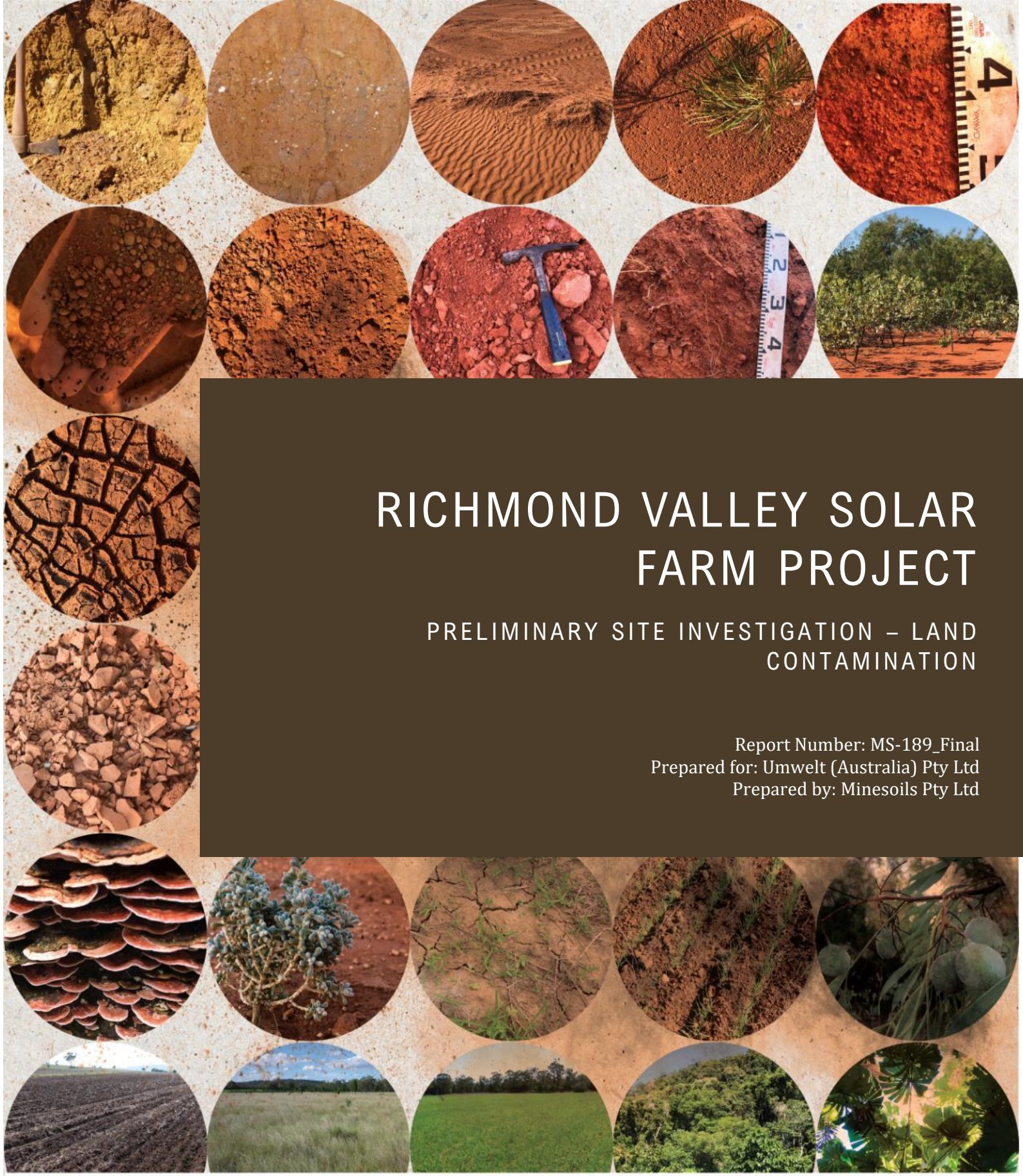
Table 2. Summary of consultation

Council	Date	Engagement Type	Outcomes
Lismore City Council	9 July 2025	Letter	Received letter confirming Council is willing to liaise with the Proponent on accommodation availability and assist in coordination with accommodation providers as the Project progresses.
Ballina Shire Council	15 July 2025	Meeting	Council has confirmed their willingness to remain engaged and consult with Ark Energy throughout the progression of the Project and the development of the Accommodation Strategy.
Clarance Valley Council	16 July 2025	Email	Council confirmed they can assist and provide advice regarding workers accommodation on request should the need arise, Council also advised Ark Energy of current considerations for workforce accommodation in the area.

Sincerely,

Siobhan Threlfall
Development Manager

Appendix A: Preliminary Site Investigation – Land Contamination



RICHMOND VALLEY SOLAR FARM PROJECT

PRELIMINARY SITE INVESTIGATION – LAND CONTAMINATION

Report Number: MS-189_Final
Prepared for: Umwelt (Australia) Pty Ltd
Prepared by: Minesoils Pty Ltd

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DOCUMENT CONTROL

Reference	Date	Prepared by	Approved
MS-189_Draft	02/06/2025	Jake Iskenderian	Matt Hemingway
MS-189_Draft_V2	17/06/2025	Jake Iskenderian	Matt Hemingway
MS-189_Final	19/06/2025	Jake Iskenderian	Matt Hemingway

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1 INTRODUCTION

1.1 OVERVIEW

Minesoils Pty Ltd (Minesoils) was engaged by Umwelt (Australia) Pty Limited (Umwelt) to conduct a Preliminary Site Investigation (PSI) of the proposed Richmond Valley Solar Farm and Battery Energy Storage System (BESS) (the Project) located in the Northern Rivers region of New South Wales. The Project is a State Significant Development (SSD) under State Environmental Planning Policy (Planning Systems) 2021 (NSW) (Planning Systems SEPP).

The PSI has been prepared in accordance with the *State Environmental Planning Policy (Resilience and Hazards) 2021, Chapter 4 Clause 4.6: Contamination and remediation to be considered in determining development application.*

This PSI incorporates the entire Project Area, including the amended Development Footprint, and provides insight into potential human and environmental risks based on previous and current land uses.

1.2 PROJECT BACKGROUND

The Project is located approximately 7 kilometres (km) to the east of the town of Rappville, 25 kilometres south of Casino and 26 kilometres to the west of Woodburn and is wholly within the Richmond Valley Local Government Area (LGA) (**Figure 1**).

The Project is a development for the purposes of electricity generating works and involves the construction, operation and decommissioning of up to 500 megawatts (MW DC) of solar photovoltaic (PV) generation, a Battery Energy Storage System (BESS) with 2,200-megawatt hour (MWh) operational capacity, and a transmission line to connect the Project from the substation to the National Electricity Market. The Project will include various associated infrastructure including temporary construction facilities, and operations and maintenance facility, internal roads, civil works, and other required electrical infrastructure (refer **Figure 2**). A more detailed description is listed in **Section 2.3**.

This PSI should be read in conjunction with the Richmond Valley Solar Farm Environmental Impact Statement (EIS) (Umwelt, 2024) and the Amendment Report (Umwelt, 2025), which provides an overview of previous environmental assessments as well as design changes since the submission of the EIS in June 2024. A key change is the reduction in the amended Development Footprint which has decreased from 803 ha to 789 ha due to the identification of *Maundia trichlochoides* and *Rotala tripartitain* Q1 2025.

1.3 OBJECTIVES

The objectives of this report are to assess whether contamination has the potential to exist on the site, and whether further investigation of contamination is required to confirm the suitability of the site for the proposed Project.

1.4 SCOPE OF WORK

To meet the objectives of the PSI, Minesoils carried out a desktop review of the Project, which was developed in consideration of:

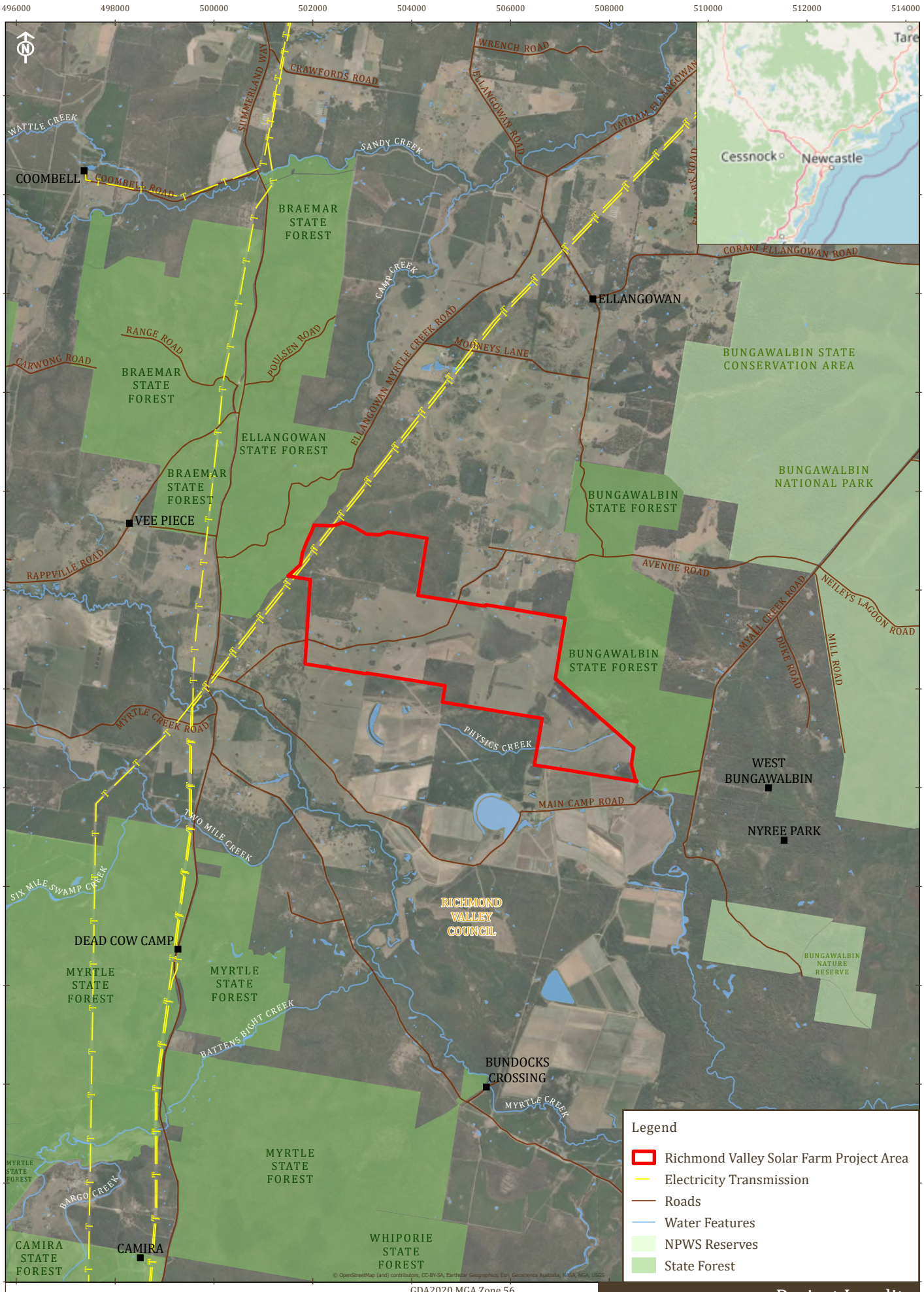
- *Contamination Land Planning Guidelines* DRAFT (EPA, undated).
- *Managing Land Contamination Planning Guidelines SEPP 55 – Remediation of Land* (Department of Urban Affairs and Planning, 1998).
- *Consultants Reporting on Contaminated Land: Contaminated Land Guidelines* (NSW Environment Protection Authority [EPA], 2020).

This desktop review includes:

- Site condition and surrounding environment
- Geological and hydrogeological setting

- Site history
- Past and present potentially contaminating activities
- Potentially contaminated media

Development of a conceptual site model (CSM) with information gathered from the data review and previous Minesoils site inspection Richmond Valley Solar Farm and BESS Soils Land and Agricultural Impact Assessment (Minesoils 2024)



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MINESOILS
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Scale 1:100,000 at A4

Project Locality

FIGURE 1

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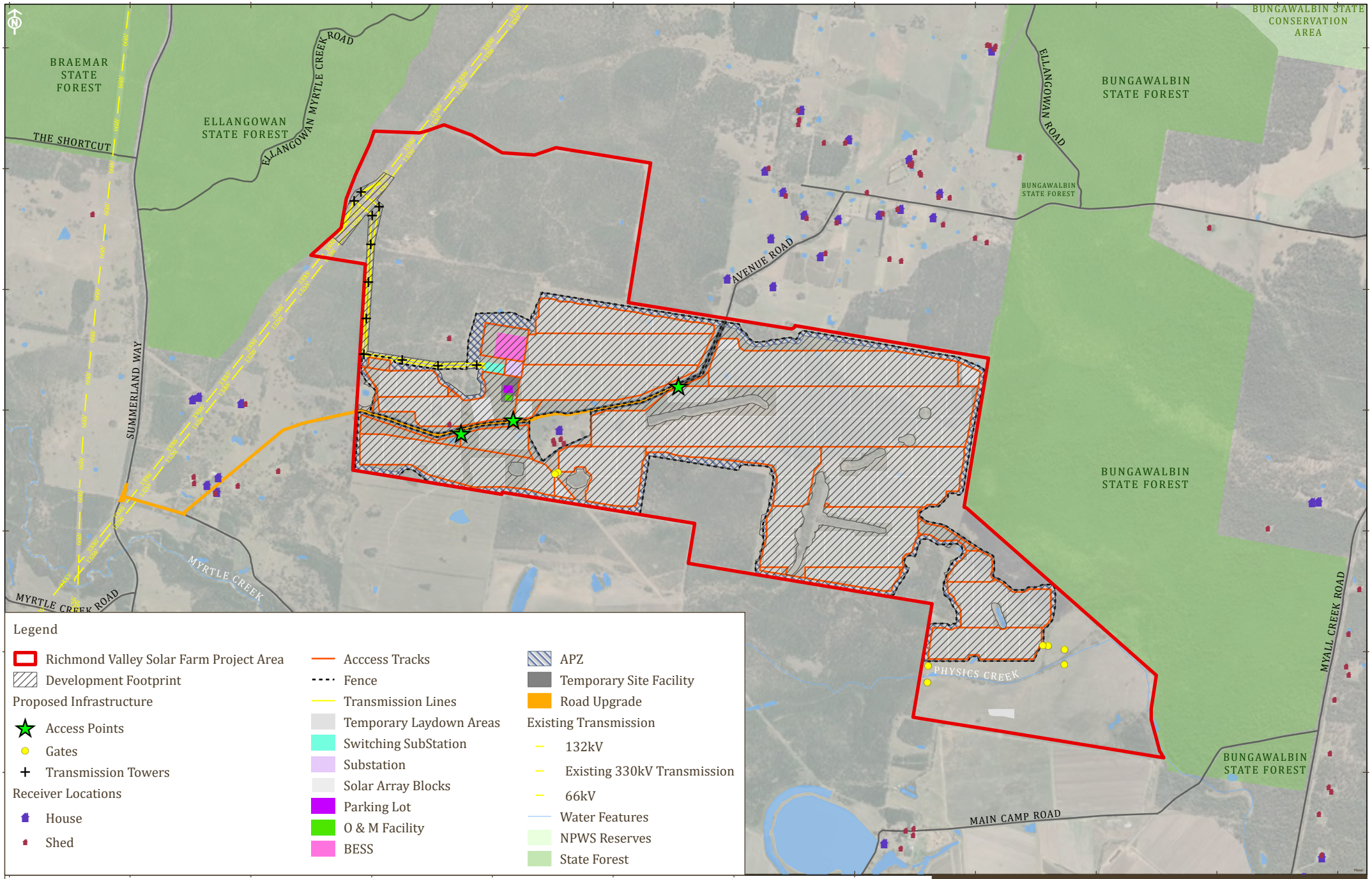
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THE SHORTCUT
ELLANGOWAN MYRTLE CREEK ROAD
SUMMERLAND WAY
MYRTLE CREEK ROAD
MYRTLE CREEK
AVENUE ROAD
ELLANGOWAN ROAD
BUNGAWALBIN STATE CONSERVATION AREA
BUNGAWALBIN STATE FOREST
PHYSICS CREEK
MYALL CREEK ROAD
MAIN CAMP ROAD
Legend
Richmond Valley Solar Farm Project Area
Development Footprint
Proposed Infrastructure
Access Points
Gates
Transmission Towers
Receiver Locations
House
Shed
Acccess Tracks
Fence
Transmission Lines
Temporary Laydown Areas
Switching SubStation
Substation
Solar Array Blocks
Parking Lot
O & M Facility
BESS
APZ
Temporary Site Facility
Road Upgrade
Existing Transmission
132kV
Existing 330kV Transmission
66kV
Water Features
NPWS Reserves
State Forest
GDA 1994 MGA Zone 56
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Study Area
FIGURE 2
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2 SITE DESCRIPTION

2.1 SITE IDENTIFICATION

The Project Area is located within the Northern Rivers region of New South Wales, within the Richmond Valley LGA and comprises of two (2) freehold properties, 255 and 420 Avenue Road, Myrtle Creek NSW 2469, that span across ten (10) cadastral lots covering an area of approximately 1,475 ha. The amended Development Footprint covers an area of approximately 789 ha spanning ten (10) cadastral lots, listed below and shown on **Figure 3.**

- Lot 1 DP540060
- Lot 2 DP 540060
- Lot 29 DP 755607
- Lot 30 DP 755607
- Lot 32 DP 755607
- Lot 34 DP 755607
- Lot 36 DP 755607
- Lot 57 DP 755607
- Lot 62 DP 755607
- Lot 5 DP 113452

The amended Development Footprint is accessible from and bisected by Avenue Road, which connects with Summerland Way to the west via Main Camp Road and with Myall Creek Road to the east. Summerland Way stretches from Grafton (65 km south of the Project) to the Mount Lindesay Highway in southern Queensland (approximately 89 km north-west). The state road is an alternate north-south route to the Pacific Highway which runs along the east coast and is located 25 km east of the Project Area.

2.2 LAND USE

The Project is wholly located within land zoned as RU1 Primary Production. It has historically been utilised for agricultural and forestry practices, with evidence of broad native vegetation modification resulting from extensive clearing and agricultural land use as well as previous use as a plantation forest. Isolated areas of remnant native vegetation remain on some hill crests and hillslopes.

Livestock grazing on pastures and fodder crops is the primary current land-use, with some areas utilised for forestry practices.

An existing 330 kV transmission line is located within the Project Area approximately 1.6 km north-west of the proposed substation. The transmission line runs north-south from Coffs Harbour through Grafton and north beyond Lismore.

2.3 PROPOSED DEVELOPMENT

The Project is a State Significant Development, SSD-41020244, for the purposes of electricity generating works, and would include the following primary components (refer **Figure 2**):

- Up to 730,000 bifacial solar panels on ground-mounted single axis tracking framework;
- 118 PV inverter stations within the solar array footprint;
- Substation;
- Centralised 475 MW / 2,200 MWh BESS;
- Construction of an approximately 2 km 330 kV transmission line, including 13 transmission towers;
- Temporary facilities to include office amenities, parking, storage, a control room and data, and water and electrical reticulation;
- Temporary laydown areas suitable for storing plant material and equipment, solar panels and cable drums;
- Permanent operational facilities including a system control building, switch room and storage facilities, and car parking; and

- Upgraded Project access and internal roads.

The Project is expected to remain operational for approximately 30 years, after which time it will be assessed for renewal or decommissioning.

Upon decommissioning of the Project, the following indicative steps would occur:

- With the exception of the switching substation, all above ground equipment including solar panels, tracking system and foundational pillars would be removed. The BESS and substation infrastructure would be unbolted from concrete slabs and removed by crane onto transporters. All site infrastructure would be removed from site to an appropriate recycling or waste facility. The Switching Substation, conservatively estimated to cover approximately 4 ha, may remain in-situ post-Project.
- Underground services would be removed
- The site would then be landscaped to a safe, clean and stable state

2.4 TOPOGRAPHY AND DRAINAGE

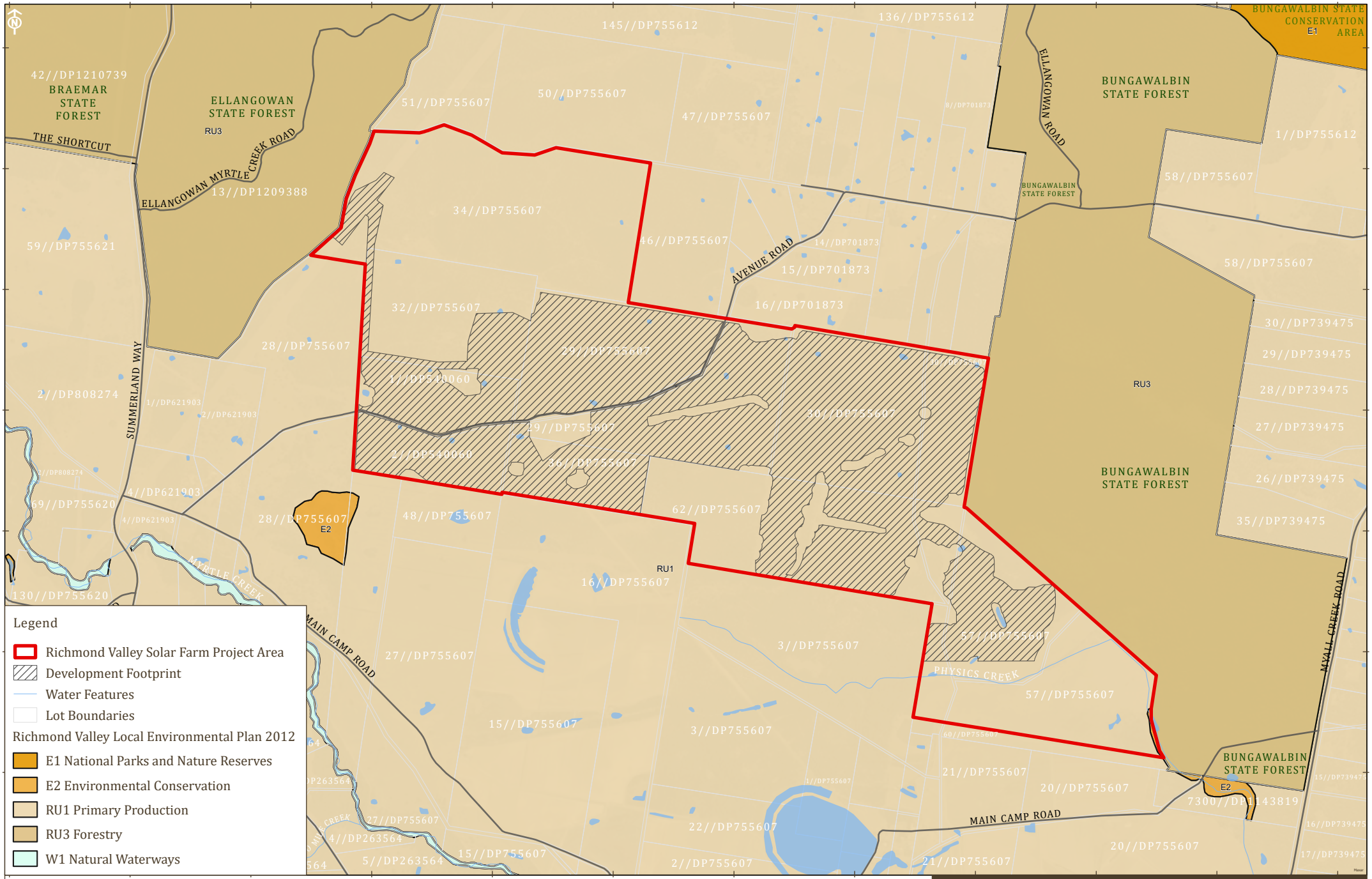
The landscape is characterised by undulating and rolling hills, low crests and rises adjacent to broad, flat alluvial plains. The lowest elevation is approximately 25 m above sea level (ASL) on drainage plains in the southeastern portion of the site and rises to 70 m (ASL) on crested areas in the west (refer **Figure 4**).

The area is a generally stable, free draining landform with 90 - 100% surface cover in the form of sustainable pasture and fodder crop for grazing. Within the area are several small waterbodies along with a number of 1st and 2nd order Strahler streams. As detailed in Section 3.6 of the Amendment Report, the amended Development Footprint includes removal of approximately 49 ha of solar panels and associated infrastructure from the south-eastern portion of the Project Area. As such, the Project will not interact with the fourth order tributaries of Physics Creek running from the north-west of the subject land to Physics Creek in the south-east.

2.5 SURROUNDING ENVIRONMENT

The surrounding locality is characterised by predominantly rural land uses with land in the immediate vicinity occupied by scattered rural residential dwellings and used for forestry and plantation purposes. Neighbouring properties in the immediate vicinity are observed to be used primarily for livestock grazing or as plantation forests/ production native forestry, with some isolated cultivation also being undertaken within the broader locality.

The Project is bordered by dense vegetation to the north, east and south and is in close proximity to a number of state forests. Vegetation connecting to the Bungawalbin State Forest is located along the eastern boundary. Ellangowan State Forest is located to the north-west, and Myrtle State Forest to the south-west.



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Land Zoning

FIGURE 3

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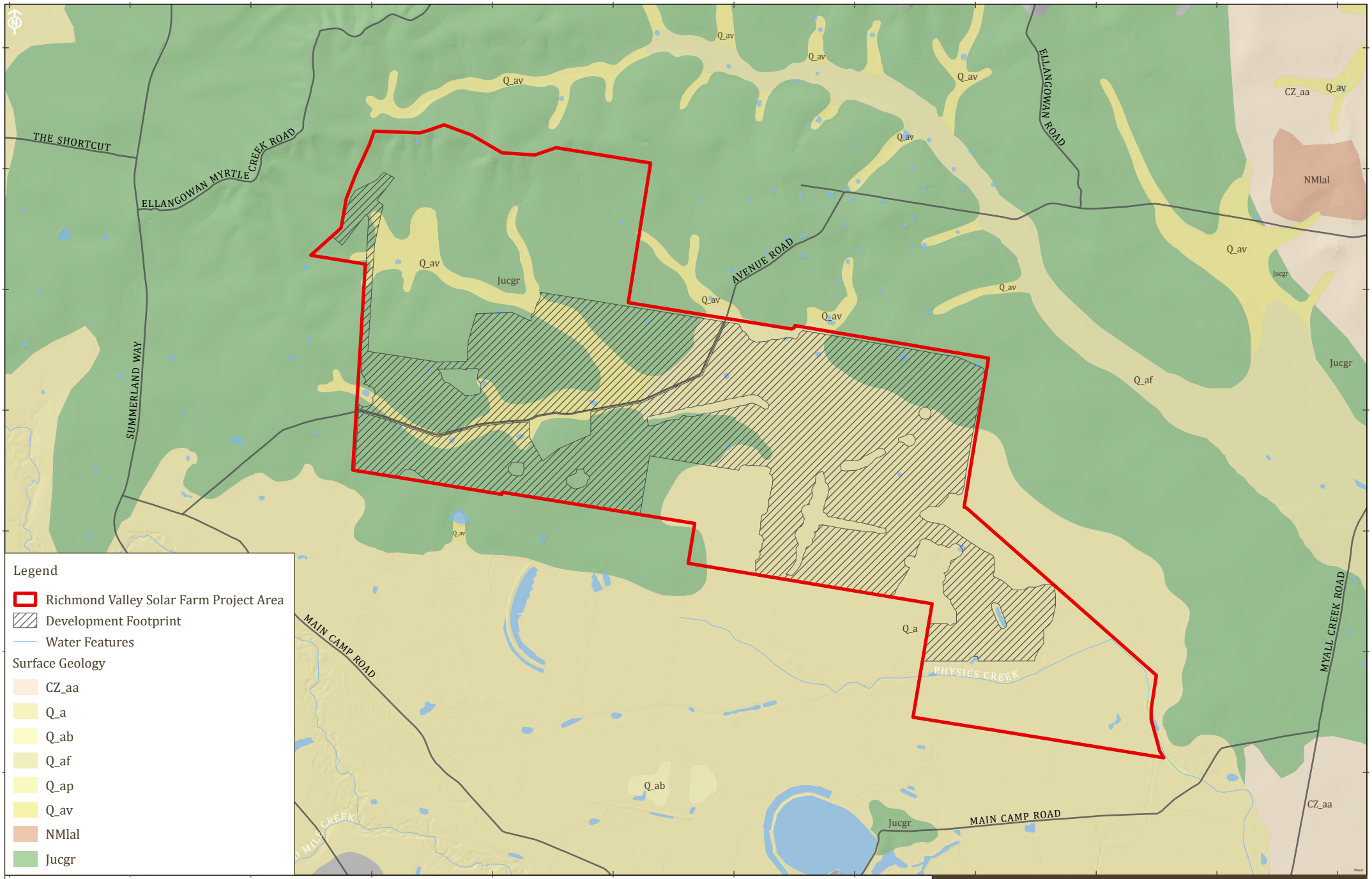
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AVENUE ROAD
ELLANGOWAN ROAD
MAIN CAMP ROAD
MYALL CREEK ROAD
PHYSICS CREEK
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Q_ab
CZ_aa
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Legend
Richmond Valley Solar Farm Project Area
Development Footprint
Water Features
Surface Geology
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Q_a
Q_ab
Q_af
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Q_av
NMlal
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Surface Geology
FIGURE 4
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3 SITE HISTORY

3.1 HISTORICAL LAND USE

As described in **Section 2.2**, the Project Area has been subject to extensive clearing for agricultural activities, namely livestock grazing on improved and modified pastures, and utilised for forestry practices (Minesoils 2024).

3.2 HISTORICAL RECORD OF CONTAMINATION

The following searches were carried out as part of the Lotsearch and did not identify any nearby contaminated sites (refer **Appendix 1**):

- List of NSW contaminated sites notified to Environmental Protection Authority (EPA)
- Contaminated Land: Records of Notice
- Former Gasworks
- EPA Notices
- Waste Management & Liquid Fuel Facilities
- PFAS Investigation & Management Programs
- Defence Sites and Unexploded Ordnance
- EPA Other Sites with Contamination Issues

A further search of NSW EPA Contaminated Land Record of Notices (NSW EPA 2025) was conducted to identify any public records pertaining to potential sources of contamination within the locality. One site, within the Richmond Valley LGA, was identified in the search which relates to a service station in Casino. This site is approximately 25 km north of the site and therefore is not relevant to the Project Area.

The Lotsearch included a search for cattle dips within the Project Area identifying one historical cattle dip on the northern boundary of the Project Area, refer page 20 within the Lotsearch report. The purpose of cattle dips are to maintain cattle health, by controlling external parasites, which involves submerging cattle in a tank filled with a diluted pesticide solution. Potential contaminants associated with cattle dips include pesticides, containing arsenic and DDT, which can leach into the soil and groundwater. These contaminants remain in the soil and pose long term risks to receivers. The status of the identified cattle dip is recorded as lapsed, with the licence expiring in August 2004, and is therefore assumed as not operational. However, it is a potential source of localised contamination.

3.3 HISTORICAL AERIAL PHOTOGRAPHY

Historical aerial imagery for the site has been obtained by accessing the Spatial NSW aerial photography database (Spatial NSW 2025), along with Google Earth and Google Maps imagery. A summary of historical aerial imagery, including land uses and development activities that have occurred at the site is provided below in **Table 1**. Refer to **Appendix 2** for historical aerial photographs sourced from the NSW Government Historical Imagery database, Google Earth and Google Maps. Further historical aerial images are also included in the LotSearch Report in **Appendix 1.**

Available images were examined, and 11 representative images were selected based on clarity and observable details. The earliest images available (aerial photographs) are from 1953. Subsequent aerial photographs are available from 1964, 1971, 1980 and 1998, with Google Earth images available from 1985, 2006, 2011 and 2018. A satellite image from 2024 was retrieved from Google Maps. These images document changes in land use between 1953 and present day. Analysis of these images indicate land uses within the Project Area are consistent with those described above, albeit with varying portions of the site allocated to grazing or forestry over the period assessed.

No additional potential sources of contamination were identified during the review of these images.

Table 1 Historical Aerial Imagery

Year	Image ID	Comments
1953	CAC_002_5047	This image displays the western portion of the site. A track running through the site between the eastern boundary and the northern boundary is apparent. The image shows the area largely cleared of trees with some patches of trees/bushland vegetation scattered throughout.
1953	CAC_002_5048	This image displays the eastern portion of the site. Waterways are visible, traversing through the southeastern corner of the site. The image shows the area largely cleared of trees with some patches of trees/bushland vegetation scattered throughout. Some denser areas of vegetation evident, particularly within the southeastern corner adjacent the waterways.
1964	1220_3W_179	This image displays the majority of the site area. The area remains largely cleared, however, regrowth of previously sparse areas of vegetation is apparent with denser pockets of vegetation visible throughout, particularly within the western portion of site. A cleared corridor is evident in the northwestern corner.
1971	1957_02_062	Evidence of further vegetation clearing is visible in the southeastern portion of the site. The remaining area remains largely unchanged with some additional clearing throughout. An additional track is apparent, crossing through the southern boundary and linking up with the original track with infrastructure observed immediately adjacent. Electrical infrastructure is assumed to be installed in the cleared corridor in the northwestern corner.
1980	2875_02_056	Some additional clearing of vegetation in the northeastern corner and along the northern boundary. Installation of water dams is evident throughout. The remainder of the site appears largely unchanged.
1985	Google Earth 1985	Regrowth of vegetation is evident in the eastern portion of the site. The remainder of the site appears to remain largely unchanged.
1998	4451_03_044	The site appears to remain largely unchanged.
2006	Google Earth 2006	Extensive clearing of vegetation is evident throughout site, with the exception of the northwestern corner and small pockets throughout.
2011	Google Earth 2011	A track running through the site between the southern and eastern boundary is apparent. Additional tracks running within the site are also evident. The remainder of the site remains largely unchanged.
2018	Google Earth 2018	The site appears to remain largely unchanged.
2024	Google Maps 2024	The site appears to remain largely unchanged.

3.4 PREVIOUS SITE INVESTIGATIONS

Minesoils is not aware of any previous contamination assessments that have been completed for the site. However, investigations of soil for the purposes of completing a Soils, Land and Agriculture Impact Assessment (SLAIA) were undertaken by Minesoils in 2023 as part of the EIS. The results of these investigations are presented in **Section 4**.

4 GEOLOGICAL AND HYDROGEOLOGICAL SETTING

4.1 REGIONAL GEOLOGY

The underlying geology of the region is a Mesozoic sedimentary basin known as the Clarence Moreton Basin. It formed by oblique extension of the underlying Paleozoic New England Orogen basement. It consists of continental deposits, starting with a small amount of Triassic coal beds, and then mostly Jurassic and Cretaceous sedimentary rocks. The Grafton Formation is the sedimentary unit in the core of the basin. It is the youngest of the beds, being between Late Jurassic and Early Cretaceous. It occurs from Grafton to Casino, including the amended Development Footprint, consisting of soft sandstone, siltstone and claystone (refer **Figure 5**).

The Development Footprint and its surrounds are characterised by the Ellangowan and Physics Lagoon soil landscapes (Morand, D. T., 2001). The Ellangowan soil landscape consists of undulating rises within the Ellangowan Hills on the Grafton Formation (lithic sandstone, siltstone, claystone and conglomerate). Slopes are generally 2 – 10% with relief 25 – 35 m and elevation 10 – 60 m. The Physics Lagoon soil landscape consist of alluvium of unknown depth derived predominantly from rocks of the Grafton Formation (sandstone, siltstone, claystone, conglomerate) and the Kangaroo Creek Sandstone (quartz sandstone). Sand deposits are common and have been interpreted as prior streams.

4.2 SOIL LANDSCAPES

The Project lies within the Soil Landscapes of the Woodburn 1:100 000 Sheet (Morand, 2001). Soil landscapes are an inventory of soil and landscape information with relatively uniform land management requirements, allowing major soil and landscape qualities and constraints to be identified.

The soil landscapes within the Project Area, retrieved from the NSW regional soil mapping, are shown on **Figure 6** and described below.

Physics Lagoon Soil Landscape

Landscapes consist of undulating stagnant alluvial plain forming the mid-section of the Bungawalbin catchment. Slopes 1 – 5%; local relief 150 cm), Slopes 1 – 5%; local relief <5 m; elevation 10 – 20 m. A complex and poorly drained landscape that includes plains, backplains, floodouts, prior streams, swamps and terrace surfaces. Partially cleared, tall eucalypt open forest.

Soils are characterised by deep (>150 cm), poorly drained Grey Kurosols (Gleyed Podzolic Soils) and deep (>150 cm), poorly drained Redoxic and Oxyaquic Hydrosols (Humic Gleys) . Deep (>150 cm), rapidly drained Aeric Podosols (Podzols; Humus Podzols) and Tenosols (Siliceous Sands) occur within landscape variants.

Ellangowan Soil Landscape

Landscapes consist of undulating rises within the Ellangowan Hills on the Grafton Formation (lithic sandstone, siltstone, claystone and conglomerate). Slopes 2 – 10%; relief 25 – 35 m; elevation 10 – 60 m. Partially cleared, tall open-forest, previously logged.

Soils consist of moderately deep to deep (>100 cm), poorly drained Grey and Brown Kurosols and Kandosols (Gleyed Podzolic Soils and Yellow Podzolic Soils) on hillslopes and crests. Moderately deep to deep (>100 cm), well-drained Chernic Tenosols (Siliceous Sands) on areas of gravels. Moderately deep to deep (>100 cm), poorly drained Yellow and Brown Kurosols (Yellow Podzolic Soils) within landscape variants.

Cahills Road Soil Landscape

Landscapes consist of rolling low hills on predominantly iron-indurated sandstones of the Grafton Formation (sandstone, siltstone, claystone and conglomerate). Relief 30 – 50 m; slopes 5 – 15%, 25% on upper slopes; elevation 50 – 120 m. Partially cleared, tall open-forest and woodland, previously logged.

Soils are shallow to moderately deep (50 – 80 cm), moderately well-drained Red and Brown Kurosols/ Chromosols (Red and Yellow Podzolic Soils) on upper slopes and moderately deep to deep (70 – 150 cm), moderately well-drained Red and Brown Kurosols/ Chromosols (Red and Yellow Podzolic Soils) on mid to lower slopes. Shallow to deep (>50 cm), moderately well-drained Red Kandosols (Red Podzolic Soils) within variants

4.3 SOIL TESTING FOR AGRICULTURAL IMPACT ASSESSMENT PURPOSES

. Minesoils carried out soil sampling as part of the SLAIA in August 2023. Samples were collected and analysed for parameters such as pH, electrical conductivity (EC), particle size, cation exchange capacity (CEC), exchangeable sodium percentage (ESP), calcium/magnesium (Ca/Mg) ratio, and Emerson Aggregate Test (EAT), which has been summarised below. The report is attached to the EIS as Appendix H (Minesoils 2024).

4.3.1 SOIL SAMPLING

Minesoils conducted soil sampling at 39 locations across the amended Development Footprint resulting in a survey intensity of 1 site per <25 ha. Soil profiles were assessed in accordance with the Australian Soil and Land Survey Field Handbook soil classification procedures. Detailed soil profile descriptions were recorded covering the major parameters specified in **Table 2** below. Soil profile logging was undertaken in the field using Minesoils soil data sheets, including GPS recordings and photographs of the landforms and soil profiles. Soils were keyed out in accordance with the Australian Soil Classification (ASC) Third Edition (2008) (Isbell R. F.2021).

Table 2 Detailed Soil Profile Description Parameters (Minesoils 2024)

Detailed Field Assessment Parameters	
Horizon depth including distinctiveness and shape	Pan presence and form
Field texture grade	Permeability and drainage
Field colour (Munsell colour chart)	Field pH
Pedality structure, grade and consistence	Field moisture
Soil fabric and stickiness	Surface condition
Stones (abundance and size)	Landform pattern / element
Mottles (amount, size and distinctiveness)	Current land use and previous disturbance
Segregations (abundance, nature, form and size)	Vegetation

Soil samples were collected at each of the assessment site's soil horizons to a depth of 1 m, with a total of 128 samples collected. 49 of these were considered representative and subject to laboratory testing.

4.3.2 SOIL ANALYSIS

Soil Mapping Units

The soil survey undertaken by Minesoils found the Project Area to contain five dominant soil mapping units, as shown on **Figure 7**:

- Soil Unit 1: Chromosols – covering 55 ha.

- Soil Unit 2: Kurosols – covering 191 ha.
- Soil Unit 3: Sodosols – covering 147 ha.
- Soil Unit 4: Dermosols – covering 339 ha.
- Soil Unit 5: Kandosols – covering 71 ha.

Soil Unit 1: Chromosols

Soil Unit 1 is characterised by Chromosols, which are defined as soils with a clear or abrupt textural B horizon and in which the major part of the upper 0.2 m of the B2 horizon (or the major part of the entire B2 horizon if it is less than 0.2 m thick) is not sodic and not strongly acid. Soils with strongly subplastic upper B2 horizons are also included even if they are sodic.

This unit is characterised by loam topsoils with moderate structure overlying heavy clay subsoils with strong structure. pH is consistently moderately acidic with strong acidity occurring in the lower subsoil. These soils are consistently non-saline and non-sodic, mottled, imperfectly drained and deep.

This soil mapping unit occurs in close association with Soil Unit 1: Kurosols and Soil Unit 3: Sodosols, occupying undulating lower to mid slope areas.

Soil Unit 2: Kurosols

Soil Unit 2 is characterised by Kurosols, which, as outlined in Section 3.2.1, are soils with a clear or abrupt textural B horizon and in which the major part of the upper 0.2 m of the B2t horizon (or the major part of the entire B2t horizon if it is less than 0.2 m thick) is strongly acid.

This unit is characterised by loam, clay loam and silty loam topsoils with weak to moderate structure overlying light to heavy clay subsoils with moderate to strong structure. pH is consistently moderately to strongly acidic in the topsoil with strongly acidic subsoils, which are occasionally sodic. These soils are consistently non-saline, mottled, poorly to imperfectly drained and deep.

This soil mapping unit occurs in close association with Soil Unit 2: Sodosols and Soil Unit 3: Kurosols, occupying undulating lower to mid slope areas and open plains.

Soil Unit 3: Sodosols

Soil Unit 3 is characterised by Sodosols, which are defined as soils with a clear or abrupt textural B horizon and in which the major part of the upper 0.2 m of the B2 horizon (or the major part of the entire B2 horizon if it is less than 0.2 m thick) is sodic and not strongly acid. Soils with strongly subplastic upper B2 horizons are excluded.

This unit is characterised by loam and silty loam topsoils with weak to moderate structure overlying light-medium to heavy clay subsoils with moderate to strong structure. pH ranges from moderately and strongly acidic in the topsoil to moderately acidic in the upper B subsoil, occasionally trending to strongly acidic at depth. These soils are generally non-saline, with some exceptions of slightly to moderately saline subsoils. Soil profile drainage is imperfect and depth is generally deep. The sodic nature of this unit presents an increased management risk.

This soil mapping unit covers the lower, mid and upper slopes and crests that characterise the Project Area.

Soil Unit 4: Dermosols

Soil Unit 4 is characterised by Dermosols, which are defined as soils which:

1. Have B2 horizons that have a grade of pedality greater than weak throughout the major part of the horizon, and
2. Do not have clear or abrupt textural B horizon.

This unit is characterised by silty clay, silty clay loam and clay topsoils with moderate to strong structure overlying medium to heavy clay subsoils with strong structure. pH ranges from strongly acidic to mildly alkaline. These soils

are generally non saline, with an exception of the minor, sporadic presence of highly saline soil. Sodicity ranges from non-saline to strongly sodic. Soil profiles are imperfectly drained, and depth is anticipated to be very deep.

This soil mapping unit is the most dominant within the Project Area and occurs on open drainage plains.

Soil Unit 5: Kandosols

Soil Unit 5 is characterised by Kandosols, which are soils which have all of the following:

1. B2 horizons in which the major part has a grade of pedality that is massive or weak.
2. A maximum clay content in some part of the B2 horizon which exceeds 15% (i.e.. heavy sandy loam [SL+] or heavier).
3. Do not have a clear or abrupt textural B horizon.
4. Are not calcareous throughout the solum, or below the A1 or Ap horizon or to a depth of 0.2 m if the A1 horizon is only weakly developed.

This unit is characterised by sand, sandy loam, loam and loamy sand profiles with weak to moderate topsoils and massive or weakly structured subsoils, which are consistently non-saline, strongly acidic, and generally sodic. Soil profile drainage ranges from well to imperfectly drained, and depth is anticipated to be very deep.

This soil mapping unit occurs on open drainage plains in close association with Soil unit 4.

4.4 GROUNDWATER DEPENDENT ECOSYSTEMS

Groundwater Dependant Ecosystems (GDEs) contain three types of ecosystems as described by the GDE Atlas (BOM 2025a):

- **Aquatic** ecosystems that rely on the surface expression of groundwater—including surface water ecosystems which may have a groundwater component, such as rivers, wetlands and springs.
- **Terrestrial** ecosystems that rely on the subsurface presence of groundwater including all vegetation ecosystems.
- **Subterranean** ecosystems—including cave and aquifer ecosystems.

The GDE Atlas maps the ecosystem type and describes the ecosystems in terms of their 'potential to be interacting with groundwater' and the likelihood that a landscape is accessing a source of water in addition to rainfall (that it is an inflow dependent ecosystem (IDE)). The potential is classed into high, moderate and low potential for groundwater interaction.

According to the GDE Atlas, the project area contains Terrestrial ecosystems with low, moderate and high potential GDE, under regional assessment, and Aquatic ecosystems with moderate potential GDE, under national assessment. The area has not been assessed for subterranean ecosystems.

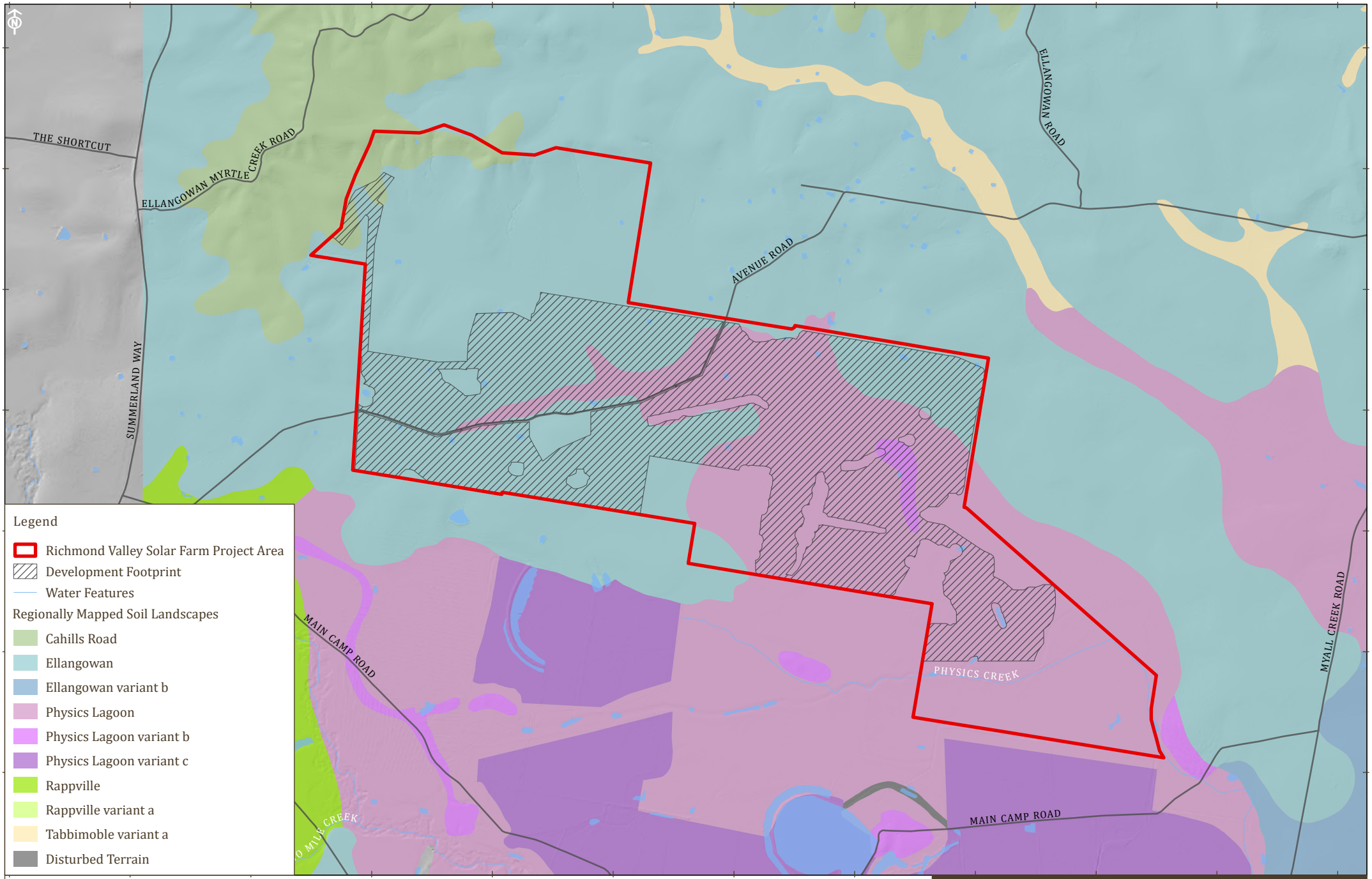
4.5 GROUNDWATER BORES

A search of the Water NSW Registered Groundwater Data Map in May 2025 shows 17 registered bores within a 2km buffer of the Project Area, as listed below in **Table 3**, and also included within the LotSearch Report, refer page 30-31 in **Appendix 1**.

The drilled depth of each of the bores within 2 km of the site ranges from 6.0 to 102.0 metres below ground surface (mBGS).

Table 3 Groundwater Bores Identified Within 2 km of the Project Area

Bore ID	Bore depth (mBGS)	Purpose	Status	Distance (approx.) and direction from site
GW073357	18.0	Water Supply	Functioning	47m southeast
GW300918	6.0	Monitoring	Unknown	63m southeast
GW073358	21.0	Water Supply	Unknown	64m southeast
GW300927	27.5	Irrigation	Unknown	491m southeast
GW306605	102.0	Water Supply	Abandoned	571m northeast
GW300924	18.3	Irrigation	Unknown	591m southeast
GW300911	10.5	Monitoring	Unknown	765m south
GW300926	29.0	Irrigation	Unknown	831m south
GW073356	29.0	Water Supply	Functioning	878m south east
GW300917	27.0	Monitoring	Unknown	915m south
GW306606	102.0	Water Supply	Functioning	990m north east
GW300919	6.0	Monitoring	Unknown	1012m south east
GW300920	19.8	Monitoring	Unknown	1012m south east
GW059098	-	Irrigation	Unknown	1147m south east
GW059097	-	Irrigation	Unknown	1172m south east
GW300925	25.0	Irrigation	Unknown	1295m south east
GW039170	17.2	Monitoring	Unknown	1966m west



MINESOILS
LAND & REHABILITATION SPECIALISTS

GDA 1994 MGA Zone 56

0 500 1000 1500 Meters

Scale 1:40,000 at A4

Regional Soil Landscapes

FIGURE 6

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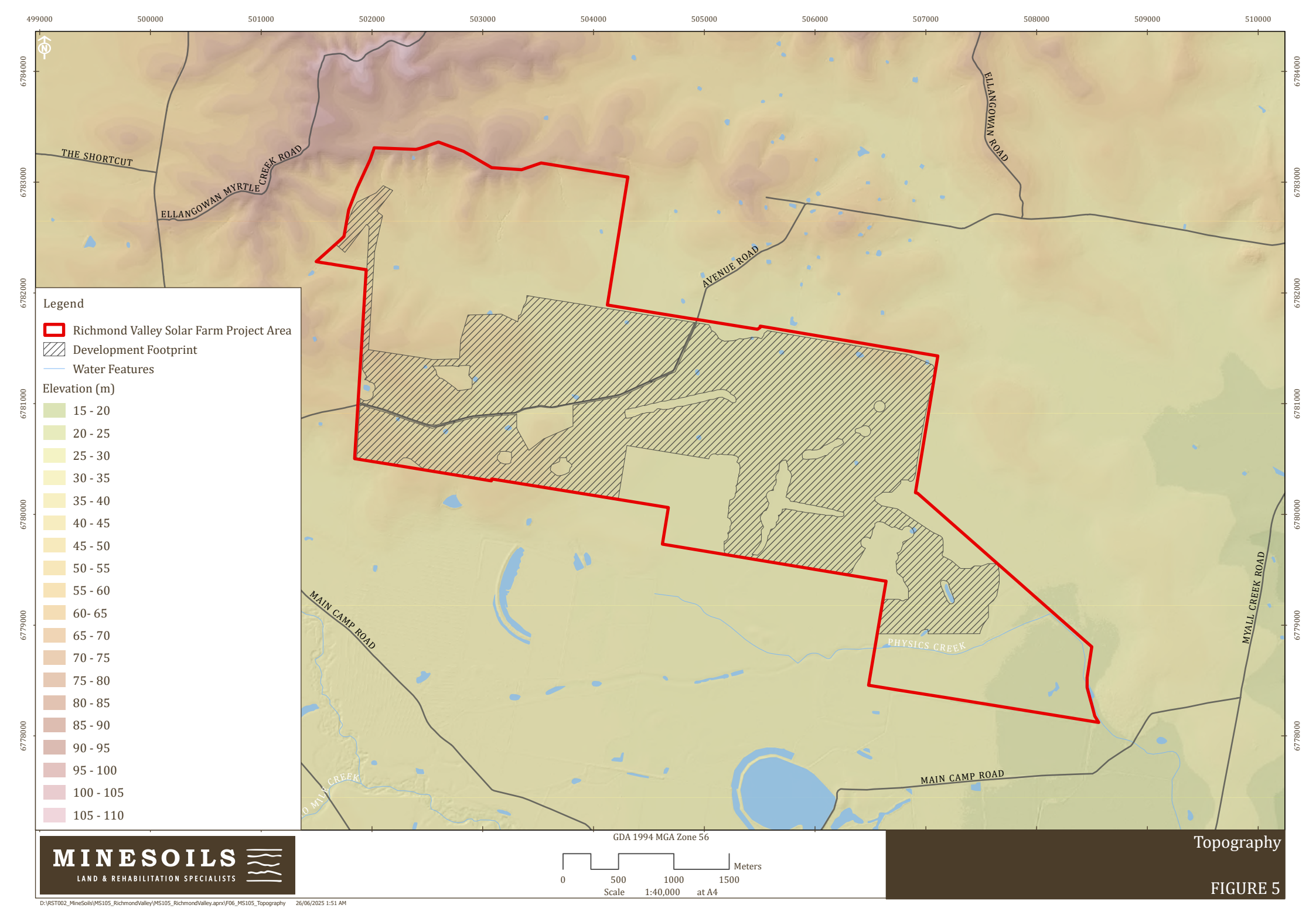
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AVENUE ROAD
MAIN CAMP ROAD
PHYSICS CREEK
MYALL CREEK ROAD
MAIN CAMP ROAD
Legend
Richmond Valley Solar Farm Project Area
Development Footprint
Water Features
Elevation (m)
15 - 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60- 65
65 - 70
70 - 75
75 - 80
80 - 85
85 - 90
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100 - 105
105 - 110
MINESOILS
LAND & REHABILITATION SPECIALISTS
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Topography
FIGURE 5
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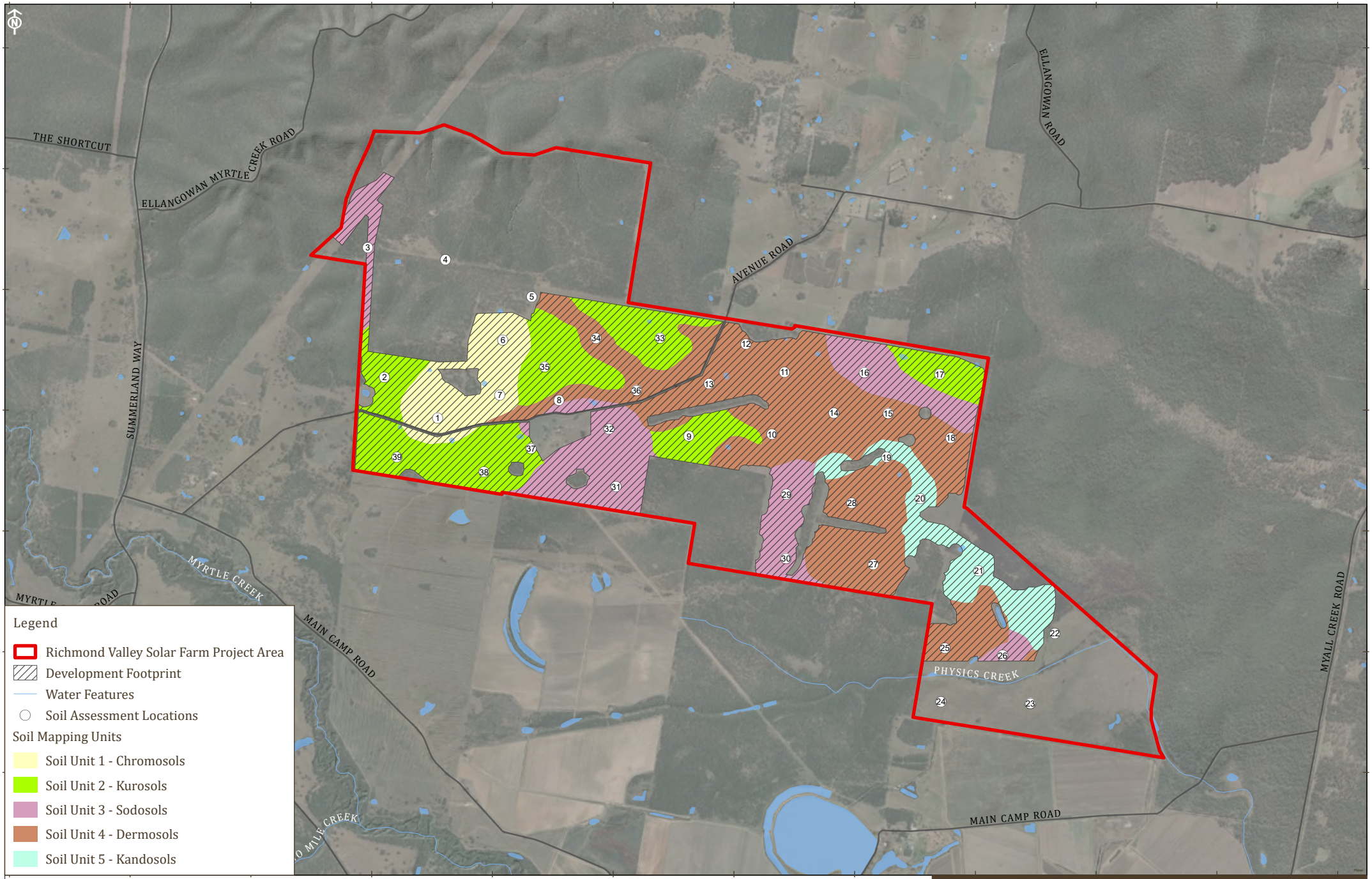
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THE SHORTCUT
ELLANGOWAN MYRTLE CREEK ROAD
ELLANGOWAN ROAD
AVENUE ROAD
SUMMERLAND WAY
MYRTLE CREEK
MAIN CAMP ROAD
PHYSICS CREEK
MYALL CREEK ROAD
MAIN CAMP ROAD
Legend
Richmond Valley Solar Farm Project Area
Development Footprint
Water Features
Soil Assessment Locations
Soil Mapping Units
Soil Unit 1 - Chromosols
Soil Unit 2 - Kurosols
Soil Unit 3 - Sodosols
Soil Unit 4 - Dermosols
Soil Unit 5 - Kandosols
MINESOILS
LAND & REHABILITATION SPECIALISTS
GDA 1994 MGA Zone 56
Meters
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Scale 1:40,000 at A4
Soil Mapping Units
FIGURE 7
D:\RST002_MineSoils\MS105_RichmondValley\MS105_RichmondValley.aprx\F13_MS105_SMUs 26/06/2025 2:02 AM

5 SITE INSPECTION

As noted in **Section 1.4**, this PSI is limited to a desktop review and therefore, did not involve a site inspection. However, Minesoils were previously engaged to conduct a SLAIA (Minesoils 2024) that involved a site visit which has been referenced as part of this review. During the visit, infrastructure associated with agricultural activities were inspected which include the storage and use of chemicals and fertilisers (refer to below Plates). Generally, built structures and potential sources of contamination occur within the Project Area but outside of the amended Development Footprint. Although the SLAIA did not include testing specifically for contamination, no signs of contamination were observed during general soil testing. No odorous soil was reported, and no indicators of poor soil health were identified.

Plate 1: The amended Development Footprint generally consists of pastures used for livestock grazing.

Plate 2: Built structures within the amended Development Footprint are generally limited to gates and livestock fencing.

Plate 3: The amended Development Footprint contains one stock yard.

Plate 4: Built structures within the Project Area but outside of the amended Development Footprint include stock yards.

Plate 5: Built structures within the Project Area but outside of the amended Development Footprint include shedding, water tanks, silos and agricultural equipment.

Plate 6: Chemicals and fertilisers were observed to be appropriately stored in designated areas outside of the amended Development Footprint.

6 PRELIMINARY CONCEPTUAL SITE MODEL(CSM)

6.1 GENERAL

This CSM has been developed based on the information obtained from the desktop review, along with the previous site inspections and studies prepared in support of the EIS. The purpose of the CSM is to identify potential contaminants, contamination sources, migration and exposure pathways and sensitive receivers within the Project Area and assess the need for further investigation.

It is important to note that this CSM is preliminary and constrained due to the following limitations:

- Intrusive investigations at the site have not been undertaken and therefore there is potential for unidentified soil, surface water and/or groundwater contamination to exist on site
- Other receptors may be present at the site that have lower exposure than the most sensitive environmental receptor potentially exposed and considered in this CSM
- This preliminary CSM should be updated/reviewed where site conditions materially change or if further information pertaining to the contamination status of the site is identified
- All information pertaining to the contamination status of the site has been obtained through public record searches and site inspections at the project site. All documents and information in relation to the project site, which were obtained from public records, are accepted to be correct and have not been independently verified or checked.

6.2 SOURCES OF CONTAMINATION

The potential contaminants and sources of contamination described below are based on the availability of historical data and aerial photographs, as well as an understanding of current site conditions.

6.2.1 AGRICULTURAL USE

Agricultural infrastructure, e.g. farm sheds and chemical/fertiliser storage, are present on site and have historically been used for agricultural activities, including livestock farming and grazing. Potential contaminants associated with this infrastructure include asbestos containing materials, lead-based paints, lead containing dust, pesticides, herbicides, hydrocarbons, heavy metals, fertilisers and animal waste. These contaminants have the potential to contribute to localised contamination of surface soils and water bodies.

Further, activities associated with the management of animal health, including cattle dips or spraying for the control of parasites, could also result in the localised contamination of surface soil and water bodies. One cattle dip site was recorded on the northern boundary, and although no longer operational, it was likely a source of localised contamination. Potential contaminants include pesticides, hydrocarbons, heavy metals, and elevated nutrients.

6.2.2 CROPPING ACTIVITIES

Cropping activities, e.g. fodder cropping, are likely to have required the use of chemicals such as fertilisers and pesticides in the maintenance of the crops. Potential contaminants associated with these chemicals include heavy metals, organochlorine and organophosphate pesticides. Intensive use of fertiliser can also lead to the build-up of heavy metals in surface soil particularly zinc and cadmium, depending on the type and source of the fertiliser.

6.2.3 PLANT AND EQUIPMENT

The operation of plant and equipment is generally required for agricultural activities including applications such as transportation, earth moving, fertiliser application and pumping water. Potential contaminants include hydrocarbons and heavy metals. The use, storage, maintenance and refuelling of plant and equipment (including consumable materials) has the potential to contribute to localised contamination of surface soils.

6.2.4 UNCLASSIFIED FILL OR UNCONTROLLED DISPOSAL OF WASTE

The importation of unclassified fill and the uncontrolled disposal of waste at the site is a potential source of contamination. Potential contaminants include heavy metals, hydrocarbons and asbestos. Based on the desktop review, there is no evidence to suggest that significant quantities of fill material have historically been imported to the site for levelling or construction purposes. There is also no evidence to suggest that large quantities of domestic or demolition waste have been illegally disposed of at the site, therefore, contamination from unclassified fill and the uncontrolled disposal of waste are considered minor as a potential source of contamination.

6.2.5 FLOODWATER

The low-lying topography of the site, relative to its surrounds, suggest that it may be prone to receiving surface water from neighbouring properties during heavy rainfall events. As some neighbouring properties undertake agricultural activities, including livestock grazing, contamination from these activities has the potential to enter the site. As mentioned above, in **Section 6.2.1**, potential contaminants associated with agricultural use include pesticides, herbicides, hydrocarbons, heavy metals, fertilisers and animal waste. These contaminants have the potential to contribute to localised contamination of surface soils and water bodies.

6.3 CONTAMINANTS OF POTENTIAL CONCERN

Considering the above sources of contamination, a variety of contaminants of potential concern (COPCs) may be present on site. As the primary source of contamination stems from agricultural activities, the most likely contaminants are residues in soil from the extensive application of agricultural chemicals, such as pesticides and fertilisers in the form of inorganic compounds containing heavy metals including arsenic, cadmium, copper, lead and mercury. The presence of hydrocarbons and heavy metals in soils are also likely due to the use of fuels and lubricants associated with onsite plant and equipment.

Based on this understanding of the site history and activities, the COPCs identified for the investigation of the project site include:

- Herbicides and pesticides (organochlorines, organophosphates)
- Hydrocarbons (mainly fuel and lubricants)
- Heavy metals (arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni) and zinc (Zn)

6.4 POTENTIAL TRANSPORT MECHANISMS

Identified potential transport mechanisms for the COPCs include:

- Presence of contamination in soil near surface or at depth
- Migration of contaminants in groundwater to surface water receiving bodies
- Leaching of soil contaminants to groundwater
- Migration of groundwater and/or surface water (as overland flow) from the site
- Volatilisation and lateral and/or vertical vapour migration of volatile organic compounds and subsequent inhalation.

6.5 EXPOSURE PATHWAYS

Identified potential exposure pathways by which receivers could be exposed to the COPCs include:

- Inhalation of dust or vapours
- Ingestion of contaminated soils
- Dermal contact with contaminated soil or surface water
- Sedimentation and discharge to surface waters

- Vertical and horizontal migration of contamination through the soils into the underlying groundwater.

6.6 RECEIVERS

Identified potential receivers of the COPCs include both human and environmental receivers. Human receivers include construction workers, visitors to the site (e.g. workers conducting maintenance, contractors, members of the public) and workers conducting agricultural activities on the project site. Environmental receivers include plants, animals and insects for which the site provides habitat, local drainage channels and receiving surface water bodies and groundwater resources beneath the site.

6.7 POTENTIAL FOR CONTAMINATION

Although current and historical land uses at the site have the potential for contaminating surface soils, surface water and groundwater, it is unlikely that they would have resulted in significant contamination as the typical quantities of products required for the agricultural land uses undertaken within the Disturbance Footprint is relatively small. Further, as the project site is not listed in any of the contaminated land databases, the overall likelihood for significant contamination to be present within the site is considered very low.

7 INTEGRITY ASSESSMENT

The desktop review was completed by accessing publicly available information from the following sources:

- Lotsearch Report (Lotsearch, 2025)
- Previous investigations (Minesoils, 2024)
- NSW Government Spatial Services Historical Imagery
- Google Earth Imagery
- Google Maps Imagery
- Online EPA databases
- Online BoM databases

Information obtained from the Lotsearch Report (2025) is considered to be accurate at the date the report was received. Minesoils did not complete an inspection of the site for the purposes of a contamination assessment. Based on the available information regarding the current and former use of the site and surrounds, Minesoils considers there is a low risk of not accurately identifying Areas of Potential Concern and COPCs within the site boundaries.

8 CONCLUSIONS AND RECOMMENDATIONS

8.1 CONCLUSIONS

Following the desktop review based on the available information accessed and contained within this PSI, the following conclusions have been made:

- Contamination has the potential to exist within the Project Area in surface soils, surface water and ground water as a result of historical and current land use activities.
- The potential COPCs include:
    - Herbicides and pesticides (organochlorines, organophosphates)
    - Hydrocarbons (mainly fuel and lubricants)
    - Heavy metals (arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni) and zinc (Zn)
- Historical information, including contaminated sites databases and aerial photographs as well as observations and findings from the Minesoils SLAIA, indicate that the overall likelihood for significant contamination to be present within the Project Area is very low.

8.2 RECOMMENDATIONS

Based on the findings of this PSI it can be stated with a reasonable level of confidence that the Project Area is suitable for the proposed development and land use. Further assessment of contamination is not considered necessary and, as no contamination has been identified, site remediation is not required.

Although available information accessed for the purpose of this PSI did not identify any contamination within the Project Area, it is possible that unidentified contamination exists. Therefore, Minesoils recommends that an Unexpected Finds Procedure (UFP) should be developed for managing potential contamination encountered during construction works. The UFP would include handling and disposal procedures in accordance with NSW EPA guidelines, Australian Standards, and relevant industry codes of practice. In addition, during construction of the Project, should excavated material be required to be removed offsite, it must be appropriately characterised in accordance with NSW EPA (2014) *Waste Classification Guidelines* prior to being removed.

9 REFERENCES

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BOM (2025b). Australian Groundwater Explorer. Accessed on 28 May 2025 at http://www.bom.gov.au/water/groundwater/explorer/map.shtml

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Isbell, R. F. (2021). The Australian Soil Classification Third Edition (CSIRO Publication, Australia)

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Managing Land Contamination Planning Guidelines SEPP 55 – Remediation of Land (Department of Urban Affairs and Planning, 1998).

Minesoils (2024). 23252_R14_MS-105_Richmond Valley Solar Farm_Soils Land and Agricultural Impact Assessment_Clean VersionV3

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and Water Conservation, Sydney

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NSW EPA (2020) Contaminated Land Guidelines: Consultants reporting on contaminated land. NSW Environment Protection Authority

NSW EPA (2025). Search the contaminated land record. Accessed on 28 May 2025 at https://app.epa.nsw.gov.au/prclmapp/searchregister.aspx

NSW Spatial Services (2025) Historical Imagery Viewer (portal.spatial.nsw.gov.au)

Umwelt (2024) Richmond Valley Solar Farm Environmental Impact Statement

Appendix 1
LotSearch Report

LOTSEARCH

LOTSEARCH ENVIRO LITE

Date: 16 May 2025 14:23:07

Reference: LS082022 EL

Address: 255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Dataset Listing

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

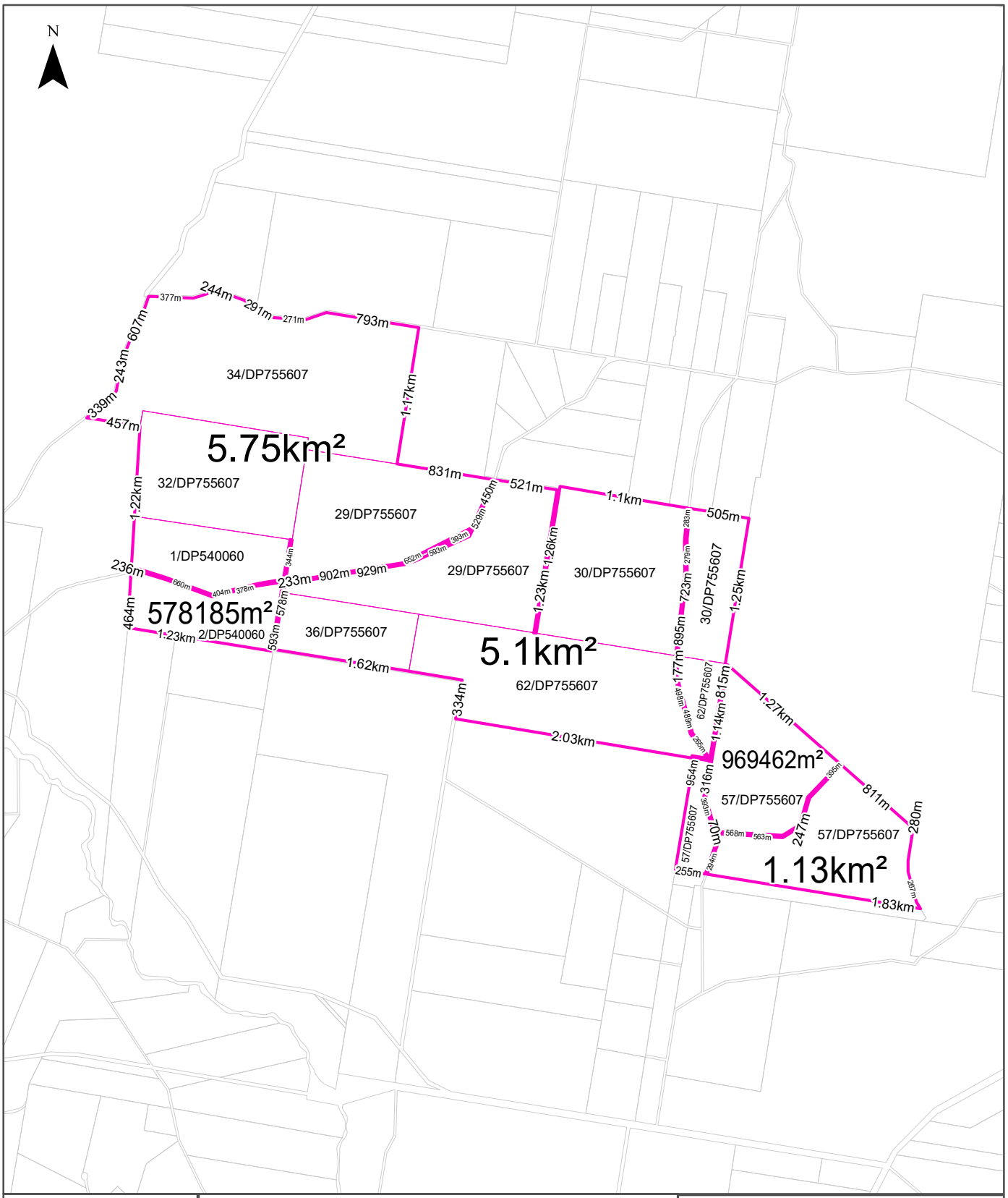
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	22/04/2025	22/04/2025	Monthly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	21/05/2024	21/05/2024	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority NSW	07/05/2025	09/04/2025	Monthly	1000m	0	0	0
Contaminated Land Records of Notice	Environment Protection Authority NSW	12/05/2025	12/05/2025	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority NSW	21/02/2025	14/07/2021	Quarterly	1000m	0	0	0
Notices under the POEO Act 1997	Environment Protection Authority NSW	28/04/2025	28/04/2025	Monthly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	29/04/2024	29/11/2022	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	28/04/2025	05/02/2025	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Australian Department of Defence	07/04/2025	28/10/2024	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Australian Department of Defence	07/04/2025	28/10/2024	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	07/04/2025	07/04/2025	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	18/02/2025	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	15/05/2025	15/05/2025	Monthly	1000m	0	0	0
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority NSW	15/05/2025	15/05/2025	Monthly	1000m	0	1	1
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority NSW	15/05/2025	15/05/2025	Monthly	1000m	4	4	4
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
Cattle dips of the Northern Rivers region	NSW Department of Primary Industries	15/10/2024	15/10/2024	Annually	1000m	0	1	1
Points of Interest	NSW Department of Customer Service - Spatial Services	18/02/2025	18/02/2025	Quarterly	1000m	1	2	3
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	18/02/2025	18/02/2025	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	18/02/2025	18/02/2025	Quarterly	1000m	0	0	0
Major Easements	NSW Department of Customer Service - Spatial Services	21/02/2025	21/02/2025	Quarterly	1000m	2	2	2
State Forest	Forestry Corporation of NSW	18/12/2024	11/11/2024	Annually	1000m	0	2	2

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Hydrogeology Map of Australia	Geoscience Australia	22/04/2025	19/08/2019	Annually	1000m	1	1	2
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	28/05/2024	20/06/2023	Annually	2000m	0	3	17
NSW Seamless Geology Single Layer: Rock Units	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	Annually	1000m	4	4	6
NSW Seamless Geology Single Layer: Geological Boundaries and Faults	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	Annually	1000m	0	0	1
NSW Seamless Geology Single Layer: Trendlines	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Fold Axes	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	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	3	3	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	4	4	9
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Housing and Infrastructure	16/04/2025	28/02/2025	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	03/06/2024	24/05/2024	Annually	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service	21/02/2025	21/02/2025	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Primary Industries and Regional Development	05/05/2025	05/05/2025	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Primary Industries and Regional Development	05/05/2025	05/05/2025	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Primary Industries and Regional Development	05/05/2025	05/05/2025	Monthly	1000m	9	9	9
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Housing and Infrastructure	16/04/2025	08/09/2023	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Housing and Infrastructure	16/04/2025	04/04/2025	Monthly	1000m	2	4	6
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	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	21/02/2025	17/12/2024	Quarterly	1000m	0	0	1
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Housing and Infrastructure	16/04/2025	04/04/2025	Monthly	1000m	0	0	1
Bush Fire Prone Land	NSW Rural Fire Service	23/04/2025	31/03/2025	Monthly	1000m	3	3	3
NSW Native Vegetation Type Map	NSW Department of Climate Change, Energy, the Environment and Water	26/02/2025	08/11/2024	Quarterly	1000m	88	120	467
Ramsar Wetlands of Australia	Australian Department of Climate Change, Energy, the Environment and Water	16/05/2024	11/04/2024	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	28/05/2024	28/05/2024	Annually	1000m	3	3	4
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/05/2024	28/05/2024	Annually	1000m	9	9	11
NSW BioNet Species Sightings	NSW Department of Climate Change, Energy, the Environment and Water	13/05/2025	13/05/2025	Monthly	10000m	-	-	-

Site Diagram

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 14.52km²

Total Perimeter: 45.26km

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: 0 225 450 900 1,350 1,800 2,250 Meters

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

Coordinate System: GDA 1994 MGA Zone 56

Date: 16 May 2025

Contaminated Land

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

Contaminated Land

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

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

Contaminated Land

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

Waste Management & Liquid Fuel Facilities

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

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

PFAS Investigation & Management Programs

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

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

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

EPA Activities

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Licensed Activities under the POEO Act 1997

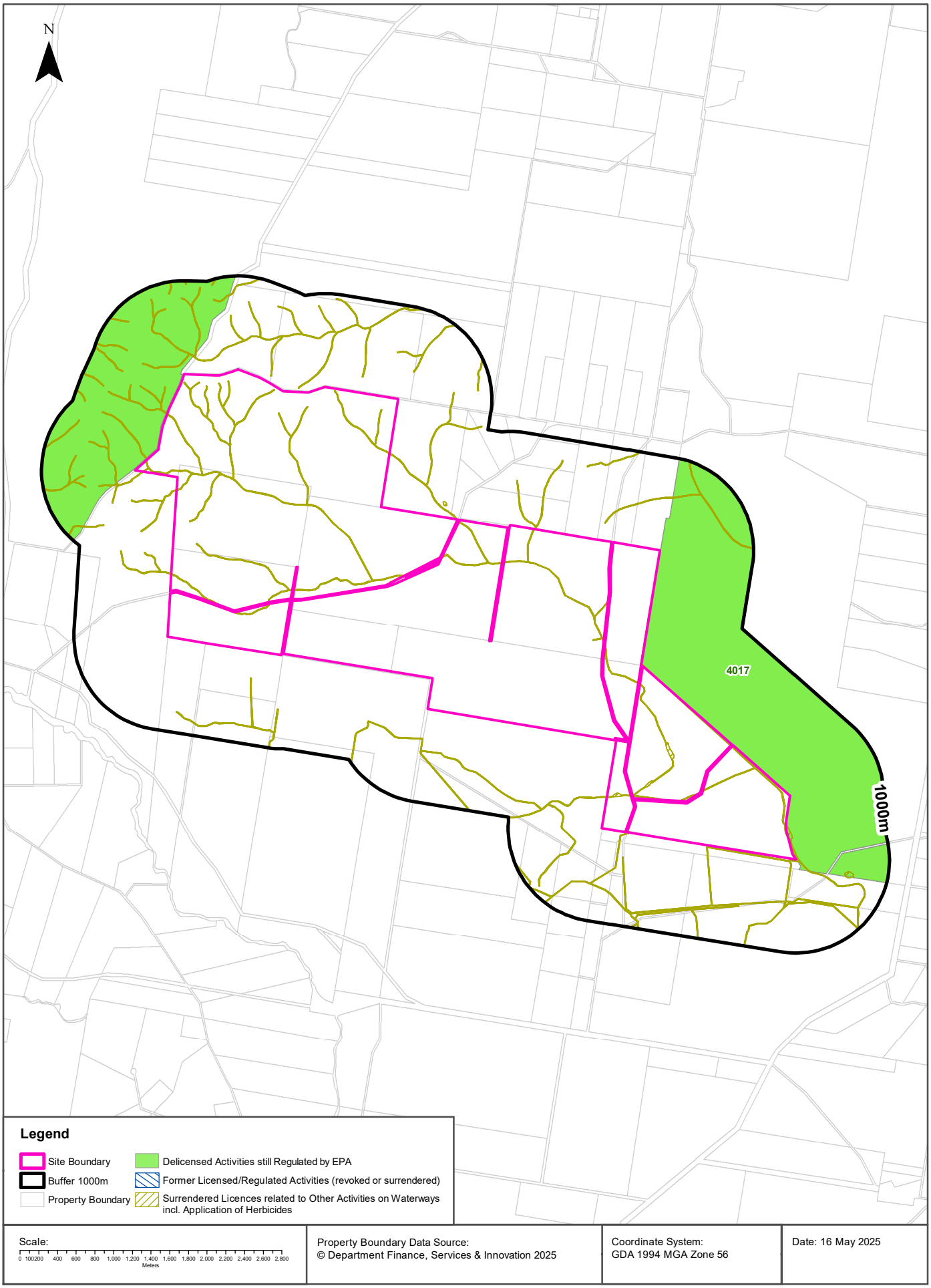
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

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

POEO Licence Data Source: Environment Protection Authority

Delicensed & Former Licensed EPA Activities

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



EPA Activities

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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
4017	FORESTRY CORPORATION OF NEW SOUTH WALES		WITHIN THE U.N.E.R. SHOWN ON MAP 1 TO THE NSW U.N.E.R. FOREST AGREEMENT GRANTED ON THE 5 MARCH 1999., COFFS HARBOUR, NSW 2450		Logging operations	Network of Features	0m	East

Delicensed Activities Data Source: 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
4292	FAR NORTH COAST COUNTY COUNCIL	COUNTY DISTRICT - LISMORE NSW 2480	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	On-site
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

Historical Business Directories

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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						

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					

Historical Business Directories

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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						

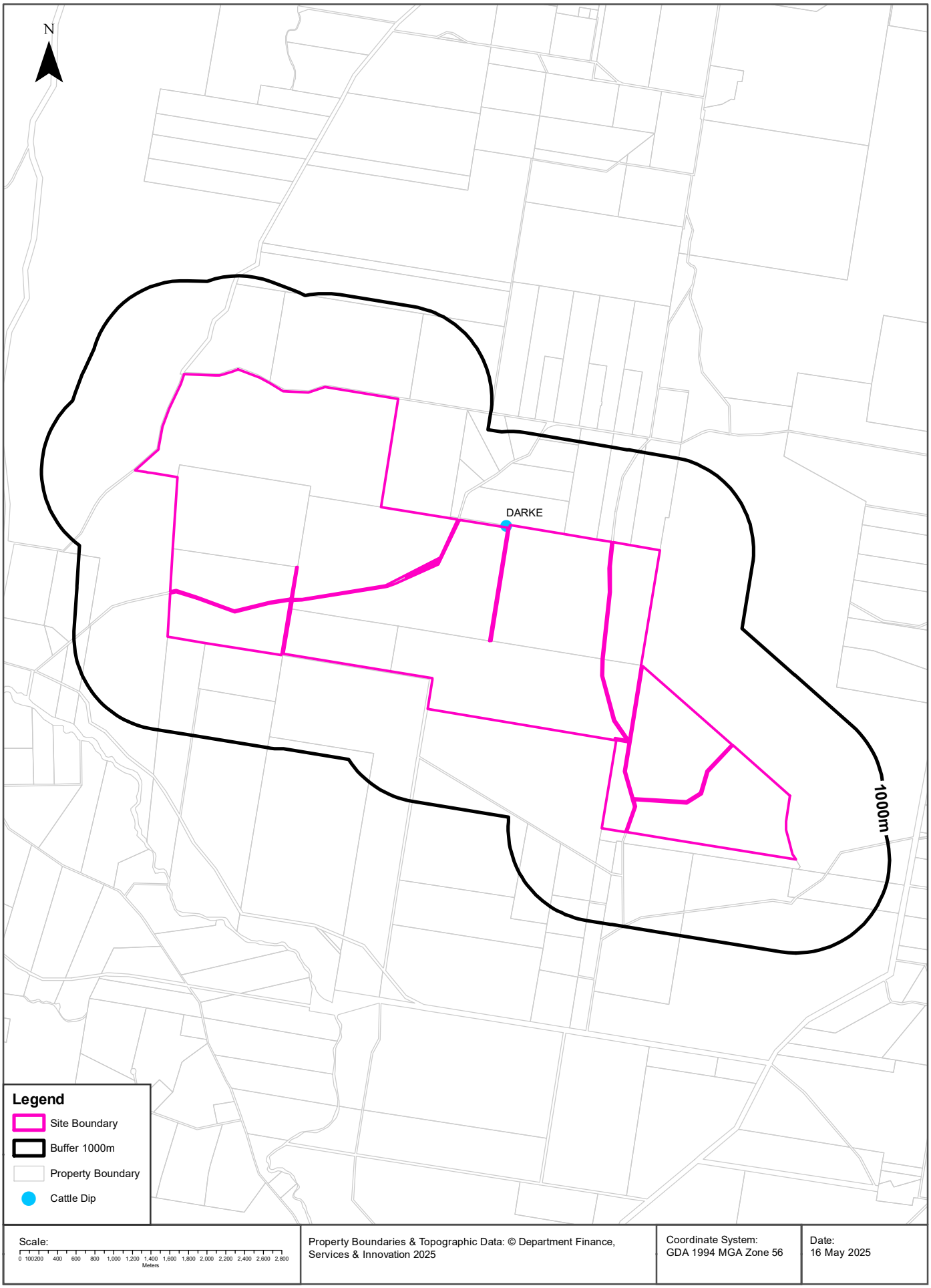
Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

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					

Cattle Dips of the Northern Rivers Region

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Cattle Dips

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Cattle Dips of the Northern Rivers Region

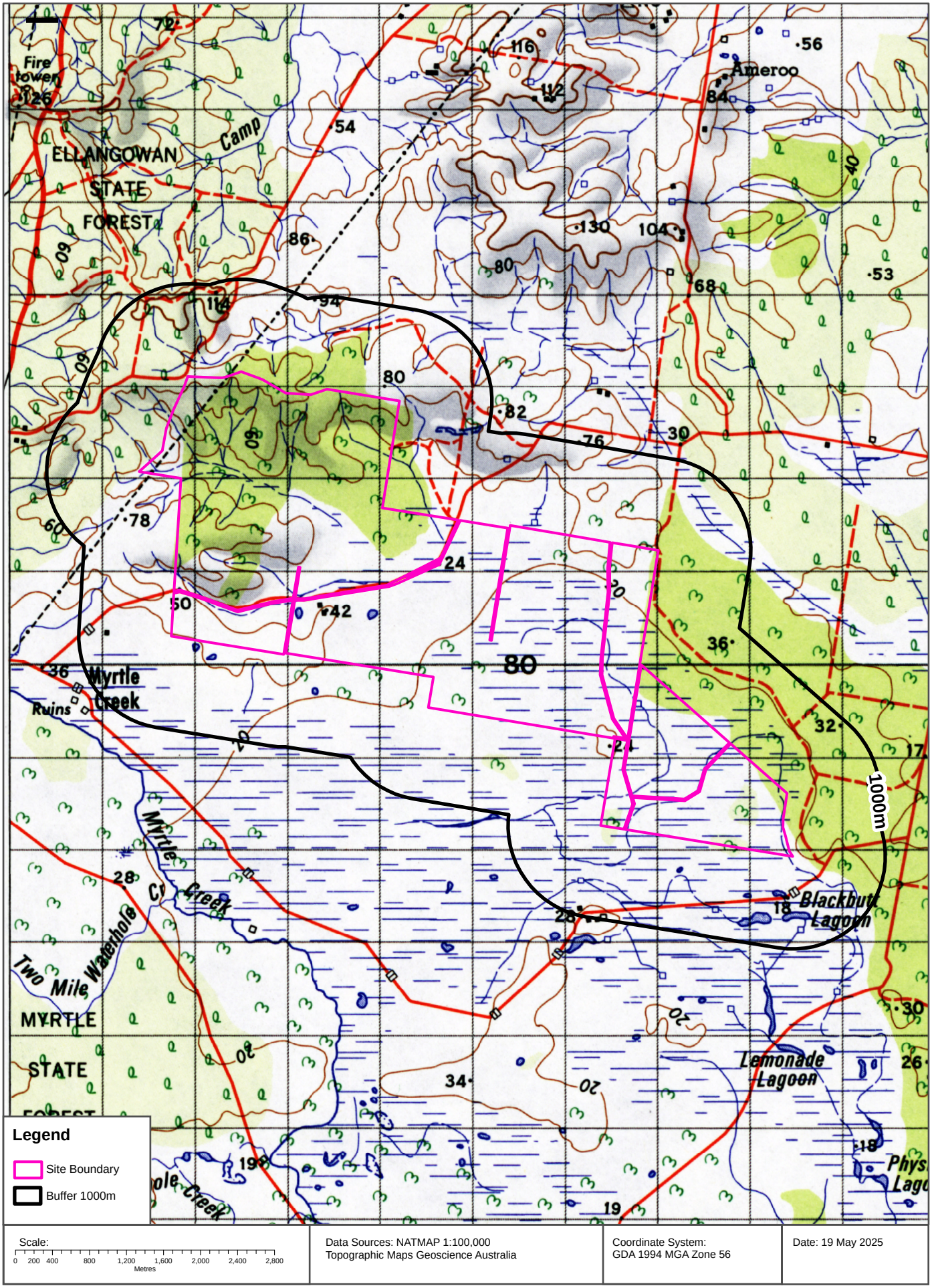
Cattle dip sites within the dataset buffer:

Dip Name	Road	Town	Dip Status	Licence / Lease Status	Licence / Lease Expiry Date	Distance	Direction
DARKE	TRACK OFF AVENUE ROAD	ELLANGOWAN	LAPSED	LAPSED	31/08/2004	13m	North East

Cattle dip site data provided by the NSW Department of Primary Industries.

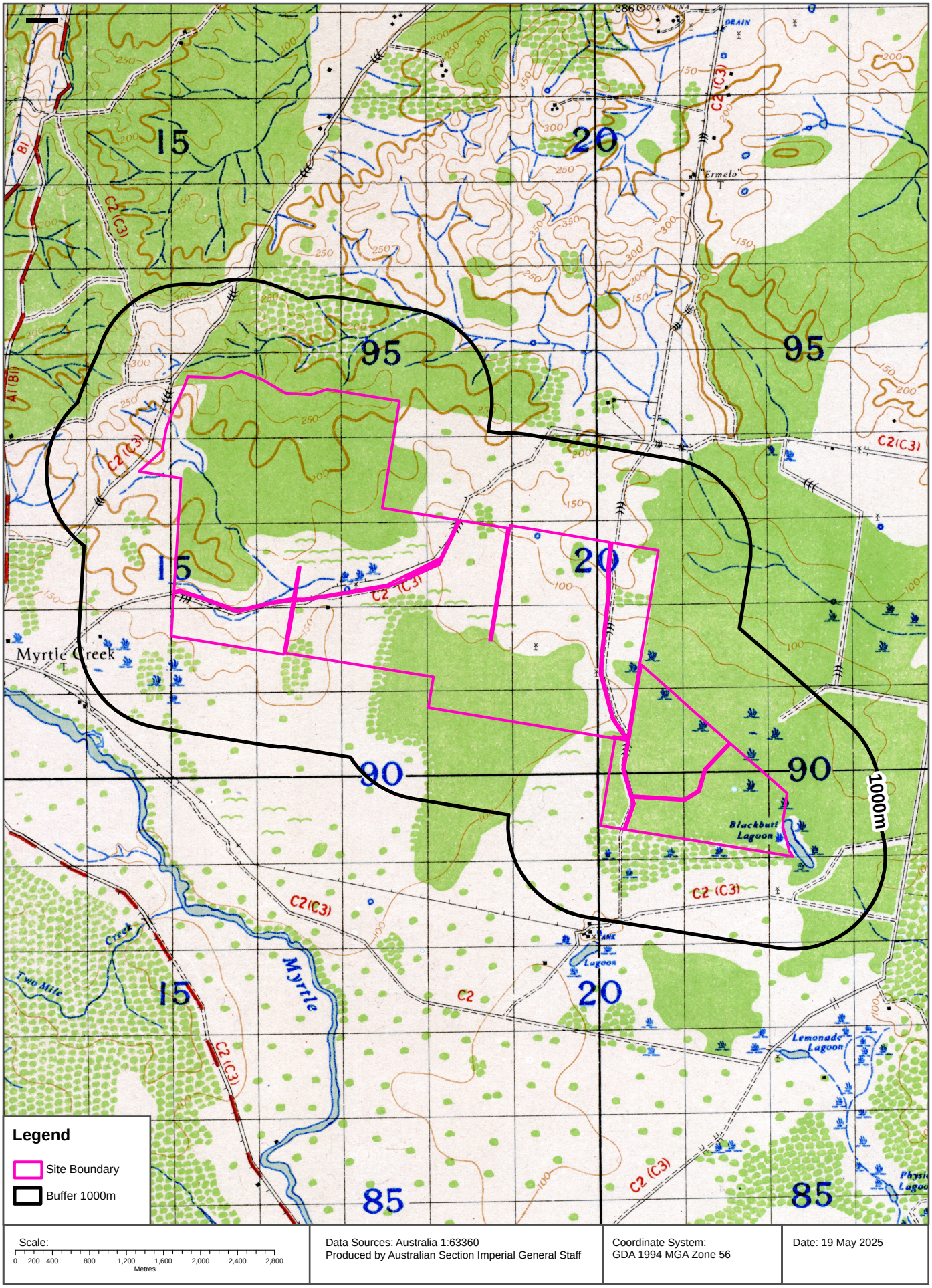
Historical Map 1969

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



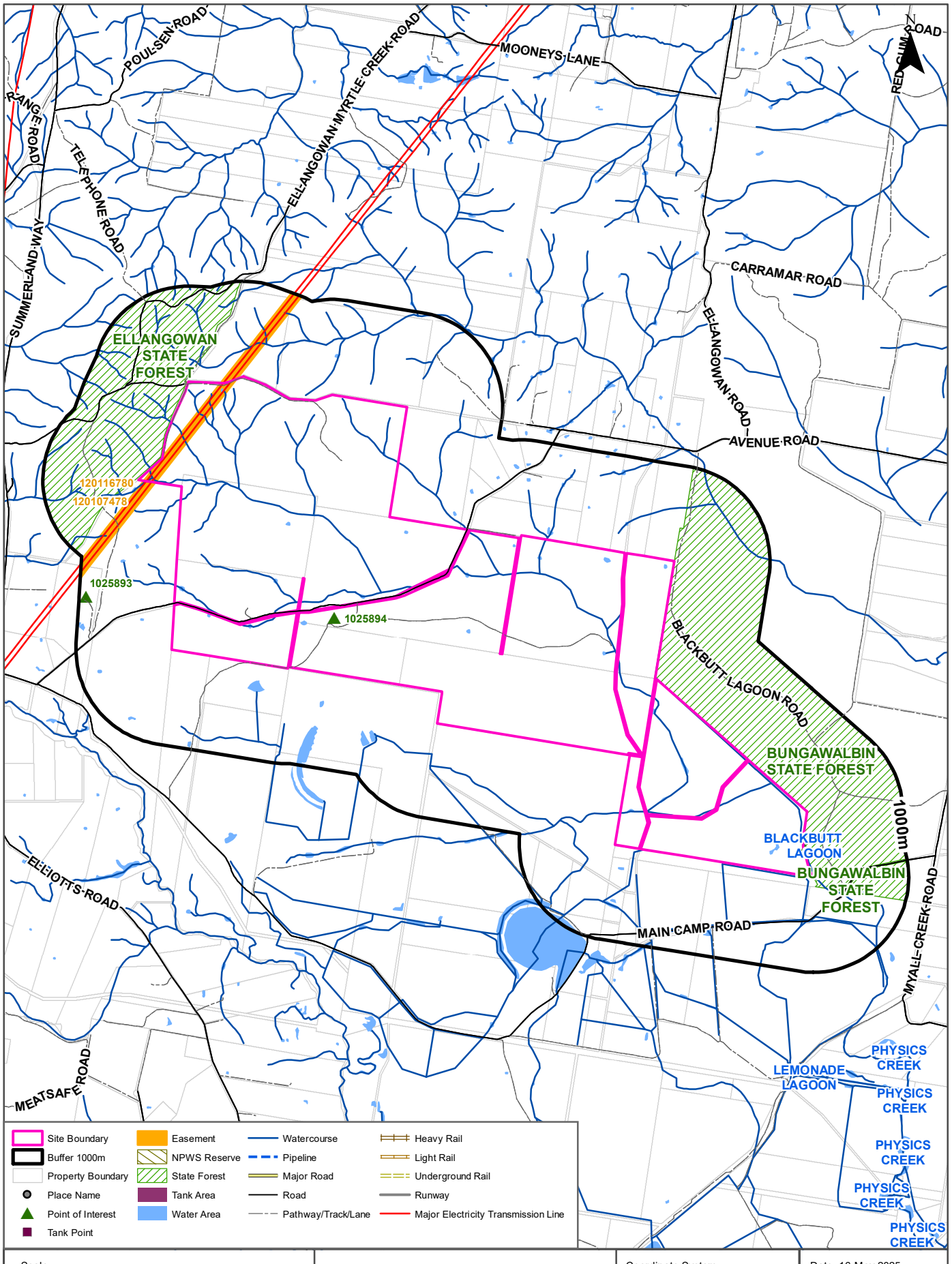
Historical Map c.1942

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Topographic Features

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Scale: 0 100200 400 600 800 1,000 1,200 1,400 1,600 1,800 2,000 2,200 2,400 2,600 2,800 Meters

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

Coordinate System: GDA 1994 MGA Zone 56

Date: 16 May 2025

Topographic Features

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1025894	Homestead	MELALEUCA	0m	On-site
978593	Natural Waterbody	BLACKBUTT LAGOON	13m	South East
1025893	Homestead	TOOBAROO	926m	West

Topographic Features

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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
N/A	No records in buffer					

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
120107478	Primary	Undefined		0m	On-site
120116780	Primary	Undefined		0m	On-site

Topographic Features

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
152	BUNGAWALBIN	0m	East
7	ELLANGOWAN	17m	North West

Elevation Contours (m AHD)

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Hydrogeology & Groundwater

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Porous, extensive aquifers of low to moderate productivity	0m	On-site
Porous, extensive highly productive aquifers	491m	West

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

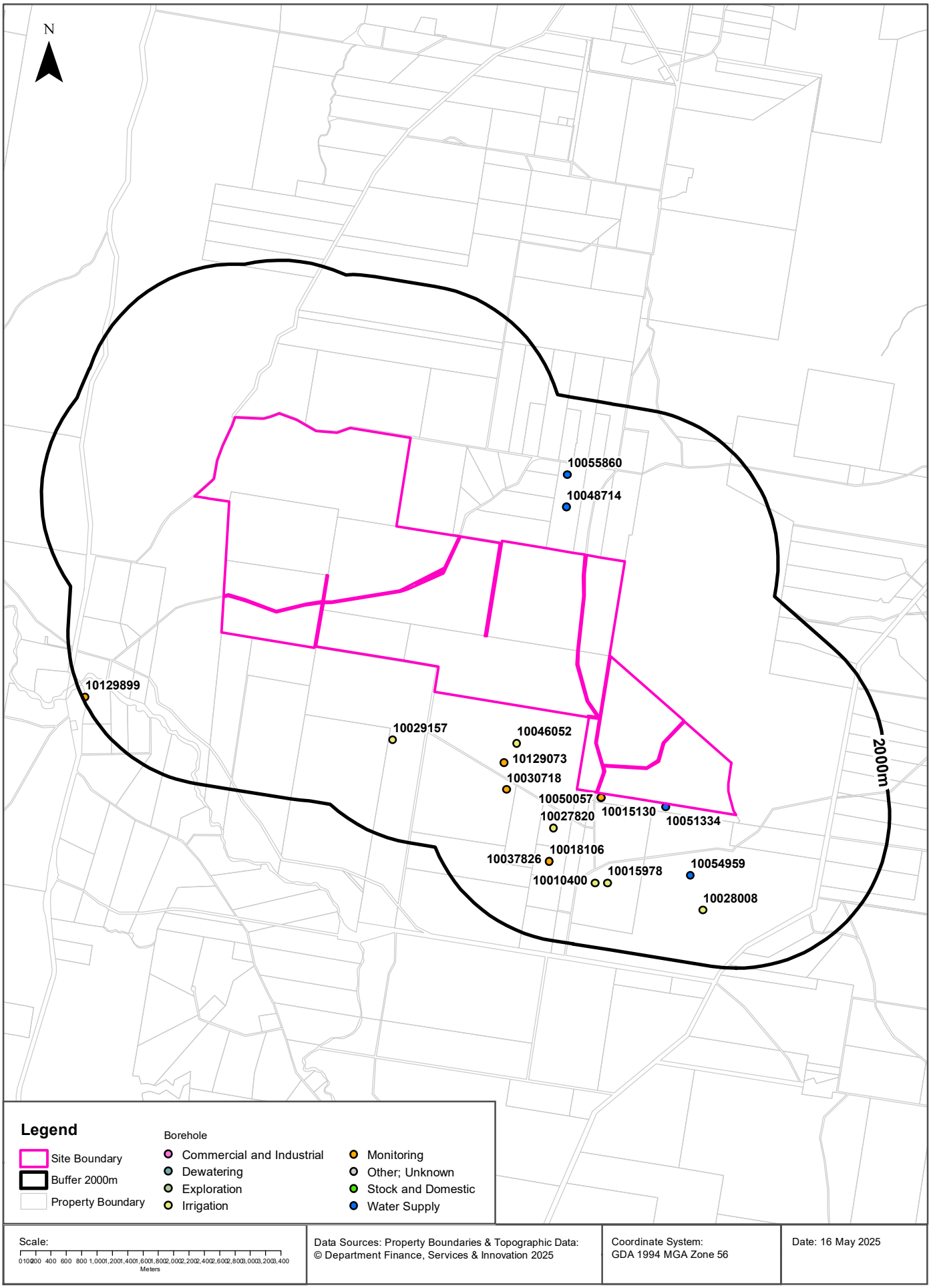
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

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

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Hydrogeology & Groundwater

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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
10051334	GW073357	Water Supply	Functioning	25/01/1994	18.00		AHD	Good	5.000	3.90	47m	South East
10015130	GW300918	Monitoring	Unknown	23/09/1995	6.00		AHD		0.200		63m	South East
10050057	GW073358	Water Supply	Unknown	01/02/1994	21.00		AHD	Good	5.000	7.55	64m	South East
10046052	GW300927	Irrigation	Unknown	30/09/1995	27.50		AHD		6.500		491m	South East
10048714	GW306605	Water Supply	Abandoned	20/02/2010	102.00		AHD				571m	North East
10027820	GW300924	Irrigation	Unknown	12/08/1995	18.30		AHD		4.000		591m	South East
10129073	GW300911	Monitoring	Unknown	25/09/1995	10.50		AHD		0.375		765m	South
10029157	GW300926	Irrigation	Unknown	18/09/1995	29.00		AHD		4.000		831m	South
10054959	GW073356	Water Supply	Functioning	02/02/1994	29.00		AHD		2.270	1.85	878m	South East
10030718	GW300917	Monitoring	Unknown	23/09/1995	27.00		AHD		0.375		915m	South
10055860	GW306606	Water Supply	Functioning	22/02/2010	102.00		AHD		0.757	13.50	990m	North East
10018106	GW300919	Monitoring	Unknown	22/09/1995	6.00		AHD				1012m	South East
10037826	GW300920	Monitoring	Unknown	22/09/1995	19.80		AHD				1012m	South East
10015978	GW059098	Irrigation	Unknown	01/07/1981			AHD				1147m	South East
10010400	GW059097	Irrigation	Unknown	01/07/1981			AHD				1172m	South East
10028008	GW300925	Irrigation	Unknown	18/08/1995	25.00		AHD		5.500		1295m	South East
10129899	GW039170	Monitoring	Unknown	01/05/1977	17.20	38.05	AHD	Good			1966m	West

Hydrogeology & Groundwater

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Driller's Logs

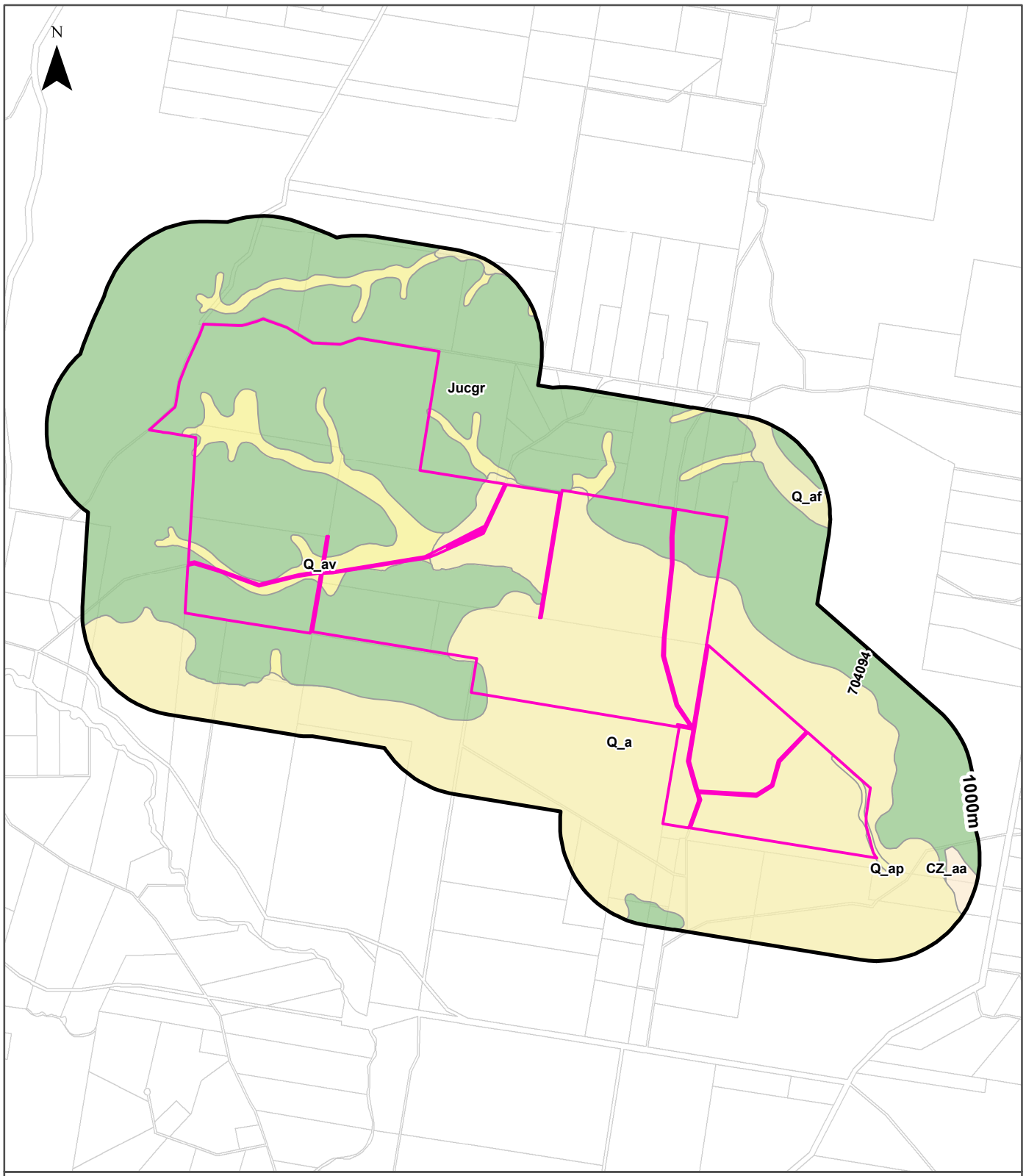
Drill log data relevant to the boreholes within the dataset buffer:

NGIS Bore ID	Drillers Log	Distance	Direction
10051334	0.00m-4.00m 4.00m-12.00m Muddy Coarse To Medium Sand 12.00m-18.00m Clean Coarse To Medium Sand	47m	South East
10015130	0.00m-0.60m SANDY SOIL 0.60m-3.00m SANDY CLAY 3.00m-5.50m SAND 5.50m-6.00m CLAY	63m	South East
10050057	0.00m-8.00m Clay 8.00m-16.00m Slopy Sand, Med Coarse 16.00m-21.00m Clean Med Coarse Sand	64m	South East
10046052	0.00m-0.60m SANDY SOIL 0.60m-3.00m SANDY CLAY 3.00m-5.50m SAND 5.50m-7.30m CLAY 7.30m-9.40m SANDY CLAY 9.40m-9.70m SAND 9.70m-16.70m SANDY CLAY 16.70m-23.80m SAND 23.80m-26.50m GREY MUD & SAND 26.50m-27.50m SHALE	491m	South East
10048714	0.00m-5.00m Clay, red 5.00m-17.00m Clay, white 17.00m-50.00m Mudstone 50.00m-102.00m Basalt	571m	North East
10027820	0.00m-0.30m SOIL 0.30m-7.30m CLAY 7.30m-9.40m SANDY CLAY 9.40m-13.10m MEDIUM TO COARSE SAND 13.10m-14.00m CLAY 14.00m-14.90m COARSE SAND 14.90m-18.30m YELLOW CLAY	591m	South East
10129073	0.00m-0.60m SANDY SOIL 0.60m-3.00m SANDY CLAY 3.00m-5.70m SAND 5.70m-6.40m CLAY 6.40m-9.30m SANDY CLAY 9.30m-9.60m SAND 9.60m-10.50m SANDY CLAY	765m	South
10029157	0.00m-0.30m SOIL 0.30m-8.80m SANDY CLAY 8.80m-10.70m MEDIUM SAND 10.70m-20.10m SANDY CLAY 20.10m-23.40m SAND 23.40m-27.70m SANDY CLAY 27.70m-29.00m MUDSTONE	831m	South
10054959	0.00m-6.00m Clay 6.00m-14.00m Slopy Sand 14.00m-16.00m Clay 16.00m-18.00m Slopy Sand 18.00m-19.50m Clay 19.50m-22.50m Slopy Sand 22.50m-23.50m Clay 23.50m-28.50m Corse Sand And Gravel 28.50m-30.00m Clay And Sandstone	878m	South East
10030718	0.00m-0.60m SANDY SOIL 0.60m-3.00m SANDY CLAY 3.00m-5.50m SAND 5.50m-6.40m CLAY 6.40m-9.30m SANDY CLAY 9.30m-9.60m SAND 9.60m-11.60m SANDY CLAY 11.60m-18.30m CLAY 18.30m-22.40m SAND 22.40m-27.00m CLAY	915m	South
10055860	0.00m-5.00m Clay, red 5.00m-17.00m Clay, white 17.00m-50.00m Mudstone 50.00m-102.00m Basalt	990m	North East

NGIS Bore ID	Drillers Log	Distance	Direction
10018106	0.00m-2.00m SANDY SOIL 2.00m-4.00m SAND 4.00m-4.20m CLAY 4.20m-5.10m SANDY CLAY 5.10m-6.00m CLAY	1012m	South East
10037826	0.00m-1.80m SANDY SOIL 1.80m-3.90m SANDY CLAY 3.90m-4.60m CLAY 4.60m-5.80m SANDY CLAY 5.80m-6.40m GREY CLAY 6.40m-9.70m SANDY CLAY 9.70m-17.70m CLAY 17.70m-19.80m MUDSTONE	1012m	South East
10015978	0.00m-1.00m Loam Sandy 1.00m-4.00m Sand Yellow 4.00m-17.00m Sand Yellow Mixed Clay 17.00m-24.00m Sand Grey 24.00m-32.00m Sand Grey Coarse 32.00m-33.00m Clay Mixed Sand 33.00m-38.00m Sand Grey 38.00m-47.00m Sand Very Coarse	1147m	South East
10010400	0.00m-4.00m Loam Black Sandy 4.00m-22.00m Sand Black 22.00m-28.00m Sand Small Clay 28.00m-33.00m Clay Small Sand 33.00m-36.00m Sand Coarse 36.00m-43.00m Sand Fine 36.00m-43.00m Clay Green 43.00m-45.00m Clay Red 43.00m-45.00m Sand Shale	1172m	South East
10028008	0.00m-0.30m SOIL 0.30m-12.80m CLAY 12.80m-14.30m CLAYEY SAND 14.30m-16.70m MEDIUM SAND & PEBBLES 16.70m-22.00m SANDY CLAY 22.00m-23.80m CLAYEY SAND 23.80m-25.00m SHALE	1295m	South East
10129899	0.00m-0.61m Topsoil 0.61m-4.57m Clay Orange 4.57m-6.10m Clay Light Grey Sandy 6.10m-9.14m Clay 9.14m-10.97m Sand Grey Clayey 10.97m-18.90m Sand Coarse Water Supply 10.97m-18.90m Gravel Water Bearing Fine 18.90m-19.81m Shale	1966m	West

Geology

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



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 100200 400 600 800 1,000 1,200 1,400 1,600 1,800 2,000 2,200 2,400 2,600 2,800 Meters

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

Coordinate System: GDA 1994 MGA Zone 56

Date: 16 May 2025

Geology

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Geological Units

Geological units within the dataset buffer:

Code	Unit Name	Description	Stratigraphy	Age Range	Dominant Lithology	Dist	Dir
Jucgr	Rappville Member	Interbedded sandstone, siltstone and claystone.	/Ungrouped Clarence-Moreton Basin units//Grafton Formation/Rappville Member/	Middle Jurassic (base) to Early Cretaceous (top)	Sandstone	0m	On-site
Q_a	Alluvium	Unconsolidated grey to brown to beige humic (±)micaceous silty clay, quartz-(±)lithic silt, fine- to medium-grained quartz-rich to quartz-lithic sand, polymictic pebble to cobble gravel (as sporadic lenses); sporadic palaeosol horizons.	/Alluvium////	Quaternary (base) to Now (top)	Clastic sediment	0m	On-site
Q_ap	Alluvial palaeochannel deposits	Poorly sorted gravels, clayey sand and variably magnetic pisoliths.	/Alluvium//Alluvial palaeochannel deposits//	Quaternary (base) to Now (top)	Gravel	0m	On-site
Q_av	Alluvial valley deposits	Silt, clay, (fluvially deposited) lithic to quartz-lithic sand, gravel.	/Alluvium//Alluvial valley deposits//	Quaternary (base) to Now (top)	Clastic sediment	0m	On-site
Q_af	Alluvial floodplain deposits	Silt, very fine- to medium-grained lithic to quartz-rich sand, clay.	/Alluvium//Alluvial floodplain deposits//	Quaternary (base) to Now (top)	Clastic sediment	553m	North East
CZ_aa	Alluvial sand and gravel	Unconsolidated alluvial quartzose sand and polymictic gravel.	/Alluvium//Alluvial sand and gravel//	Cenozoic (base) to Now (top)	Clastic sediment	663m	South East

Geology

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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
704094	Faulted boundary	Normal fault, inferred			682m	East

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

Naturally Occurring Asbestos Potential

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Naturally Occurring Asbestos Potential

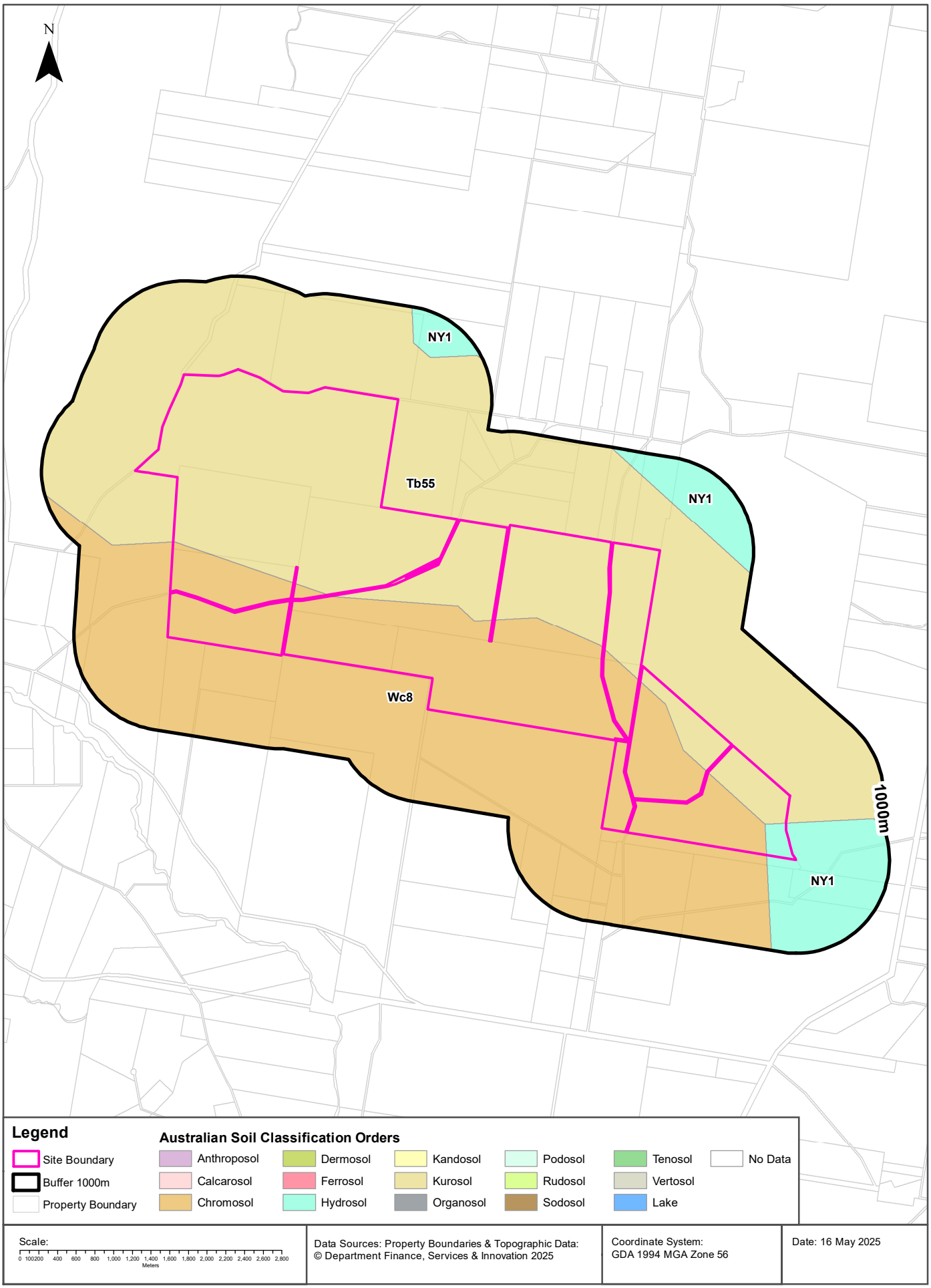
Naturally Occurring Asbestos Potential within the dataset buffer:

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

Atlas of Australian Soils

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Soils

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

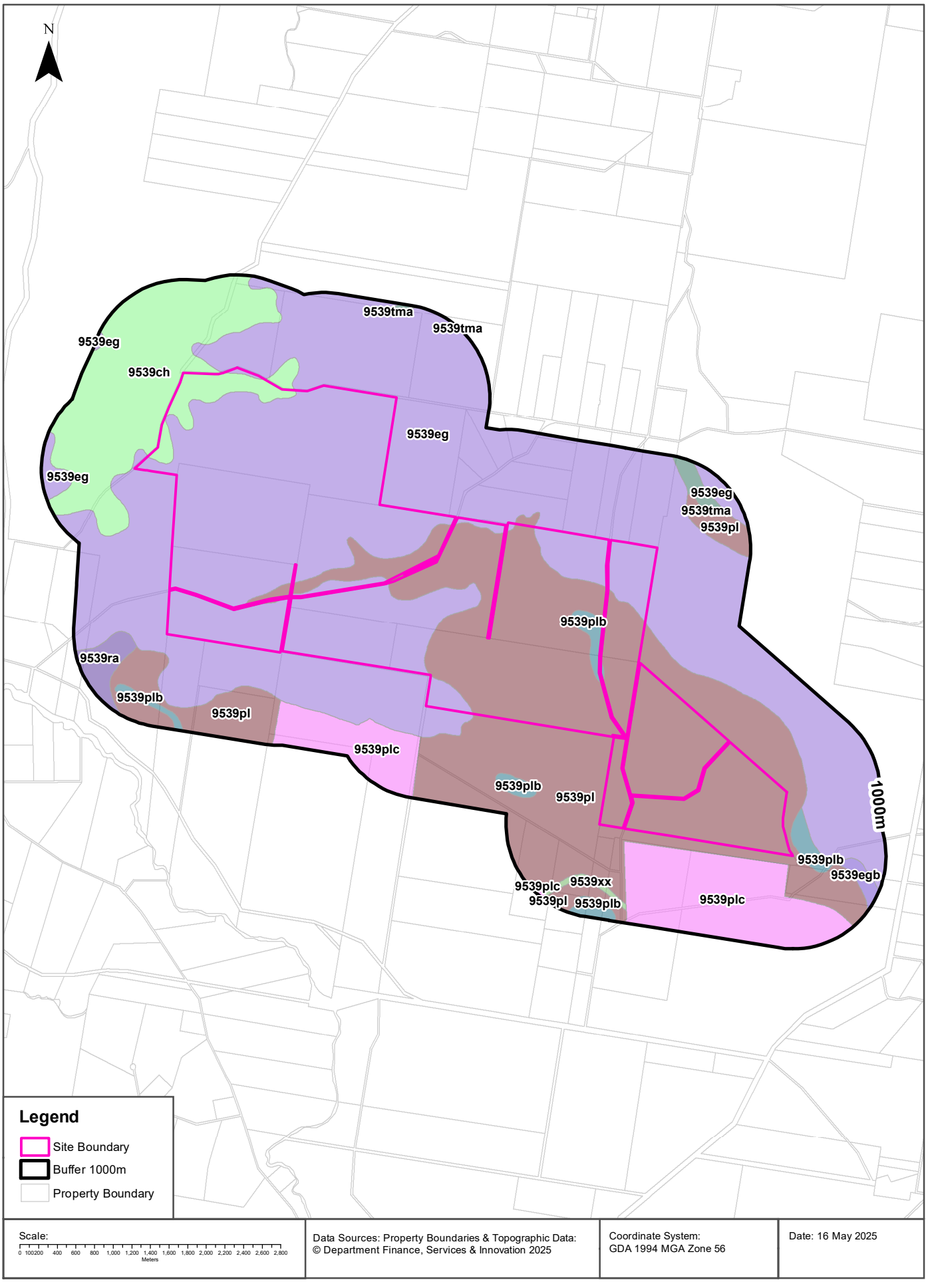
Atlas of Australian Soils

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

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Tb55	Kurosol	Undulating to hilly: hard acidic yellow mottled soils (Dy3.41) and hard acidic red and red mottled soils (Dr2.21) and (Dr3.21 and Dr3.41), with generally flatter areas of sandy acidic yellow mottled soils (Dy5.61) often containing ironstone gravels. Soil dominance varies locally. As mapped, areas of units Wc7, Tb57, and minor occurrences of units M12 and Mg24 are included.	0m	On-site
Wc8	Chromosol	Flat to strongly undulating: chief soils are sandy acidic yellow mottled soils (Dy5.61, Dy5.41, and Dy5.81). Associated are various sand soils such as (Uc4.2) and (Uc2.2) on low rises, and soils of unit Tb55. Valleys are shallow and often poorly drained.	0m	On-site
NY1	Hydrosol	Coastal plains, generally low lying, poorly drained, and subject to flooding (lower and middle reaches of river flood-plains, swamps, estuarine areas, and tidal marshes): chief soils seem to be friable acidic gley soils (Dg4.11), (Dg4.41), and (Dg4.81); friable acidic yellow mottled soils (Dy5.11); leached sand soils (Uc2.2) and/or (Uc2.3); and sandy acidic yellow mottled soils (Dy5.61), (Dy5.41), and (Dy5.81) in a complex and not well-known pattern, generally as follows: (i) flat to gently sloping areas of (Dg4.11), (Dg4.41), and (Dg4.81) or (Dy5.11), and/or (Ug5.16) and (Ug5.4), with some (Dd3.11) and (Uf6.41); (ii) sandy flats and swamps of (Uc2.2), and/or (Uc2.3), and/or acid peats (0); and (iii) slightly raised sandy areas of (Dy5.61), (Dy5.41), and (Dy5.81) with (Uc2.2) and (Uc4.2). Small areas of units NY2 (Sheet 3) and B9 are included.	0m	On-site

Soil Landscapes of Central and Eastern NSW

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Soils

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Soil Landscapes of Central and Eastern NSW

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

Soil Code	Name	Distance	Direction
9539eg	Ellangowan	0m	On-site
9539pl	Physics Lagoon	0m	On-site
9539ch	Cahills Road	0m	On-site
9539plb	Physics Lagoon variant b	0m	On-site
9539plc	Physics Lagoon variant c	103m	South East
9539ra	Rappville	351m	West
9539egb	Ellangowan variant b	450m	South East
9539xx	Disturbed Terrain	558m	South East
9539tma	Tabbimoble variant a	641m	North East

Acid Sulfate Soils

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Environmental Planning Instrument - Acid Sulfate Soils

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

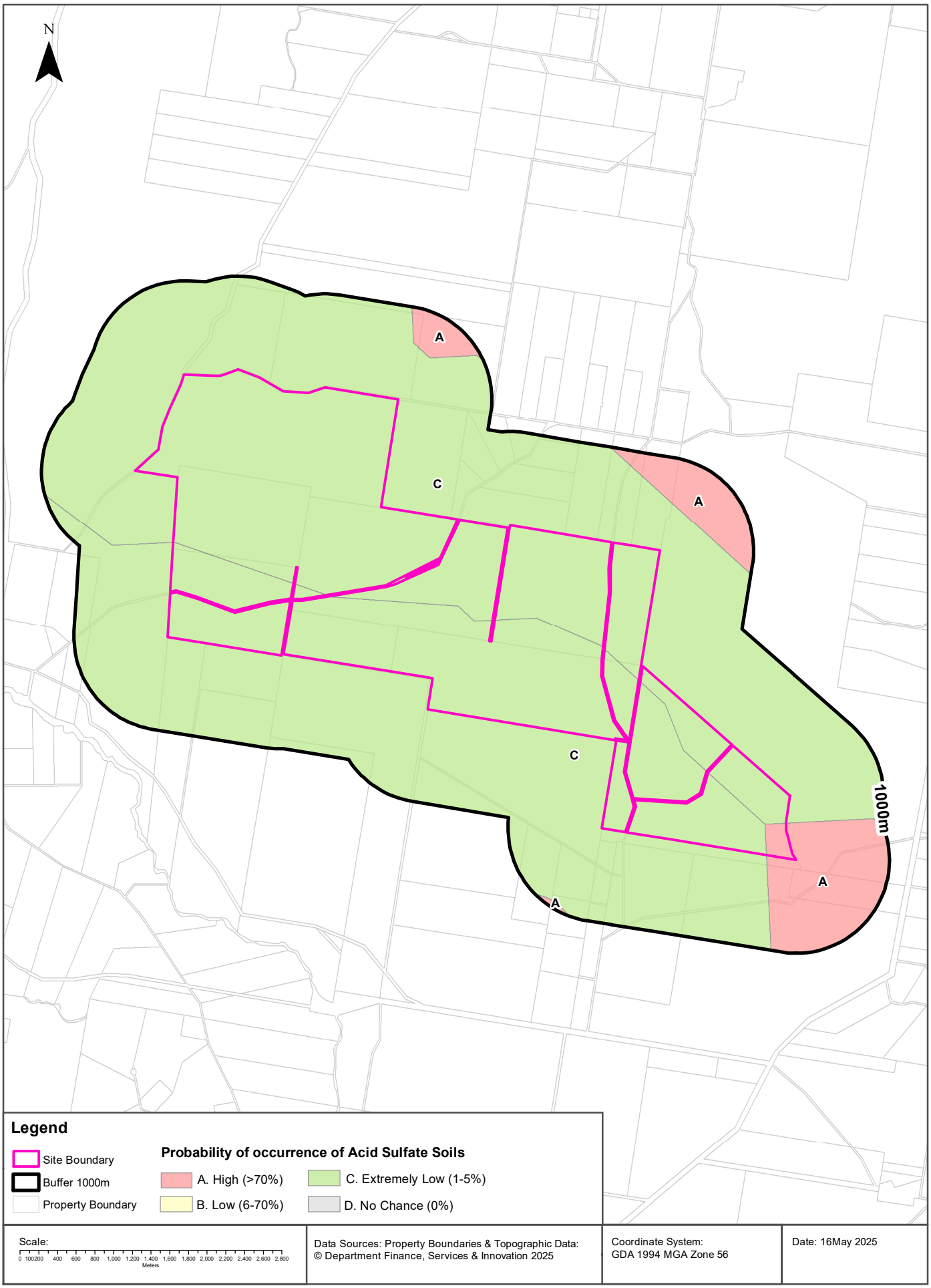
Soil Class	Description	EPI Name
N/A		

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

Soil Class	Description	EPI Name	Distance	Direction
N/A				

Atlas of Australian Acid Sulfate Soils

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Acid Sulfate Soils

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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
A	High Probability of occurrence. >70% chance of occurrence.	0m	On-site

Dryland Salinity

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

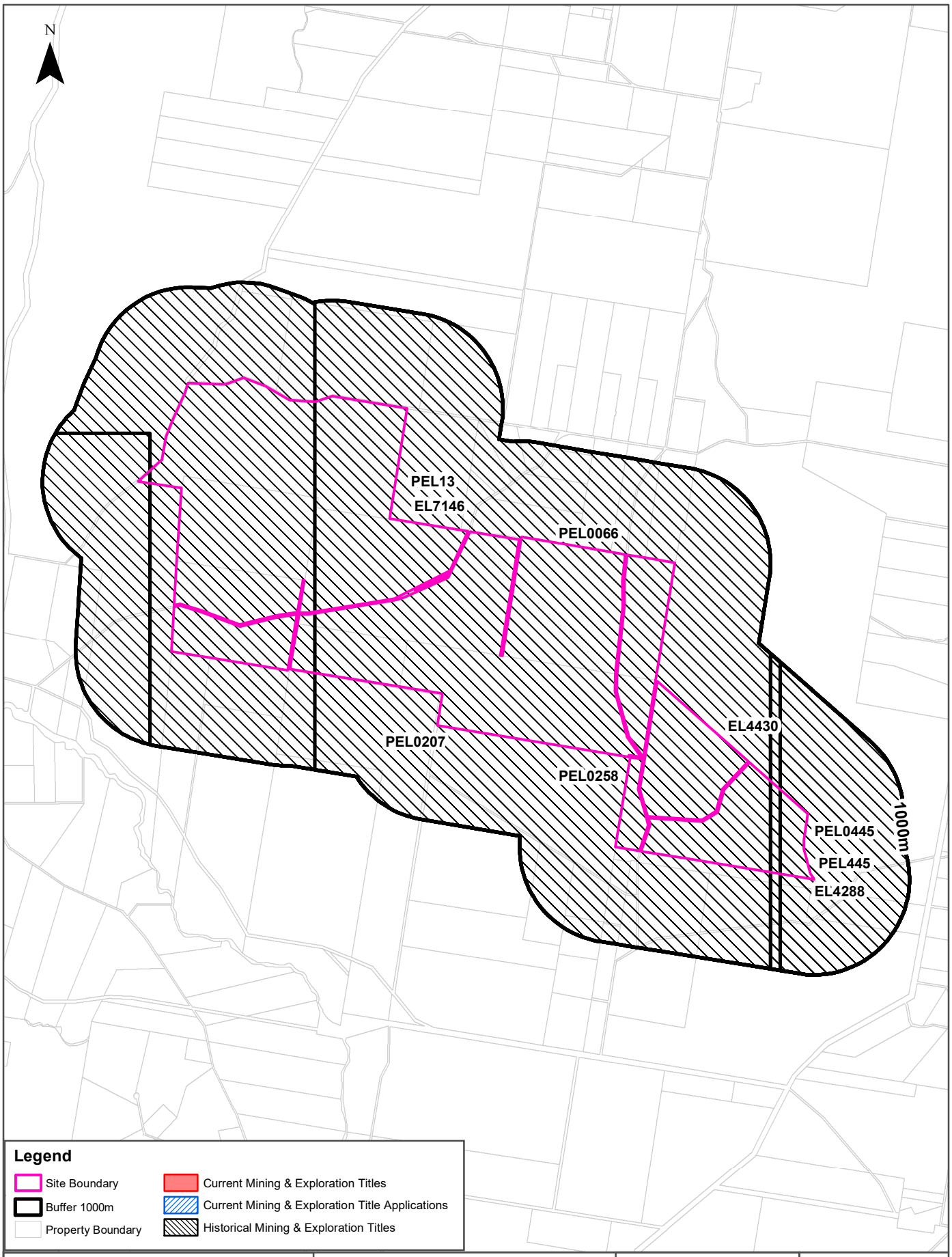
Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

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

Mining & Exploration Titles

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Mining

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

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

Mining

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL0258	ENDEAVOUR RESOURCES LTD, CLARENCE PETROLEUM NL, TARGET EXPLORATION PTY LTD, CHARTERHALL OIL AUSTRALIA PTY LTD, OIL COMPA	19810701	19970311	PETROLEUM	Petroleum	0m	On-site
PEL0207	MAGNUM EXPLORATION N.L.	19770807	19780707	PETROLEUM	Petroleum	0m	On-site
EL7146	GRADIENT ENERGY LIMITED	20080528	20110415	MINERALS	Geothermal	0m	On-site
PEL0066	CLARENCE RIVER BASIN OIL EXPLORATION CO. NL			PETROLEUM	Petroleum	0m	On-site
EL4288	CONSOLIDATED RUTILE LIMITED	19920701	19921201	MINERALS	Heavy mineral sands	0m	On-site
EL4430	BHP MINERALS PTY LTD	19921001	19940512	MINERALS	Heavy mineral sands	0m	On-site
PEL445	DART ENERGY (BRUXNER) PTY LTD	20040419	20101102	MINERALS		0m	On-site
PEL0445	DART ENERGY (BRUXNER) PTY LTD	20050704	20160710	PETROLEUM	Petroleum	0m	On-site
PEL13	METGASCO LTD	19951127	19990611	MINERALS		0m	On-site

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

State Environmental Planning Policy

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

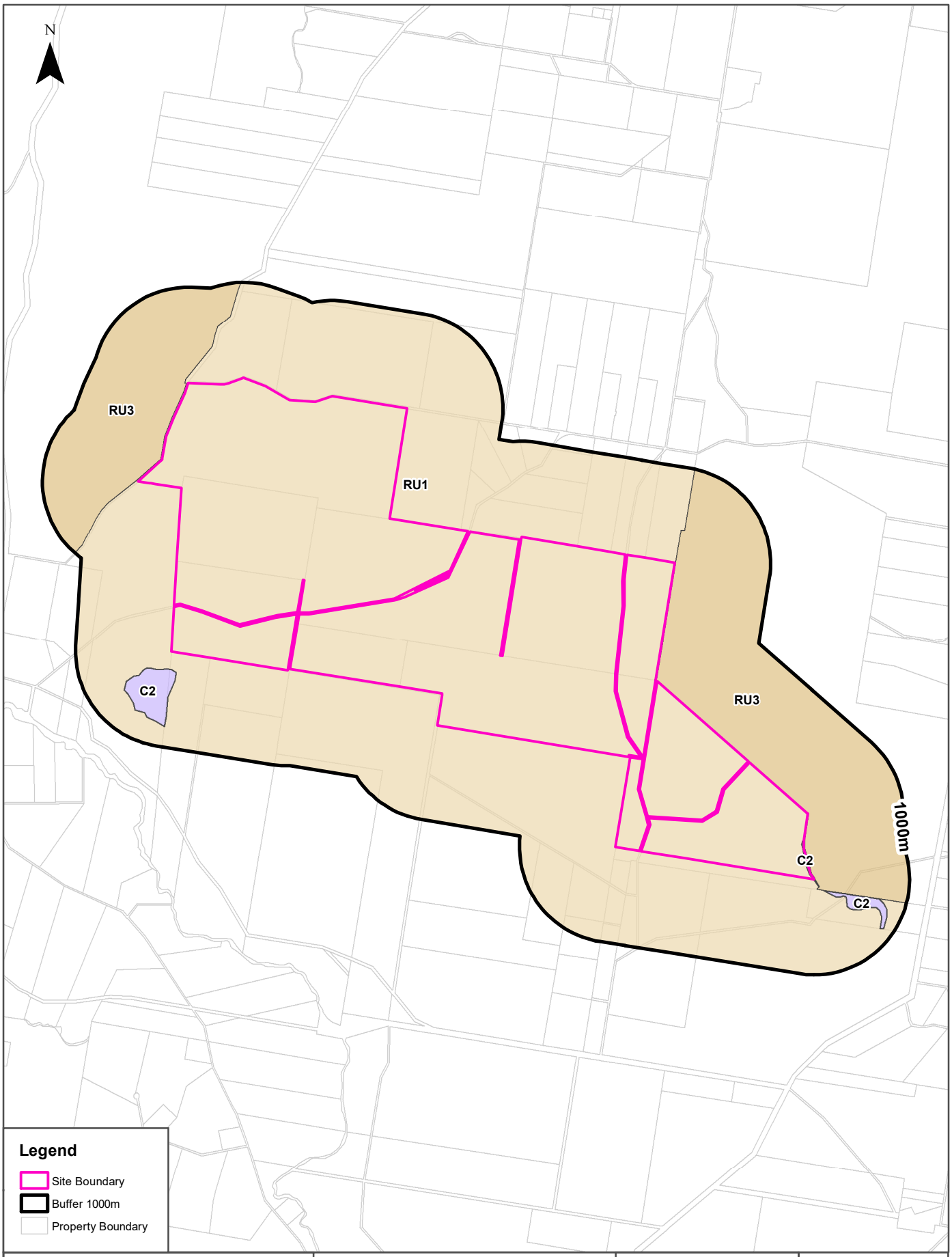
State Significant Precincts

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							

EPI Planning Zones

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Environmental Planning Instrument

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

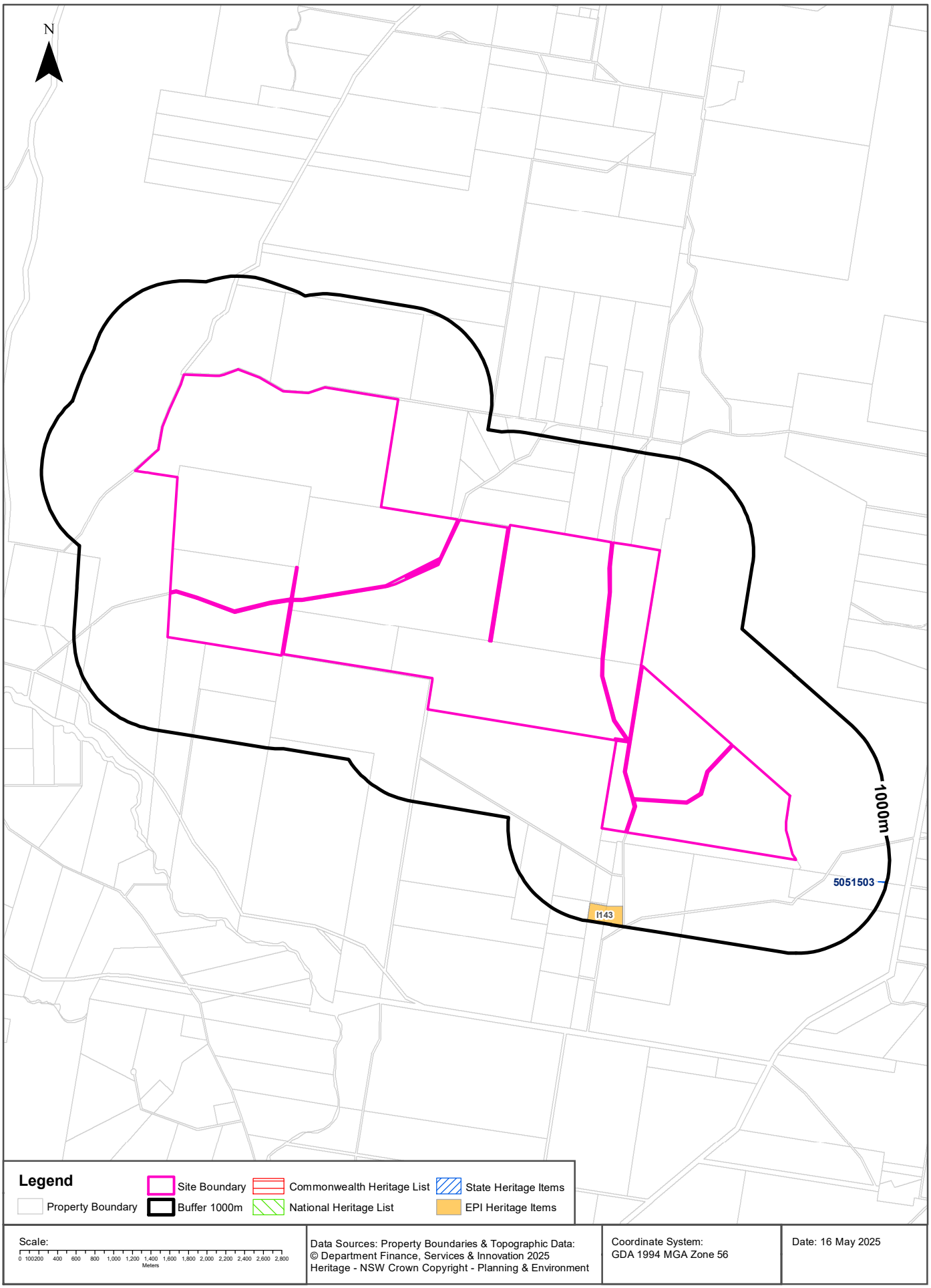
Land Zoning

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		Richmond Valley Local Environmental Plan 2012	14/03/2025	14/03/2025	21/03/2025	Map Amendment No 2	0m	On-site
C2	Environmental Conservation		Richmond Valley Local Environmental Plan 2012	28/04/2023	28/04/2023	21/03/2025	Map Amendment No 1	0m	On-site
RU3	Forestry		Richmond Valley Local Environmental Plan 2012	28/04/2023	28/04/2023	21/03/2025	Map Amendment No 1	0m	East
RU3	Forestry		Richmond Valley Local Environmental Plan 2012	28/04/2023	28/04/2023	21/03/2025	Map Amendment No 1	17m	North West
C2	Environmental Conservation		Richmond Valley Local Environmental Plan 2012	28/04/2023	28/04/2023	21/03/2025	Map Amendment No 1	147m	South East
C2	Environmental Conservation		Richmond Valley Local Environmental Plan 2012	28/04/2023	28/04/2023	21/03/2025	Map Amendment No 1	186m	West

Heritage Items

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Heritage

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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							

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
N/A	No records in buffer							

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
5051503	High Conservation Value Old Growth Forest	15 Local Government Areas Upper North East NSW	CLARENCE VALLEY	22/12/2000	01487	3196	909m	South East

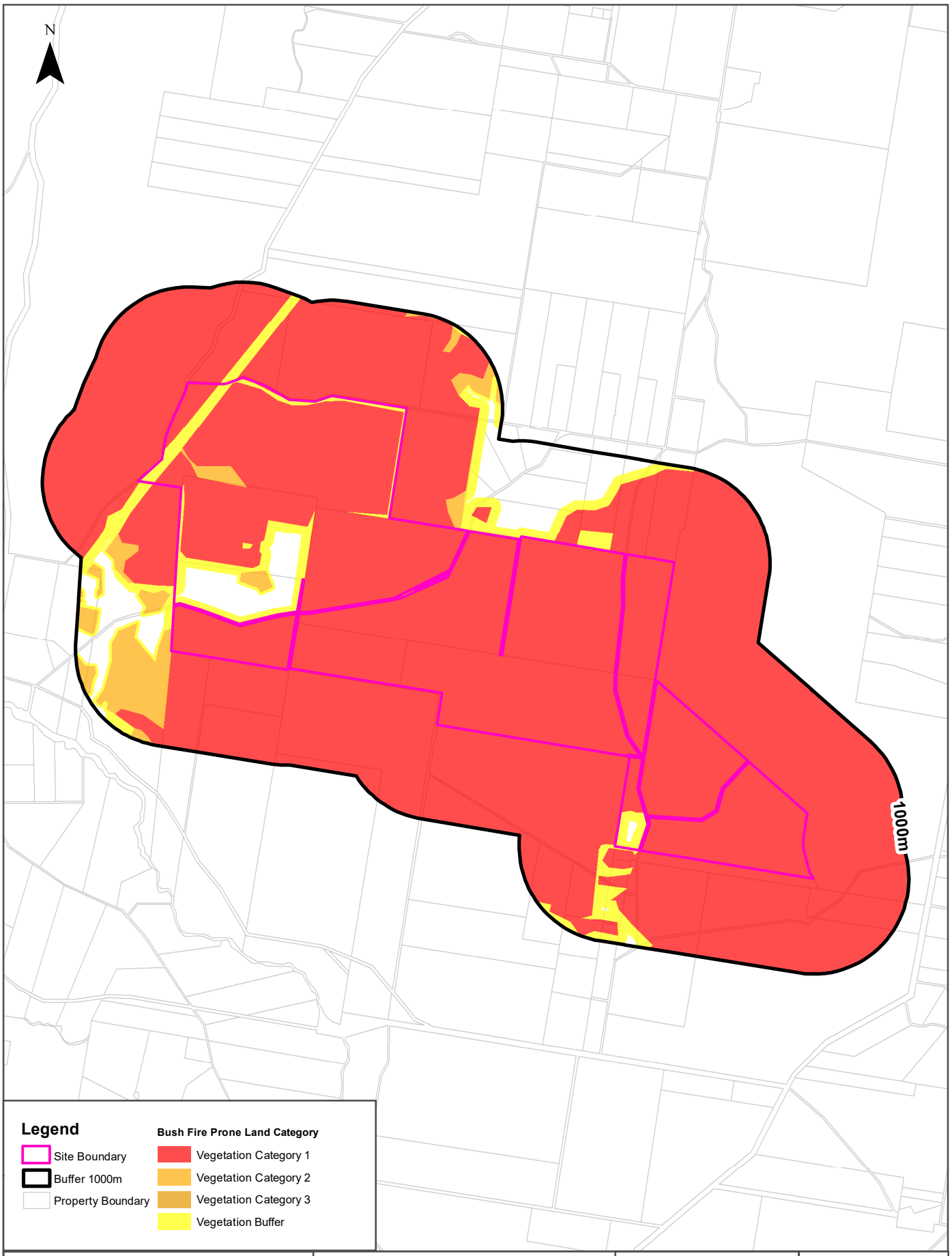
Environmental Planning Instrument - Heritage

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
I143	Main Camp Homestead & surrounds	Item - General	Local	Richmond Valley Local Environmental Plan 2012	09/03/2012	09/03/2012	15/08/2014	787m	South East

Natural Hazards - Bush Fire Prone Land

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



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: 16 May 2025

Natural Hazards

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

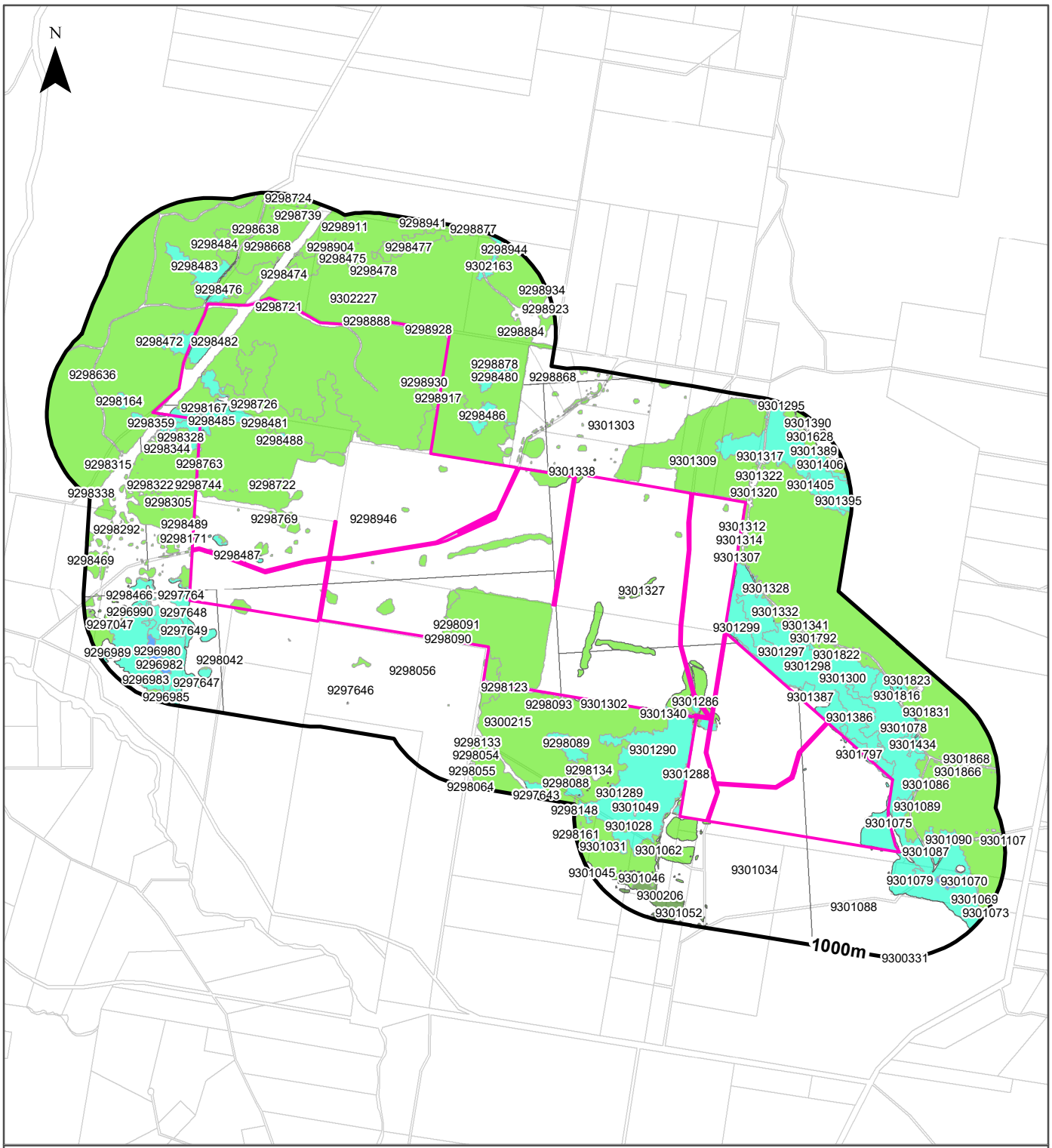
Bush Fire Prone Land

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 2	0m	On-site
Vegetation Buffer	0m	On-site

Ecological Constraints - Vegetation & Ramsar Wetlands

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Ecological Constraints

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9298042	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298056	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298090	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Clarence Lowland Ironbark-Spotted Gum Grassy Forest	Clarence Dry Sclerophyll Forests	0m	On-site
9298091	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	0m	On-site
9298120	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298121	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298123	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298128	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298130	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298167	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	0m	On-site
9298359	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298472	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	0m	On-site
9298481	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	0m	On-site
9298482	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	0m	On-site
9298485	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	0m	On-site
9298487	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	0m	On-site
9298488	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	0m	On-site
9298489	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	0m	On-site
9298636	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298719	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298720	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298721	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298722	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298723	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298725	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298726	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298728	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298729	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298730	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
9298732	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298734	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298735	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298737	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298743	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298744	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298745	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298746	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298749	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298751	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298752	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298753	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298754	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298756	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298758	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298760	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298761	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298763	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298764	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298765	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298767	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298768	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298769	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298771	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298772	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298773	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298871	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298888	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298915	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298917	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298928	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298930	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298932	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298935	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298945	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9298946	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9300215	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	0m	On-site

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9301034	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301075	Freshwater Wetlands	(Freshwater Wetlands) Coast Sands Jointed Twig-rush Sedgeland	Coastal Freshwater Lagoons	0m	On-site
9301078	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	0m	On-site
9301088	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301286	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	0m	On-site
9301287	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	0m	On-site
9301288	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	0m	On-site
9301290	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	0m	On-site
9301300	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	0m	On-site
9301302	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	0m	On-site
9301303	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301306	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301307	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301312	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301314	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301321	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301327	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301795	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301797	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301802	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9301813	Not classified	(Not classified) Not classified	Not classified	0m	On-site
9302227	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Clarence Lowland Ironbark-Spotted Gum Grassy Forest	Clarence Dry Sclerophyll Forests	0m	On-site
9297648	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	0m	West
9301299	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	0m	East
9301340	Not classified	(Not classified) Not classified	Not classified	0m	South East
9298126	Not classified	(Not classified) Not classified	Not classified	1m	South
9298127	Not classified	(Not classified) Not classified	Not classified	1m	South
9301344	Not classified	(Not classified) Not classified	Not classified	1m	South East
9298122	Not classified	(Not classified) Not classified	Not classified	2m	South
9298125	Not classified	(Not classified) Not classified	Not classified	2m	South
9301346	Not classified	(Not classified) Not classified	Not classified	2m	South East
9301357	Not classified	(Not classified) Not classified	Not classified	3m	South East
9298131	Not classified	(Not classified) Not classified	Not classified	4m	South
9298132	Not classified	(Not classified) Not classified	Not classified	4m	South East
9301347	Not classified	(Not classified) Not classified	Not classified	5m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9301342	Not classified	(Not classified) Not classified	Not classified	6m	South East
9298483	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	9m	North West
9298124	Not classified	(Not classified) Not classified	Not classified	10m	South East
9298129	Not classified	(Not classified) Not classified	Not classified	10m	South
9301339	Not classified	(Not classified) Not classified	Not classified	10m	South East
9301352	Not classified	(Not classified) Not classified	Not classified	11m	South East
9301301	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	12m	South East
9301353	Not classified	(Not classified) Not classified	Not classified	13m	South East
9301354	Not classified	(Not classified) Not classified	Not classified	21m	South East
9301079	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	24m	South East
9301338	Not classified	(Not classified) Not classified	Not classified	44m	North East
9297764	Not classified	(Not classified) Not classified	Not classified	51m	West
9298329	Not classified	(Not classified) Not classified	Not classified	52m	North West
9298476	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	57m	North West
9301316	Not classified	(Not classified) Not classified	Not classified	64m	East
9301319	Not classified	(Not classified) Not classified	Not classified	72m	East
9301387	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	74m	South East
9298171	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	80m	West
9297046	Not classified	(Not classified) Not classified	Not classified	92m	West
9298093	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	101m	South
9301311	Not classified	(Not classified) Not classified	Not classified	102m	East
9298318	Not classified	(Not classified) Not classified	Not classified	103m	West
9298731	Not classified	(Not classified) Not classified	Not classified	103m	West
9298350	Not classified	(Not classified) Not classified	Not classified	110m	West
9301320	Not classified	(Not classified) Not classified	Not classified	115m	East
9298299	Not classified	(Not classified) Not classified	Not classified	118m	West
9301057	Not classified	(Not classified) Not classified	Not classified	125m	South East
9298343	Not classified	(Not classified) Not classified	Not classified	127m	West
9298351	Not classified	(Not classified) Not classified	Not classified	129m	West
9298345	Not classified	(Not classified) Not classified	Not classified	130m	West
9298298	Not classified	(Not classified) Not classified	Not classified	132m	West
9298742	Not classified	(Not classified) Not classified	Not classified	134m	West
9301050	Not classified	(Not classified) Not classified	Not classified	140m	South East
9298323	Not classified	(Not classified) Not classified	Not classified	143m	West
9301038	Not classified	(Not classified) Not classified	Not classified	149m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9298342	Not classified	(Not classified) Not classified	Not classified	150m	West
9298335	Not classified	(Not classified) Not classified	Not classified	156m	West
9298172	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	158m	West
9301386	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	158m	South East
9301313	Not classified	(Not classified) Not classified	Not classified	160m	East
9298328	Not classified	(Not classified) Not classified	Not classified	161m	West
9297649	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	162m	West
9298332	Not classified	(Not classified) Not classified	Not classified	165m	West
9298355	Not classified	(Not classified) Not classified	Not classified	165m	West
9301297	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	170m	East
9298339	Not classified	(Not classified) Not classified	Not classified	172m	West
9298297	Not classified	(Not classified) Not classified	Not classified	182m	West
9301087	Not classified	(Not classified) Not classified	Not classified	185m	South East
9298301	Not classified	(Not classified) Not classified	Not classified	186m	West
9298352	Not classified	(Not classified) Not classified	Not classified	189m	West
9301042	Not classified	(Not classified) Not classified	Not classified	196m	South East
9298295	Not classified	(Not classified) Not classified	Not classified	202m	West
9301061	Not classified	(Not classified) Not classified	Not classified	210m	South East
9298308	Not classified	(Not classified) Not classified	Not classified	213m	West
9298312	Not classified	(Not classified) Not classified	Not classified	214m	West
9301298	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	222m	East
9301331	Not classified	(Not classified) Not classified	Not classified	225m	East
9298330	Not classified	(Not classified) Not classified	Not classified	233m	West
9301336	Not classified	(Not classified) Not classified	Not classified	233m	East
9301040	Not classified	(Not classified) Not classified	Not classified	234m	South East
9301337	Not classified	(Not classified) Not classified	Not classified	236m	East
9298474	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	240m	North West
9298305	Not classified	(Not classified) Not classified	Not classified	246m	West
9298486	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	248m	North
9298349	Not classified	(Not classified) Not classified	Not classified	249m	West
9298164	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	254m	North West
9301434	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	257m	South East
9298292	Not classified	(Not classified) Not classified	Not classified	258m	West
9298313	Not classified	(Not classified) Not classified	Not classified	261m	West
9301089	Not classified	(Not classified) Not classified	Not classified	264m	South East
9301322	Not classified	(Not classified) Not classified	Not classified	265m	East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9301044	Not classified	(Not classified) Not classified	Not classified	267m	South East
9298344	Not classified	(Not classified) Not classified	Not classified	273m	West
9301093	Not classified	(Not classified) Not classified	Not classified	274m	South East
9301060	Not classified	(Not classified) Not classified	Not classified	280m	South East
9298303	Not classified	(Not classified) Not classified	Not classified	285m	West
9301094	Not classified	(Not classified) Not classified	Not classified	285m	South East
9298302	Not classified	(Not classified) Not classified	Not classified	287m	West
9301309	Not classified	(Not classified) Not classified	Not classified	288m	North East
9298333	Not classified	(Not classified) Not classified	Not classified	294m	West
9298358	Not classified	(Not classified) Not classified	Not classified	296m	West
9298325	Not classified	(Not classified) Not classified	Not classified	297m	West
9297647	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	300m	West
9301310	Not classified	(Not classified) Not classified	Not classified	306m	East
9301086	Not classified	(Not classified) Not classified	Not classified	309m	South East
9301328	Not classified	(Not classified) Not classified	Not classified	310m	East
9298321	Not classified	(Not classified) Not classified	Not classified	315m	West
9298356	Not classified	(Not classified) Not classified	Not classified	325m	West
9301043	Not classified	(Not classified) Not classified	Not classified	325m	South East
9301062	Not classified	(Not classified) Not classified	Not classified	329m	South East
9301830	Not classified	(Not classified) Not classified	Not classified	334m	South East
9296985	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	337m	West
9298480	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	338m	North
9298357	Not classified	(Not classified) Not classified	Not classified	339m	West
9301334	Not classified	(Not classified) Not classified	Not classified	339m	East
9298316	Not classified	(Not classified) Not classified	Not classified	344m	West
9298320	Not classified	(Not classified) Not classified	Not classified	346m	West
9301039	Not classified	(Not classified) Not classified	Not classified	351m	South East
9298089	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	353m	South
9301335	Not classified	(Not classified) Not classified	Not classified	355m	East
9298494	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	359m	North
9301305	Not classified	(Not classified) Not classified	Not classified	366m	East
9301395	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	369m	East
9301824	Not classified	(Not classified) Not classified	Not classified	369m	South East
9301323	Not classified	(Not classified) Not classified	Not classified	375m	East
9298317	Not classified	(Not classified) Not classified	Not classified	376m	West
9301325	Not classified	(Not classified) Not classified	Not classified	376m	East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9301047	Not classified	(Not classified) Not classified	Not classified	380m	South East
9301818	Not classified	(Not classified) Not classified	Not classified	380m	South East
9298465	Not classified	(Not classified) Not classified	Not classified	381m	West
9298478	Freshwater Wetlands	(Freshwater Wetlands) Far North Floodplain Forb-Sedge Wetland	Coastal Freshwater Lagoons	387m	North West
9298931	Not classified	(Not classified) Not classified	Not classified	394m	North West
9298479	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	398m	North
9298322	Not classified	(Not classified) Not classified	Not classified	404m	West
9298331	Not classified	(Not classified) Not classified	Not classified	405m	West
9301808	Not classified	(Not classified) Not classified	Not classified	408m	South East
9301049	Not classified	(Not classified) Not classified	Not classified	414m	South East
9301820	Not classified	(Not classified) Not classified	Not classified	415m	South East
9301074	Freshwater Wetlands	(Freshwater Wetlands) Northern Sandplain Wet Heath	Coastal Heath Swamps	419m	South East
9301827	Not classified	(Not classified) Not classified	Not classified	420m	South East
9301033	Not classified	(Not classified) Not classified	Not classified	422m	South East
9296992	Forested Wetlands	(Forested Wetlands) Northern Estuarine Paperbark Sedge Forest	Coastal Swamp Forests	424m	West
9301317	Not classified	(Not classified) Not classified	Not classified	426m	East
9301076	Freshwater Wetlands	(Freshwater Wetlands) Northern Lower Floodplain Eleocharis Wetland	Coastal Freshwater Lagoons	431m	South East
9301333	Not classified	(Not classified) Not classified	Not classified	432m	East
9301829	Not classified	(Not classified) Not classified	Not classified	432m	South East
9301332	Not classified	(Not classified) Not classified	Not classified	435m	East
9301804	Not classified	(Not classified) Not classified	Not classified	435m	South East
9301343	Not classified	(Not classified) Not classified	Not classified	437m	East
9301032	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	440m	South East
9301294	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	444m	East
9301092	Not classified	(Not classified) Not classified	Not classified	445m	South East
9301326	Not classified	(Not classified) Not classified	Not classified	445m	East
9298337	Not classified	(Not classified) Not classified	Not classified	447m	West
9301318	Not classified	(Not classified) Not classified	Not classified	449m	East
9296990	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	452m	West
9301324	Not classified	(Not classified) Not classified	Not classified	454m	East
9298324	Not classified	(Not classified) Not classified	Not classified	455m	West
9298762	Not classified	(Not classified) Not classified	Not classified	456m	North West
9301812	Not classified	(Not classified) Not classified	Not classified	457m	South East
9301330	Not classified	(Not classified) Not classified	Not classified	458m	East
9298878	Not classified	(Not classified) Not classified	Not classified	461m	North

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9301077	Freshwater Wetlands	(Freshwater Wetlands) Northern Sandy Floodplain Sedge Paperbark Wetland	Coastal Freshwater Lagoons	462m	South East
9298306	Not classified	(Not classified) Not classified	Not classified	463m	West
9301798	Not classified	(Not classified) Not classified	Not classified	464m	South East
9298747	Not classified	(Not classified) Not classified	Not classified	468m	North West
9301028	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	469m	South East
9301090	Not classified	(Not classified) Not classified	Not classified	470m	South East
9301793	Not classified	(Not classified) Not classified	Not classified	473m	South East
9301293	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	474m	East
9301329	Not classified	(Not classified) Not classified	Not classified	474m	East
9298718	Not classified	(Not classified) Not classified	Not classified	477m	North West
9301828	Not classified	(Not classified) Not classified	Not classified	479m	East
9301792	Not classified	(Not classified) Not classified	Not classified	480m	East
9296982	Freshwater Wetlands	(Freshwater Wetlands) Northern Lower Floodplain Eleocharis Wetland	Coastal Freshwater Lagoons	483m	West
9301799	Not classified	(Not classified) Not classified	Not classified	484m	South East
9297047	Not classified	(Not classified) Not classified	Not classified	491m	West
9298668	Not classified	(Not classified) Not classified	Not classified	491m	North West
9298307	Not classified	(Not classified) Not classified	Not classified	492m	West
9301350	Not classified	(Not classified) Not classified	Not classified	493m	East
9298475	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	498m	North West
9301070	Freshwater Wetlands	(Freshwater Wetlands) Northern Lower Floodplain Eleocharis Wetland	Coastal Freshwater Lagoons	501m	South East
9298341	Not classified	(Not classified) Not classified	Not classified	508m	West
9298678	Not classified	(Not classified) Not classified	Not classified	513m	North West
9301854	Not classified	(Not classified) Not classified	Not classified	521m	South East
9298353	Not classified	(Not classified) Not classified	Not classified	522m	West
9298673	Not classified	(Not classified) Not classified	Not classified	524m	North West
9298671	Not classified	(Not classified) Not classified	Not classified	525m	North West
9301855	Not classified	(Not classified) Not classified	Not classified	526m	South East
9301289	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	528m	South East
9298466	Not classified	(Not classified) Not classified	Not classified	531m	West
9301345	Not classified	(Not classified) Not classified	Not classified	531m	South East
9301851	Not classified	(Not classified) Not classified	Not classified	532m	South East
9301822	Not classified	(Not classified) Not classified	Not classified	535m	East
9298311	Not classified	(Not classified) Not classified	Not classified	537m	West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9301853	Not classified	(Not classified) Not classified	Not classified	543m	South East
9301068	Freshwater Wetlands	(Freshwater Wetlands) Coast Sands Jointed Twig-rush Sedgeland	Coastal Freshwater Lagoons	546m	South East
9301852	Not classified	(Not classified) Not classified	Not classified	549m	South East
9301341	Not classified	(Not classified) Not classified	Not classified	550m	East
9298477	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	551m	North
9301091	Not classified	(Not classified) Not classified	Not classified	552m	South East
9296980	Freshwater Wetlands	(Freshwater Wetlands) Northern Sandplain Wet Heath	Coastal Heath Swamps	553m	West
9298484	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	553m	North West
9302163	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	554m	North
9296989	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	555m	West
9298309	Not classified	(Not classified) Not classified	Not classified	557m	West
9298473	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	560m	North
9298133	Not classified	(Not classified) Not classified	Not classified	563m	South
9298304	Not classified	(Not classified) Not classified	Not classified	565m	West
9298868	Not classified	(Not classified) Not classified	Not classified	570m	North
9301405	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	576m	East
9301809	Not classified	(Not classified) Not classified	Not classified	577m	East
9298052	Not classified	(Not classified) Not classified	Not classified	579m	South
9301041	Not classified	(Not classified) Not classified	Not classified	583m	South East
9301806	Not classified	(Not classified) Not classified	Not classified	584m	East
9301864	Not classified	(Not classified) Not classified	Not classified	586m	South East
9301100	Not classified	(Not classified) Not classified	Not classified	588m	South East
9298327	Not classified	(Not classified) Not classified	Not classified	590m	West
9296991	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	592m	West
9298638	Not classified	(Not classified) Not classified	Not classified	593m	North West
9298340	Not classified	(Not classified) Not classified	Not classified	596m	West
9296981	Freshwater Wetlands	(Freshwater Wetlands) Northern Sandplain Wet Heath	Coastal Heath Swamps	597m	West
9301349	Not classified	(Not classified) Not classified	Not classified	600m	South East
9297646	Freshwater Wetlands	(Freshwater Wetlands) Northern Lower Floodplain Eleocharis Wetland	Coastal Freshwater Lagoons	604m	South West
9298048	Not classified	(Not classified) Not classified	Not classified	605m	South
9298697	Not classified	(Not classified) Not classified	Not classified	607m	North West
9301035	Not classified	(Not classified) Not classified	Not classified	610m	South East
9298354	Not classified	(Not classified) Not classified	Not classified	611m	West
9301866	Not classified	(Not classified) Not classified	Not classified	611m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9298310	Not classified	(Not classified) Not classified	Not classified	620m	West
9298134	Not classified	(Not classified) Not classified	Not classified	622m	South East
9301816	Not classified	(Not classified) Not classified	Not classified	622m	East
9298315	Not classified	(Not classified) Not classified	Not classified	632m	West
9301821	Not classified	(Not classified) Not classified	Not classified	635m	East
9296987	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	638m	West
9301048	Not classified	(Not classified) Not classified	Not classified	640m	South East
9301054	Not classified	(Not classified) Not classified	Not classified	645m	South East
9301046	Not classified	(Not classified) Not classified	Not classified	648m	South East
9300206	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Far North Coastal Cypress Grassy Forest	Coastal Dune Dry Sclerophyll Forests	649m	South East
9298884	Not classified	(Not classified) Not classified	Not classified	660m	North
9301348	Not classified	(Not classified) Not classified	Not classified	664m	South East
9298054	Not classified	(Not classified) Not classified	Not classified	665m	South
9298904	Not classified	(Not classified) Not classified	Not classified	668m	North West
9301059	Not classified	(Not classified) Not classified	Not classified	670m	South East
9298300	Not classified	(Not classified) Not classified	Not classified	676m	West
9301794	Not classified	(Not classified) Not classified	Not classified	679m	East
9301815	Not classified	(Not classified) Not classified	Not classified	682m	East
9298049	Not classified	(Not classified) Not classified	Not classified	688m	South
9301825	Not classified	(Not classified) Not classified	Not classified	688m	East
9298044	Not classified	(Not classified) Not classified	Not classified	689m	South
9301063	Not classified	(Not classified) Not classified	Not classified	691m	South East
9301831	Not classified	(Not classified) Not classified	Not classified	691m	East
9301868	Not classified	(Not classified) Not classified	Not classified	692m	South East
9301826	Not classified	(Not classified) Not classified	Not classified	693m	East
9298695	Not classified	(Not classified) Not classified	Not classified	694m	North West
9301351	Not classified	(Not classified) Not classified	Not classified	695m	South East
9298933	Not classified	(Not classified) Not classified	Not classified	705m	North West
9301800	Not classified	(Not classified) Not classified	Not classified	705m	East
9301811	Not classified	(Not classified) Not classified	Not classified	707m	East
9298047	Not classified	(Not classified) Not classified	Not classified	709m	South
9298051	Not classified	(Not classified) Not classified	Not classified	709m	South
9301832	Not classified	(Not classified) Not classified	Not classified	710m	East
9301856	Not classified	(Not classified) Not classified	Not classified	713m	South East
9298046	Not classified	(Not classified) Not classified	Not classified	715m	South

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9301399	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	715m	East
9298909	Not classified	(Not classified) Not classified	Not classified	716m	North
9301355	Not classified	(Not classified) Not classified	Not classified	721m	South East
9301805	Not classified	(Not classified) Not classified	Not classified	721m	East
9298887	Not classified	(Not classified) Not classified	Not classified	725m	North
9301036	Not classified	(Not classified) Not classified	Not classified	727m	South East
9298050	Not classified	(Not classified) Not classified	Not classified	729m	South
9298914	Not classified	(Not classified) Not classified	Not classified	732m	North West
9301115	Not classified	(Not classified) Not classified	Not classified	735m	South East
9298043	Not classified	(Not classified) Not classified	Not classified	737m	South
9298045	Not classified	(Not classified) Not classified	Not classified	738m	South
9298902	Not classified	(Not classified) Not classified	Not classified	741m	North
9301394	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	744m	East
9301865	Not classified	(Not classified) Not classified	Not classified	746m	South East
9298875	Not classified	(Not classified) Not classified	Not classified	754m	North West
9301056	Not classified	(Not classified) Not classified	Not classified	758m	South
9301072	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	765m	South East
9301406	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	769m	East
9301835	Not classified	(Not classified) Not classified	Not classified	771m	East
9298869	Not classified	(Not classified) Not classified	Not classified	772m	North
9298681	Not classified	(Not classified) Not classified	Not classified	773m	North West
9301031	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	773m	South
9301389	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Clarence Lowland Ironbark-Spotted Gum Grassy Forest	Clarence Dry Sclerophyll Forests	774m	East
9301097	Not classified	(Not classified) Not classified	Not classified	778m	South East
9301863	Not classified	(Not classified) Not classified	Not classified	784m	South East
9298770	Not classified	(Not classified) Not classified	Not classified	785m	North West
9298173	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	790m	West
9301823	Not classified	(Not classified) Not classified	Not classified	792m	East
9298088	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	800m	South
9298053	Not classified	(Not classified) Not classified	Not classified	805m	South
9301069	Freshwater Wetlands	(Freshwater Wetlands) Northern Lower Floodplain Eleocharis Wetland	Coastal Freshwater Lagoons	807m	South East
9297053	Not classified	(Not classified) Not classified	Not classified	808m	West
9298739	Not classified	(Not classified) Not classified	Not classified	811m	North West
9301058	Not classified	(Not classified) Not classified	Not classified	813m	South
9301358	Not classified	(Not classified) Not classified	Not classified	814m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9298693	Not classified	(Not classified) Not classified	Not classified	827m	North West
9301796	Not classified	(Not classified) Not classified	Not classified	827m	East
9298055	Not classified	(Not classified) Not classified	Not classified	831m	South
9296983	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	834m	West
9301029	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	834m	South
9301390	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Clarence Sandstone Rises Spotted Gum Grassy Forest	Clarence Dry Sclerophyll Forests	842m	East
9297643	Forested Wetlands	(Forested Wetlands) Northern Lowland Swamp Turpentine-Red Gum Forest	Coastal Floodplain Wetlands	843m	South
9301628	Not classified	(Not classified) Not classified	Not classified	843m	East
9301105	Not classified	(Not classified) Not classified	Not classified	844m	South East
9301356	Not classified	(Not classified) Not classified	Not classified	847m	South
9301440	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	849m	North East
9298694	Not classified	(Not classified) Not classified	Not classified	852m	North West
9301295	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Northern Lowland Red Gum-Swamp Turpentine Grassy Forest	Clarence Dry Sclerophyll Forests	852m	North East
9298689	Not classified	(Not classified) Not classified	Not classified	855m	North West
9301637	Not classified	(Not classified) Not classified	Not classified	861m	East
9301052	Not classified	(Not classified) Not classified	Not classified	871m	South East
9301095	Not classified	(Not classified) Not classified	Not classified	872m	South East
9301053	Not classified	(Not classified) Not classified	Not classified	877m	South
9301296	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	879m	North East
9298923	Not classified	(Not classified) Not classified	Not classified	882m	North
9301111	Not classified	(Not classified) Not classified	Not classified	883m	South East
9298911	Not classified	(Not classified) Not classified	Not classified	887m	North West
9301114	Not classified	(Not classified) Not classified	Not classified	889m	South East
9298136	Not classified	(Not classified) Not classified	Not classified	895m	South
9301633	Not classified	(Not classified) Not classified	Not classified	896m	North East
9298143	Not classified	(Not classified) Not classified	Not classified	904m	South
9298160	Not classified	(Not classified) Not classified	Not classified	904m	South
9298757	Not classified	(Not classified) Not classified	Not classified	904m	North West
9298944	Not classified	(Not classified) Not classified	Not classified	904m	North
9301651	Not classified	(Not classified) Not classified	Not classified	910m	North East
9301834	Not classified	(Not classified) Not classified	Not classified	914m	East
9298741	Not classified	(Not classified) Not classified	Not classified	917m	North West
9298153	Not classified	(Not classified) Not classified	Not classified	920m	South
9298670	Not classified	(Not classified) Not classified	Not classified	920m	North West

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9298922	Not classified	(Not classified) Not classified	Not classified	923m	North West
9301861	Not classified	(Not classified) Not classified	Not classified	923m	South East
9298736	Not classified	(Not classified) Not classified	Not classified	924m	North West
9298905	Not classified	(Not classified) Not classified	Not classified	925m	North West
9301801	Not classified	(Not classified) Not classified	Not classified	925m	East
9301857	Not classified	(Not classified) Not classified	Not classified	927m	South East
9301656	Not classified	(Not classified) Not classified	Not classified	929m	North East
9298145	Not classified	(Not classified) Not classified	Not classified	932m	South
9301113	Not classified	(Not classified) Not classified	Not classified	933m	South East
9297056	Not classified	(Not classified) Not classified	Not classified	935m	West
9298934	Not classified	(Not classified) Not classified	Not classified	935m	North
9298759	Not classified	(Not classified) Not classified	Not classified	936m	North West
9298139	Not classified	(Not classified) Not classified	Not classified	938m	South
9298149	Not classified	(Not classified) Not classified	Not classified	938m	South
9301803	Not classified	(Not classified) Not classified	Not classified	939m	East
9301817	Not classified	(Not classified) Not classified	Not classified	939m	East
9301291	Dry Sclerophyll Forests (Shrub/grass sub-formation)	(Dry Sclerophyll Forests (Shrub/grass sub-formation)) Clarence Lowland Ironbark-Spotted Gum Grassy Forest	Clarence Dry Sclerophyll Forests	942m	North East
9298755	Not classified	(Not classified) Not classified	Not classified	945m	North West
9298058	Not classified	(Not classified) Not classified	Not classified	948m	South
9298469	Not classified	(Not classified) Not classified	Not classified	948m	West
9301658	Not classified	(Not classified) Not classified	Not classified	950m	North East
9298338	Not classified	(Not classified) Not classified	Not classified	951m	West
9298727	Not classified	(Not classified) Not classified	Not classified	951m	North West
9298876	Not classified	(Not classified) Not classified	Not classified	953m	North
9298924	Not classified	(Not classified) Not classified	Not classified	953m	North
9298061	Not classified	(Not classified) Not classified	Not classified	955m	South
9301107	Not classified	(Not classified) Not classified	Not classified	955m	South East
9298724	Not classified	(Not classified) Not classified	Not classified	960m	North West
9301098	Not classified	(Not classified) Not classified	Not classified	962m	South East
9301398	Forested Wetlands	(Forested Wetlands) Far North Floodplain Paperbark-Swamp Oak Forest	Coastal Swamp Forests	963m	East
9301862	Not classified	(Not classified) Not classified	Not classified	963m	South East
9298150	Not classified	(Not classified) Not classified	Not classified	964m	South
9301867	Not classified	(Not classified) Not classified	Not classified	965m	South East
9298900	Not classified	(Not classified) Not classified	Not classified	966m	North West
9298941	Not classified	(Not classified) Not classified	Not classified	968m	North

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
9298925	Not classified	(Not classified) Not classified	Not classified	974m	North
9298748	Not classified	(Not classified) Not classified	Not classified	975m	North West
9298083	Not classified	(Not classified) Not classified	Not classified	976m	South
9301308	Not classified	(Not classified) Not classified	Not classified	977m	North East
9298135	Not classified	(Not classified) Not classified	Not classified	979m	South
9298064	Not classified	(Not classified) Not classified	Not classified	980m	South
9301045	Not classified	(Not classified) Not classified	Not classified	981m	South
9301807	Not classified	(Not classified) Not classified	Not classified	981m	East
9298154	Not classified	(Not classified) Not classified	Not classified	984m	South
9301055	Not classified	(Not classified) Not classified	Not classified	985m	South
9298873	Not classified	(Not classified) Not classified	Not classified	987m	North
9298895	Not classified	(Not classified) Not classified	Not classified	988m	North
9298146	Not classified	(Not classified) Not classified	Not classified	989m	South
9298161	Not classified	(Not classified) Not classified	Not classified	993m	South
9298148	Not classified	(Not classified) Not classified	Not classified	995m	South
9298877	Not classified	(Not classified) Not classified	Not classified	997m	North
9300331	Not classified	(Not classified) Not classified	Not classified	999m	South East
9301073	Forested Wetlands	(Forested Wetlands) Northern Floodplain Paperbark Fern Swamp Forest	Coastal Swamp Forests	999m	South East

Ecological Constraints

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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

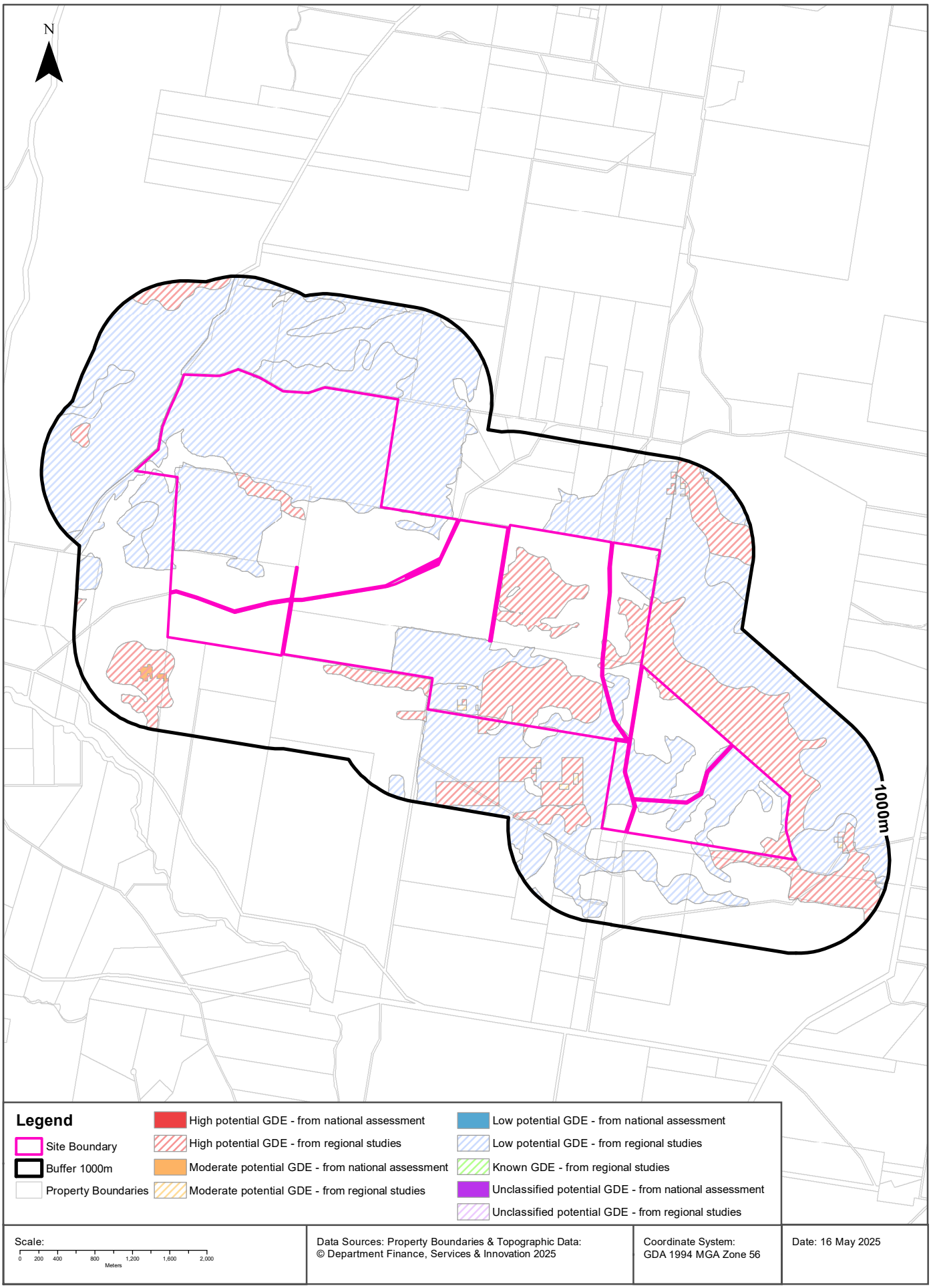
Protected areas in marine environments identified by the CAPAD within the dataset buffer:

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

Ecological Constraints - Groundwater Dependent Ecosystems Atlas

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Ecological Constraints

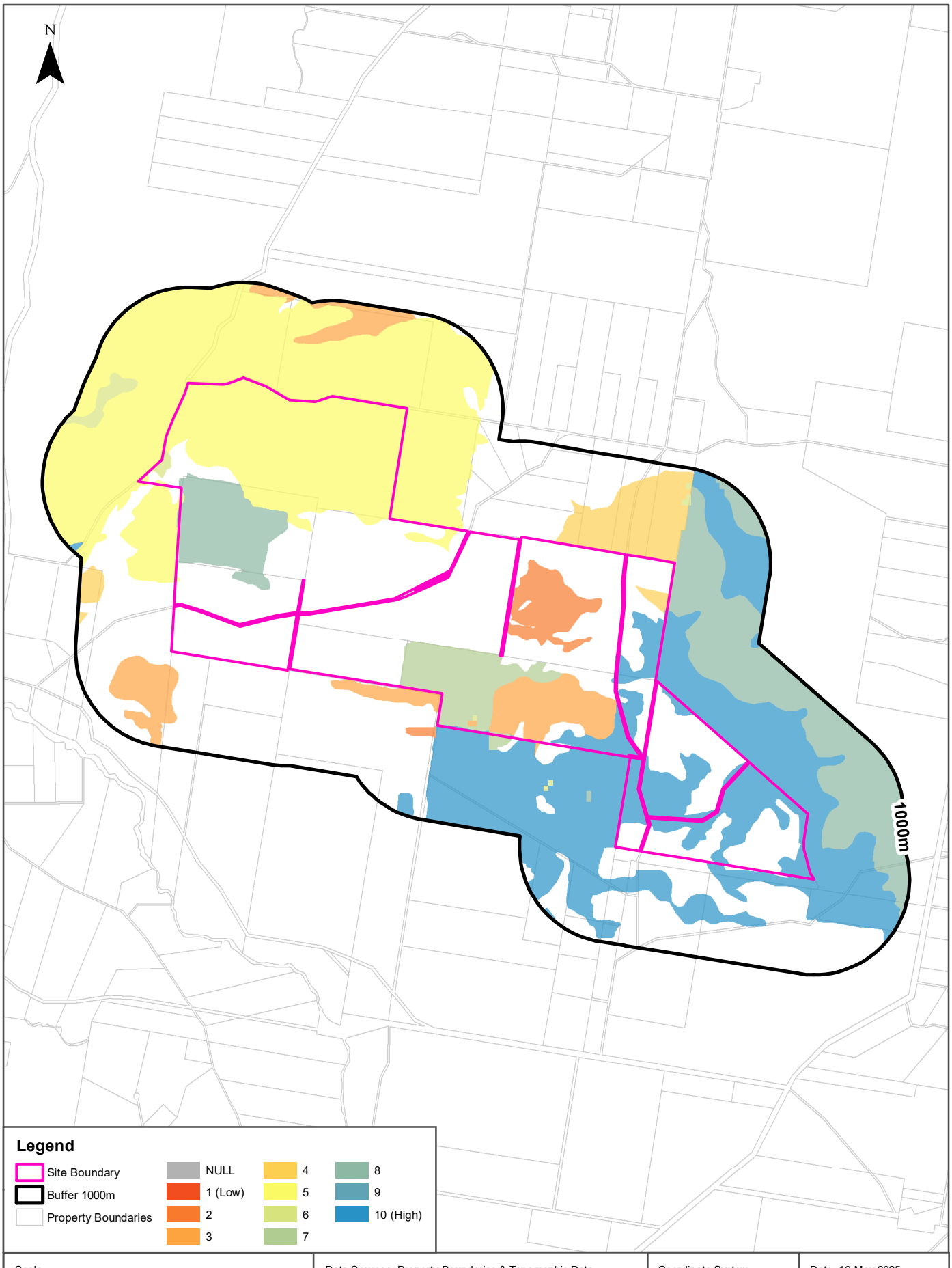
255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	High potential GDE - from regional studies	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	Moderate potential GDE - from regional studies	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	Low potential GDE - from regional studies	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Aquatic	Moderate potential GDE - from national assessment	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Wetland		350m	West

Ecological Constraints - Inflow Dependent Ecosystems Likelihood

255 and 420 Avenue Road, Myrtle Creek, NSW 2469



Ecological Constraints

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	8	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	2	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	4	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	5	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	10	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	6	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	7	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	9	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Terrestrial	3	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		0m	On-site
Aquatic	6	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Wetland		350m	West
Aquatic	3	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Wetland		392m	West

Ecological Constraints

255 and 420 Avenue Road, Myrtle Creek, NSW 2469

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	Amphibia	Crinia tinnula	Wallum Froglet	Not Sensitive	Vulnerable	Not Listed	
Animalia	Amphibia	Litoria brevipalmata	Green-thighed Frog	Not Sensitive	Vulnerable	Not Listed	
Animalia	Amphibia	Mixophyes iteratus	Giant Barred Frog	Category 2	Vulnerable	Vulnerable	
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Category 2	Critically Endangered	Critically Endangered	
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Botaurus poiciloptilus	Australasian Bittern	Not Sensitive	Endangered	Endangered	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Not Sensitive	Endangered	Not Listed	
Animalia	Aves	Calyptorhynchus banksii banksii	Red-tailed Black-Cockatoo (coastal subspecies)	Category 2	Critically Endangered	Not Listed	
Animalia	Aves	Calyptorhynchus lathami lathami	South-eastern Glossy Black-Cockatoo	Category 2	Vulnerable	Vulnerable	
Animalia	Aves	Circus assimilis	Spotted Harrier	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Cuculus optatus	Oriental Cuckoo	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Dromaius novaehollandiae	Emu	Not Sensitive	Endangered Population	Not Listed	
Animalia	Aves	Ephippiorhynchus asiaticus	Black-necked Stork	Not Sensitive	Endangered	Not Listed	
Animalia	Aves	Erythrotriorchis radiatus	Red Goshawk	Category 2	Endangered	Endangered	
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	Irediparra gallinacea	Comb-crested Jacana	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Not Sensitive	Vulnerable	Not Listed	
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	Melanodryas cucullata cucullata	South-eastern Hooded Robin	Not Sensitive	Endangered	Endangered	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Melithreptus gularis gularis	Black-chinned Honeyeater (eastern subspecies)	Not Sensitive	Vulnerable	Not Listed	
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	Pandion cristatus	Eastern Osprey	Category 3	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	Ptilinopus magnificus	Wompoo Fruit-Dove	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pyrrholaemus sagittatus	Speckled Warbler	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	Turnix maculosus	Red-backed Button-quail	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Tyto tenebricosa	Sooty Owl	Category 3	Vulnerable	Not Listed	
Animalia	Mammalia	Aepyprymnus rufescens	Rufous Bettong	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Chalinolobus nigrogriseus	Hoary Wattled 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	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	Notamacropus dorsalis	Black-striped Wallaby	Not Sensitive	Endangered	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	Phascogale tapoatafa	Brush-tailed Phascogale	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Planigale maculata	Common Planigale	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Pseudomys novaehollandiae	New Holland Mouse	Not Sensitive	Vulnerable	Vulnerable	
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	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Reptilia	Hoplocephalus bitorquatus	Pale-headed Snake	Not Sensitive	Vulnerable	Not Listed	
Plantae	Flora	Cyperus aquatilis	Water Nutgrass	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Eucalyptus glaucina	Slaty Red Gum	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Indigofera baileyi	Bailey's Indigo	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Lindernia alsinoides	Noah's False Chickweed	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Lindsaea incisa	Slender Screw Fern	Category 3	Endangered	Not Listed	
Plantae	Flora	Maundia triglochinoides		Not Sensitive	Vulnerable	Not Listed	
Plantae	Flora	Melaleuca irbyana	Weeping Paperbark	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Oldenlandia galioides	Sweet False Galium	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Owenia cepiodora	Onion Cedar	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Paspalidium grandispiculatum		Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Pedleya acanthoclada	Thorny Pea	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Persicaria elatior	Tall Knotweed	Not Sensitive	Vulnerable	Vulnerable	
Plantae	Flora	Phyllanthus microcladus	Brush Sauropus	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Polygala linariifolia	Native Milkwort	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Rhodomyrtus psidioides	Native Guava	Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Rotala tripartita		Not Sensitive	Endangered	Not Listed	

Source: NSW BioNet Species Sightings

Location Confidences

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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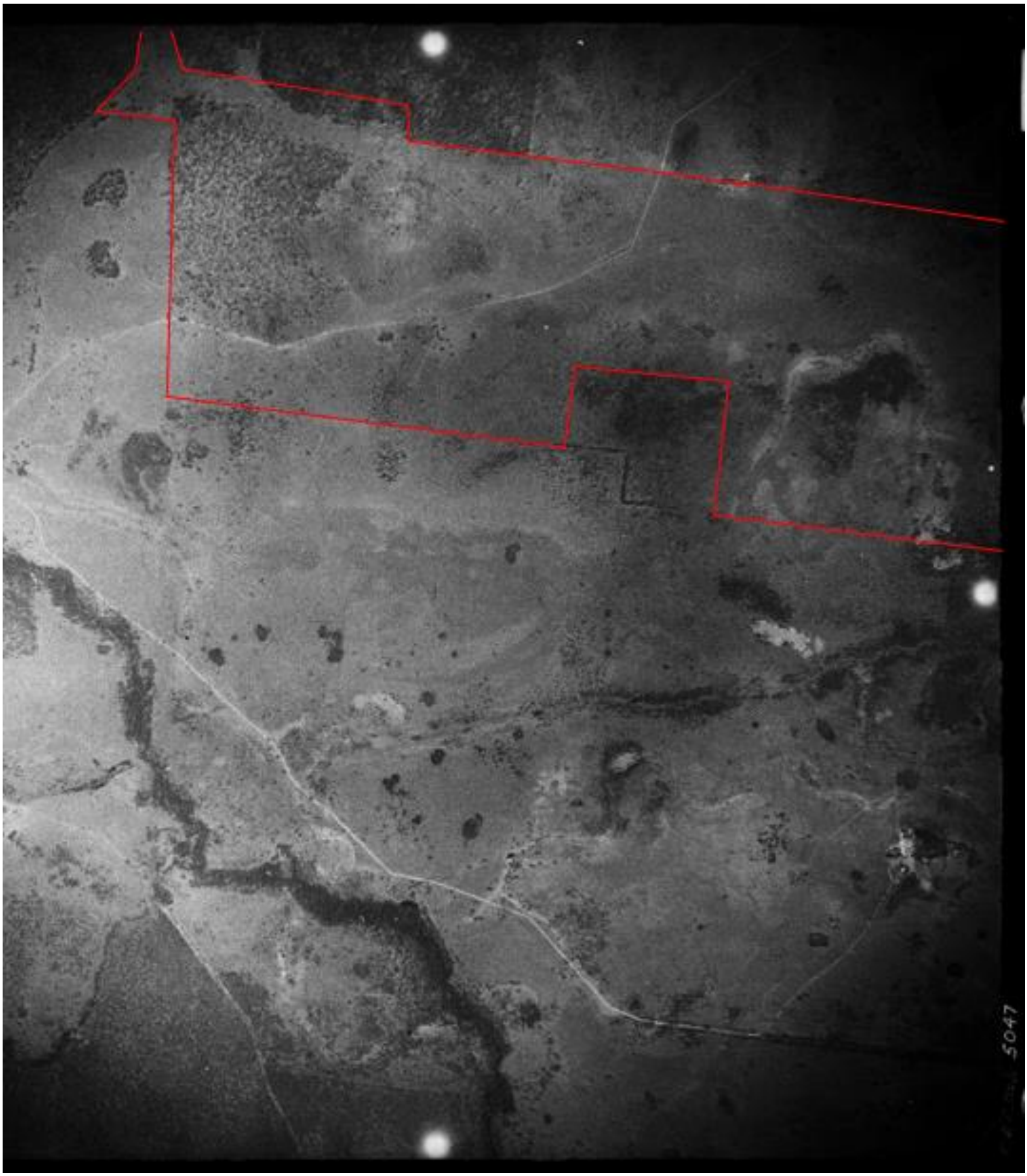
Appendix 2
Historical Photographs

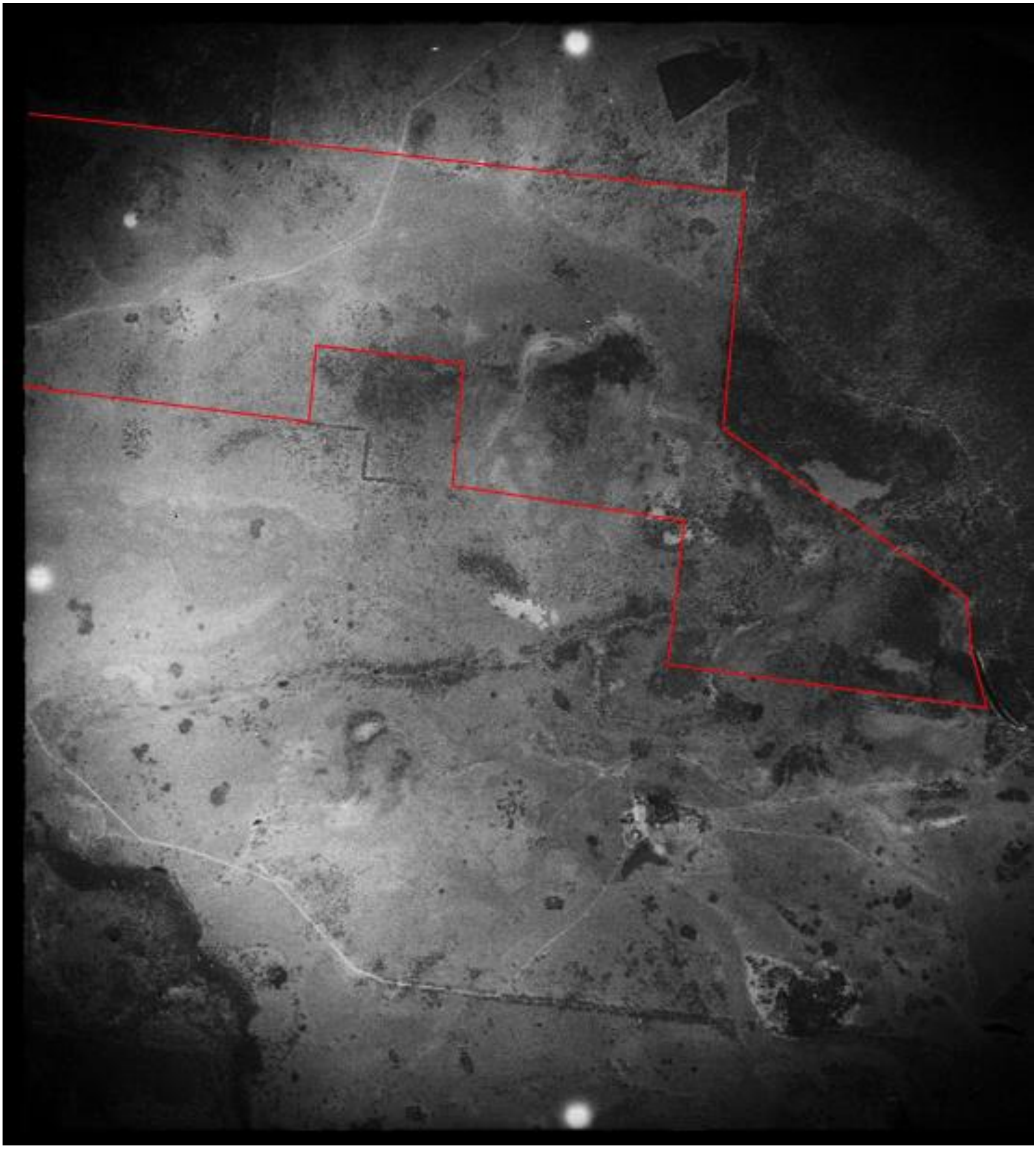
1953: Photo reference CAC_002_5047



Approximate Extent of Project Area

Minesoils

1953: Photo reference CAC_002_5048



Approximate Extent of Project Area

Minesoils

1964: Photo reference 1220_3W_179

— Approximate Extent of Project Area

Minesoils

1971: Photo reference 1957_02_062

Approximate Extent of Project Area

Minesoils

1980: Photo reference 2875_02_056

Approximate Extent of Project Area

Minesoils

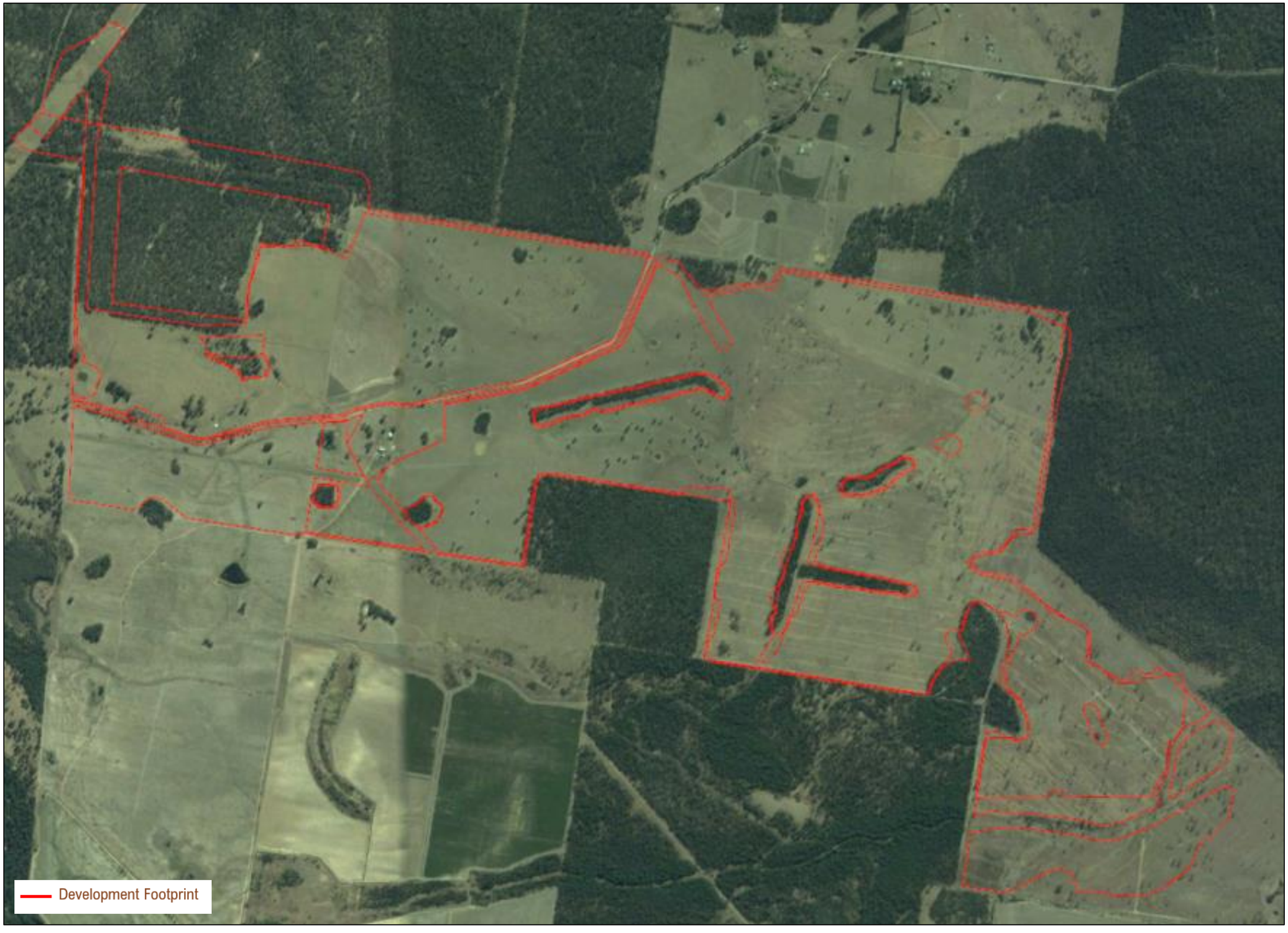
1998: Photo reference 4451_03_044

Approximate Extent of Project Area

Minesoils

1985: Google Earth 1985

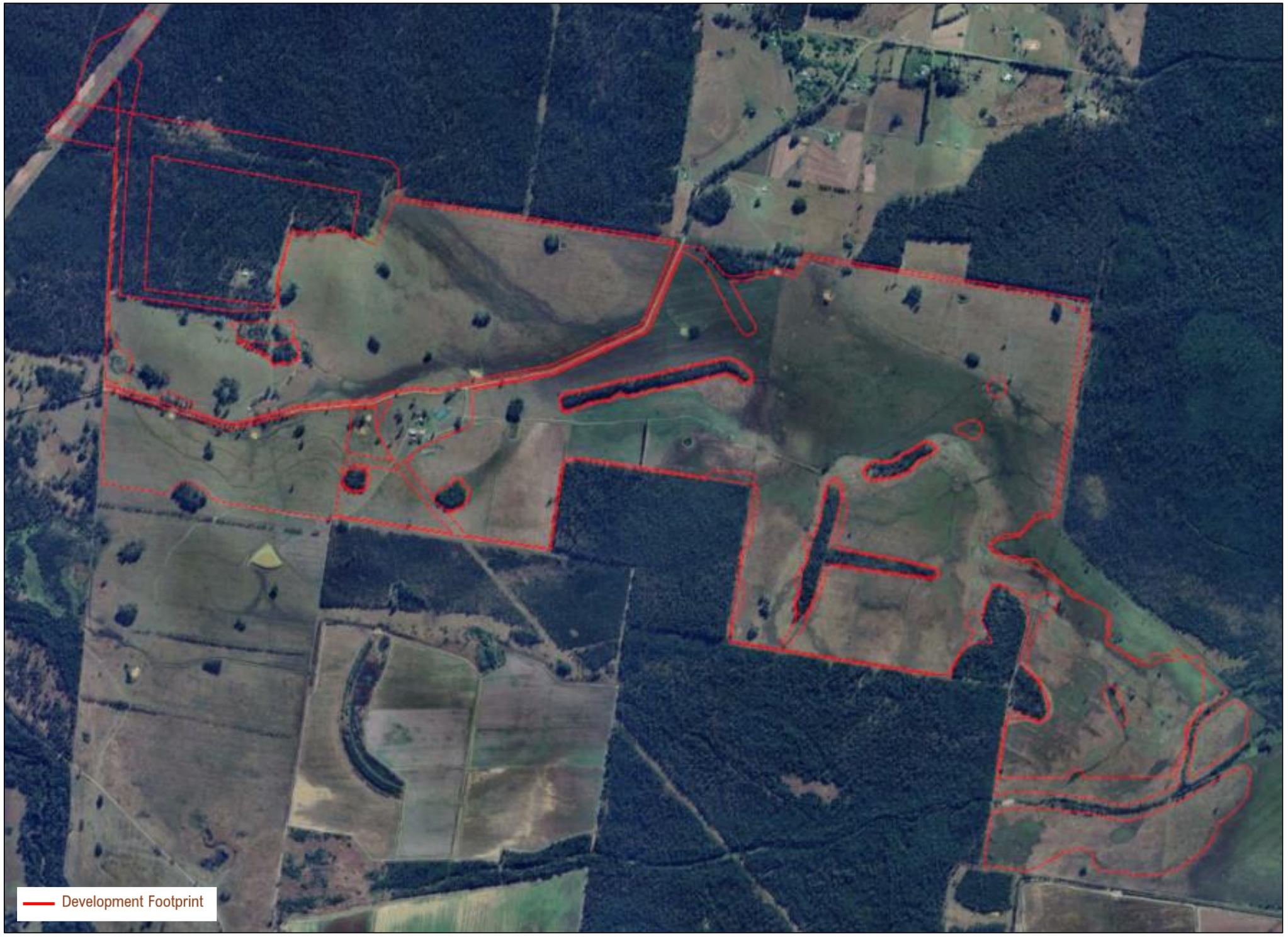
2006: Google Earth 2006



2011: Google Earth 2011

2018: Google Earth 2018

2024: Google Maps 2024



Appendix B: Visual Impact Assessment Memo

15th July 2025

Re: Richmond Valley Solar Farm (SSD-41020244) – Visual Impact Assessment

The purpose of this memo is to provide an assessment of the visual impacts relating to the proposed modification to the Richmond Valley Solar Farm (the Project). A Landscape and Visual Impact Assessment (LVIA) for the Project was prepared by Moir Studio for inclusion in the EIS in May 2024. As a result of consultation, biodiversity considerations and design updates post submission of the EIS, an Amendment Report (AR) was prepared by Umwelt in June 2025.

The Department of Planning, Housing and Infrastructure prepared a Request for Information (RFI) on the 25th of June 2025 requesting confirmation: *the assumptions within the visual assessment account for the height of solar panels and other infrastructure which is raised above the floodplain, as committed to within the RTS.*

The panel assessed by Moir Studio in the LVIA (2024) is shown in Figure 1. The Project was assessed with a maximum panel height of 4 metres. One of the key modifications in the AR was the modification to Solar Panel dimensions to reduce the panel height by 337 mm to adhere to WHS working at height considerations whilst ensuring the panel remained above the 1% AEP flood level.

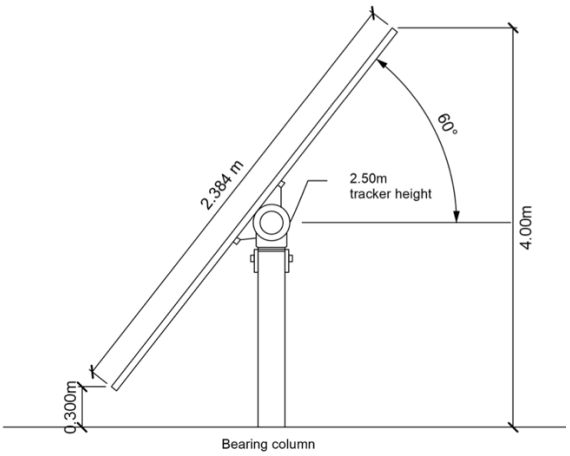


Figure 1. Superseded Panel Dimensions (Source: Moir LVIA, 2024)

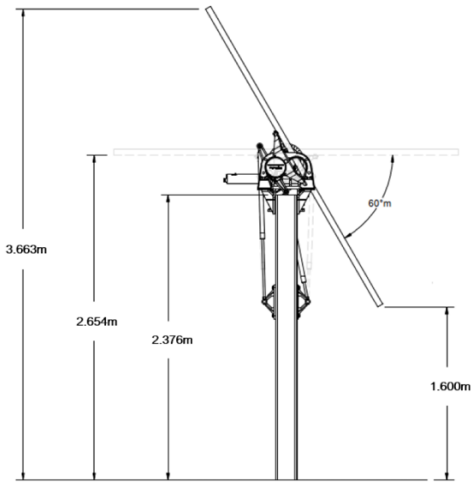


Figure 2. Revised Panel Dimensions (Source: Umwelt Amendment Report, 2025)

Moir Studio have reviewed the modified solar panel against the LVIA prepared in May 2024. The findings of the LVIA and Glint and Glare Report remain consistent with the modification including the adjustment to panel dimensions.

Ark Energy have commited to providing a 30 metre wide biodiversity buffer along the northern boundary of the Project Area. It was determined in the LVIA that once established the proposed landscape buffer would reduce visual impacts resulting from the Project from dwellings to the north. The effectiveness of the buffer remains relevant.

Please do not hesitate to reach out if you require any further details.

Ashley Robertson

Senior Associate
Moir Studio

Appendix C: Workforce Accommodation Correspondence

9 July 2025

Department of Planning
Housing and Infrastructure
4 Parramatta Square
12 Darcy Street
Parramatta NSW 2150

Dear Mr Tsambos

Subject: Richmond Valley Solar Farm SSD-41020244

Lismore City Council understands the Department of Planning, Housing and Infrastructure has requested evidence of consultation with the Council on the proposed approach to workforce accommodation for Richmond Valley Solar Farm SSD-41020244.

In the Development Application for the Project, it is outlined that:

- The average construction workforce requiring accommodation will be 120 workers across the 24-month construction period. During peak construction period (six months), 260 non-local workers will require accommodation within a 60-minute drive or the Project.

- An Accommodation, Employment and Procurement Strategy will be developed prior to construction that will:
  - Provide mechanisms to prioritise local employment with a focus on those with the requisite skill types who are currently unemployed.
  - Provide details regarding existing accommodation providers, including temporary accommodation providers and manufacturers.
  - Maintain an accommodation register for accommodation providers to register their interest in leasing their accommodation for use by the Project workforce.

Lismore City Council confirms that the Proponent has engaged with the Council on the proposed approach to workforce accommodation for the Project. Council is willing to liaise with the Proponent on accommodation availability and assist in coordination with accommodation providers as the Project progresses.

Yours sincerely

Eber Butron
General Manager