

7 February 2024

Ref: 79/2023

Scott Pearson  
C/- Newton Denny Chapelle  
Suite 1/31 Carrington Street  
**Lismore NSW 2480**

Dear Scott,

**Preliminary Land Use Conflict Risk Assessment to support a Planning Proposal to Tweed Shire Council (TSC) in relation to Lot 1 DP 818394 – Clothiers Creek Road, Clothiers Creek**

This letter provides the result of a Preliminary Land Use Conflict Risk Assessment (PLUCRA) to support a Planning Proposal to Tweed Shire Council (TSC) in relation to Lot 1 DP 818394 – Clothiers Creek Road, Clothiers Creek, which entails an application to allow a residential zone to part of the subject land to allow preparation of a Development Application for a proposed future dwelling. The property is currently zoned as a deferred matter (DM) under the Tweed Local Environmental Plan 2014. The rezoning would be to gain a dwelling entitlement for the future construction of a dwelling (subject to council approval).

LUCRA's were initially conceived in the *Living and Working in Rural Areas Handbook* (Department of Primary Industries et.al 2007) by the Centre for Coastal Agricultural Landscapes in partnership with the Northern Rivers Catchment Management Authority as a tool to better manage potential land use conflicts between residential development and rural activities and environmental attributes/assets on the NSW North Coast.

This LUCRA is a tool to better identify potential land use conflicts risks associated with the proposed development and where necessary propose mitigation options to address any unacceptable risks.

The actual width of the any buffer should in practice be dependent on the most limiting factor involved (i.e. the factor that will require the widest buffer). In theory, this would lead to all other factors being adequately addressed.

The proposed development should be designed to minimise instances of incompatibility such that normal farming practice are not inhibited and natural ecosystems and attributes are enhanced where possible. Where such instances do arise, measures to ameliorate potential conflicts should be devised wherever possible.

Conflict between residential development and agricultural land uses is likely to occur where residential land uses directly abut, or are sufficiently close to, farmland such that they are likely to be affected by agricultural activities. Such conflict can arise from the use of agricultural chemicals noise, dust and odour generating activities. Adverse impacts of residential development on farmland include sediment and stormwater run-off.

When considering potential land use conflict between residential and agricultural activities it is important to recognise that all agricultural activities:

- should incorporate reasonable and practicable measures to protect the environment in accord with the Protection of the Environment Operations Act (POEO) and associated industry specific guidelines; and
- are legally conducted as required by other legislation covering workplace health and safety, and the use and handling of agricultural chemicals.

Nevertheless, certain activities practised by even the most careful and responsible farmer may result in a nuisance to adjacent residential areas through, for example, unavoidable odour drift and noise impacts. Typical conflicts between agricultural activities and residential development as provided in **Table 1.1** below:

**Table 1.1 Typical Conflicts between Agricultural Activities and adjoining residential areas**

<b>Noise</b>	<ul style="list-style-type: none"> <li>• Farming equipment, pumps, spray machines, transport.</li> <li>• Ancillary equipment associated with on-farm processing.</li> </ul>
<b>Odour</b>	<ul style="list-style-type: none"> <li>• Fertilisers and chemicals;</li> <li>• Animal manure,</li> <li>• Composting,</li> <li>• Burial of carcasses</li> </ul>
<b>Health concerns</b>	<ul style="list-style-type: none"> <li>• Chemicals.</li> <li>• Spray drift.</li> </ul>
<b>Water</b>	<ul style="list-style-type: none"> <li>• Access.</li> <li>• Pumping.</li> <li>• Quantity.</li> <li>• Runoff, sedimentation</li> </ul>
<b>Smoke and ash</b>	<ul style="list-style-type: none"> <li>• Burning of pasture, stubble or 'rubbish'.</li> </ul>

The Living and Working in Rural Areas Handbook (NSW DPI et. al 2007), in particular Chapter 6 Development Control, provides guidance in the assessment and mitigation of potential land use conflict matters and has been used as a resource for this Land Use Conflict Risk Assessment (LUCRA). This preliminary LUCRA has been prepared to assist Council in assessing potential land use conflicts between the proposed development at the subject site and the neighbouring agricultural developments.

The subject site covers an area of 5.98ha and is located about 260m west of the village of Boganbar. A site locality diagram that shows the subject site is provided in **Attachment A**. The site is accessed via Clothiers Creek Road.

There is a small dam in the north adjacent to Clothiers Creek Road. A copy of the Planning Proposal is located in **Attachment B**.

The preparation of this Preliminary LUCRA has been limited to the following tasks:

1. A review of :
  - a. Preliminary Site Investigation Proposed Rezoning and Dwelling Entitlement Lot 1 DP 818394, Clothiers Creek Road Bogangar (HMC December 2023);
  - b. Preliminary Bushfire Hazard Assessment – Clothiers Creek Road, Bogangar (GeoLINK, 31 January 2024);
  - c. Lotsearch Enviro Pro report (see **Attachment C**); and
2. Site Inspection (see Site Photos **Attachment D**).

Information discerned through the afore-mentioned preliminary investigations has discerned:

1. The site is predominantly vegetated with a combination of Wet Sclerophyll Forests Far North Coastal Hills Blackbutt-Ironbark Forest, Dry Sclerophyll Forest and Forested Wetlands. Part of the low levels land adjacent to Clothiers Creek Road has been cleared while the remainder of the sloping terrain towards the mid and southern sections of the site is vegetated with native species with the exception of a cleared area at about 80mAHD, currently used for intermittent camping.
2. The property has generally remained heavily vegetated, located adjacent to the Cudgen Nature Reserve and Round Mountain, with intermittent clearing visible, particularly in the 1971 historic aerial photography.
3. There is a small existing garden shed and remnants of livestock yards on the north-western portion of the property that these were used as part of a paddock which housed the donkeys used by the nearby Cudgen Lake Resort (HMC 2023). This is supported by the existing vehicle track being named “Donkey Trail”.
4. A review of historic aerial photography and topographic mapping did not show any intensive agricultural use occurring on the site during the period 1942-2023.

5. Site soils include:
- a. Hydrosol (Northern section):
    - i. 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)
  - b. Dermosol (Southern Section)
    - i. Hilly to steep hilly with narrow valleys along the streams: moderate to steep slopes of yellow leached friable earths (Gn3.74) and (Gn3.84) with red friable earths (Gn3.14) often codominant
6. Surface runoff would flow generally north towards the nearby canals, which would discharge into Cudgen Lake.
7. Groundwater vulnerability is not mapped for the site (see **Attachment C**). The property is located nearby to Cudgen Lake; however, it is on the elevated slopes of Round Mountain, and therefore is not expected to have shallow groundwater.
8. A review of registered groundwater bore (NSW Office of Water) shows the nearest mapped registered groundwater bore is GW306942, located approximately 350m east of the site. The bore is registered as a test bore.
9. Surrounding Land uses comprise:
- a. West: Cudgen Nature Reserve with uncleared bushland
  - b. East: Native Vegetation and thereafter Boganbar Village
  - c. South: Urban residential, commercial (Cabarita Beach Bowls and Sports Club)
  - d. North: Clothiers Creek Road, Vacant Rural zoned land with uncleared bushland, canals
2. Lot 2 DP1273771, No 2 Clothiers Creek Road is located to the north, east and south of the subject site. The northern portion of Lot 2 DP1273771, is located across Clothiers Creek Road and is the closest rural zoned land to the subject site.
- a. Northern Portion:
    - i. There is no direct line of sight between the subject site and the northern rural zoned land on Lot 2 DP1273771 due to the significant vegetated buffer along the southern boundary of Lot 2 DP1273771. The property is low lying, covered with a significant amount of forested wetland, adjacent to Clothiers Creek and covers an area of 21.24ha.
    - ii. Whilst there is evidence from historical aerial photography (see **Attachment C**) that parts of the northern portion of Lot 2 DP1273771 have been cleared of native vegetation as far back as 1942 and which may have been used for cattle grazing, given the poor soil fertility, cattle head per hectare would be very low. If cattle were introduced given the very low intensity of cattle per hectare, the likelihood of land use conflict with

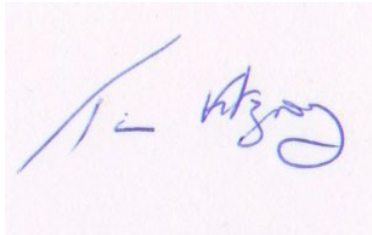


- future rural residential within the subject planning proposal is deemed to be negligible.
- iii. There is no evidence of cropping on the subject site over the almost 80 years of historical aerial photography primarily due to low soil fertility, high water table and acid soil.
  - b. Eastern and Southern Portion
    - i. The eastern and southern portions of Lot 2 DP1273771 are partly forested wetlands, zoned 7(l) Environmental Protection (Habitat) under the former Tweed Local Environmental Plan 2000, comprising a combination of low lying and undulating country
  - 2. Lot 325 DP 755701 is located to the west of the subject site, covering an area of 87.88ha is part of the Cudgen Nature Reserve. The site includes High Conservation Value Old Growth Forest

A Plan indicating the subject site and surrounding land uses can be found in **Attachment E**.

From our preliminary assessment of the subject site and surrounding land uses there does not appear to be any significant potential land use conflicts between the Planning Proposal and rural activities in the locale.

Kind regards,



**Tim Fitzroy**  
Environmental Health Scientist  
Environmental Auditor

**Attachment A      Site Locality**



Attachment B      Planning Proposal

NDC to Supply

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Attachment C

Lotsearch

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# LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

**Date: 17 Nov 2023 12:35:42**

**Reference: LS050189 EP**

**Address: 1 Clothiers Creek Road, Clothiers Creek, NSW 2484**

**Disclaimer:**

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

## Dataset Listing

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

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	14/09/2023	14/09/2023	Quarterly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	22/08/2022	22/08/2022	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	16/10/2023	10/10/2023	Monthly	1000m	0	0	0
Contaminated Land Records of Notice	Environment Protection Authority	06/10/2023	06/10/2023	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority	16/10/2023	14/07/2021	Quarterly	1000m	0	0	0
Notices under the POEO Act 1997	Environment Protection Authority	26/07/2023	26/07/2023	Monthly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	26/05/2022	07/03/2017	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	20/09/2023	07/09/2020	Annually	1000m	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority	23/10/2023	23/09/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	19/10/2023	19/10/2023	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	19/10/2023	19/10/2023	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	19/10/2023	19/10/2023	Monthly	2000m	0	0	0
Defence Controlled Areas	Department of Defence	10/10/2023	10/10/2023	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	19/10/2023	02/09/2022	Quarterly	2000m	0	0	0
National Unexploded Ordnance (UXO)	Department of Defence	10/10/2023	10/10/2023	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	13/11/2023	15/12/2022	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	23/10/2023	23/10/2023	Monthly	1000m	0	0	0
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	23/10/2023	23/10/2023	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	23/10/2023	23/10/2023	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	1
Cattle dips of the Northern Rivers region	NSW Dept. of Primary Industries	06/10/2023	06/10/2023	Annually	1000m	0	0	0
Points of Interest	NSW Department of Customer Service - Spatial Services	13/11/2023	13/11/2023	Quarterly	1000m	0	0	13
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	13/11/2023	13/11/2023	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	13/11/2023	13/11/2023	Quarterly	1000m	0	0	0
Major Easements	NSW Department of Customer Service - Spatial Services	19/10/2023	19/10/2023	Quarterly	1000m	0	0	1
State Forest	Forestry Corporation of NSW	16/08/2022	14/08/2022	Annually	1000m	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	16/02/2023	31/12/2022	Annually	1000m	0	1	1



Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	29/08/2022	19/08/2019	As required	1000m	1	1	1
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	09/05/2023	23/02/2018	Annually	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	18/04/2023	13/07/2022	Annually	2000m	0	0	33
NSW Seamless Geology Single Layer: Rock Units	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	1	2	13
NSW Seamless Geology – Single Layer: Trendlines	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	0	0	0
NSW Seamless Geology – Single Layer: Geological Boundaries and Faults	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	0	0	0
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Annual	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000m	2	2	3
Soil Landscapes of Central and Eastern NSW	NSW Department of Planning, Industry and Environment	18/08/2022	27/07/2020	Annually	1000m	2	4	10
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	10/10/2023	01/09/2023	Monthly	500m	2	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	2	2	3
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	16/10/2023	16/10/2023	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Industry	23/10/2023	23/10/2023	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Industry	23/10/2023	23/10/2023	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Industry	23/10/2023	23/10/2023	Monthly	1000m	9	9	10
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	31/08/2023		Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	10/10/2023	15/09/2023	Monthly	1000m	1	6	40
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	20/10/2023	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	20/10/2023	13/04/2022	Annually	1000m	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	06/09/2023	03/03/2023	Quarterly	1000m	0	1	1
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Industry and Environment	10/10/2023	22/09/2023	Monthly	1000m	1	2	6
Bush Fire Prone Land	NSW Rural Fire Service	28/09/2023	15/08/2023	Monthly	1000m	2	3	4
NSW Native Vegetation Type Map	NSW Department of Planning and Environment	26/05/2023	12/12/2022	Quarterly	1000m	5	8	22
Ramsar Wetlands of Australia	Australian Government Department of Agriculture, Water and the Environment	09/05/2023	01/11/2022	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	1	3	7
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	1	3	8
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	17/11/2023	17/11/2023	Weekly	10000m	-	-	-

# Site Diagram

1 Clothiers Creek Road, Clothiers Creek, NSW 2484



<b>Legend</b>  <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	<b>Total Area:</b> 59861m <sup>2</sup> <b>Total Perimeter:</b> 1.05km	
	<b>Scale:</b> 0 25 50 Meters	
	<b>Data Source Aerial Imagery:</b> © Aerometrex Pty Ltd	
<b>Disclaimers:</b>  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.	<b>Coordinate System:</b> GDA 1994 MGA Zone 56	<b>Date:</b> 17 November 2023

# Contaminated Land

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## List of NSW contaminated sites notified to EPA

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

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

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

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

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



## Contaminated Land

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

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

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

### Former Gasworks

Former Gasworks within the dataset buffer:

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

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

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## Contaminated Land

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### EPA Notices

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

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

NSW EPA Notice Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

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# Waste Management & Liquid Fuel Facilities

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## National Waste Management Site Database

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

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist	Direction
N/A	No records in buffer											

Waste Management Facilities Data Source: Geoscience Australia  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## National Liquid Fuel Facilities

National Liquid Fuel Facilities 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  
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# PFAS Investigation & Management Programs

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## EPA PFAS Investigation Program

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

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

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

## Defence PFAS Investigation Program

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

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

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

## Defence PFAS Management Program

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

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

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

## Airservices Australia National PFAS Management Program

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

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

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

# Defence Sites and Unexploded Ordnance

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## 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

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## EPA Other Sites with Contamination Issues

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

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

Sites within the dataset buffer:

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

EPA Other Sites with Contamination Issues: Environment Protection Authority  
© State of New South Wales through the Environment Protection Authority

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# EPA Activities

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## Licensed Activities under the POEO Act 1997

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

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

POEO Licence Data Source: Environment Protection Authority  
© State of New South Wales through the Environment Protection Authority

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## EPA Activities

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Delicensed Activities still regulated by the EPA

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

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

Delicensed Activities Data Source: Environment Protection Authority  
© State of New South Wales through the Environment Protection Authority

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

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

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
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  
© State of New South Wales through the Environment Protection Authority



## Historical Business Directories

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Business Directory Records 1950-1991 Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

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

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## Business Directory Records 1950-1991 Road or Area Matches

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

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

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# DRAFT

# Dry Cleaners, Motor Garages & Service Stations

1 Clothiers Creek Road, Clothiers Creek, NSW 2484



<b>Legend</b> <ul style="list-style-type: none"><li>Site Boundary</li><li>Buffer 500m</li><li>Property Boundary</li><li>Business directory records mapped to a specific premise</li><li>Business directory records mapped to a road intersection</li><li>Business directory records mapped to a road corridor</li><li>Business directory records mapped to a general area</li></ul>	<b>Scale:</b> 0 100 200 300 400 Meters	<b>Coordinate System:</b> GDA 1994 MGA Zone 56 <b>Date:</b> 17 November 2023 <b>Data Sources:</b> Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018 Property Boundaries © NSW Department Finance, Services & Innovation 2023
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## Historical Business Directories

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

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

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

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

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

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

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Cabarita Ski Gardens, Tamarind Ave., Cabarita Beach (Bogangar)	604491	1970	Road Match	289m

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# DRAFT

## Cattle Dips

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## 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
N/A	No records in buffer						

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

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Aerial Imagery 2014

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





Aerial Imagery 2009

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





Aerial Imagery 2003

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





Aerial Imagery 1997

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





Aerial Imagery 1989

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





Aerial Imagery 1979

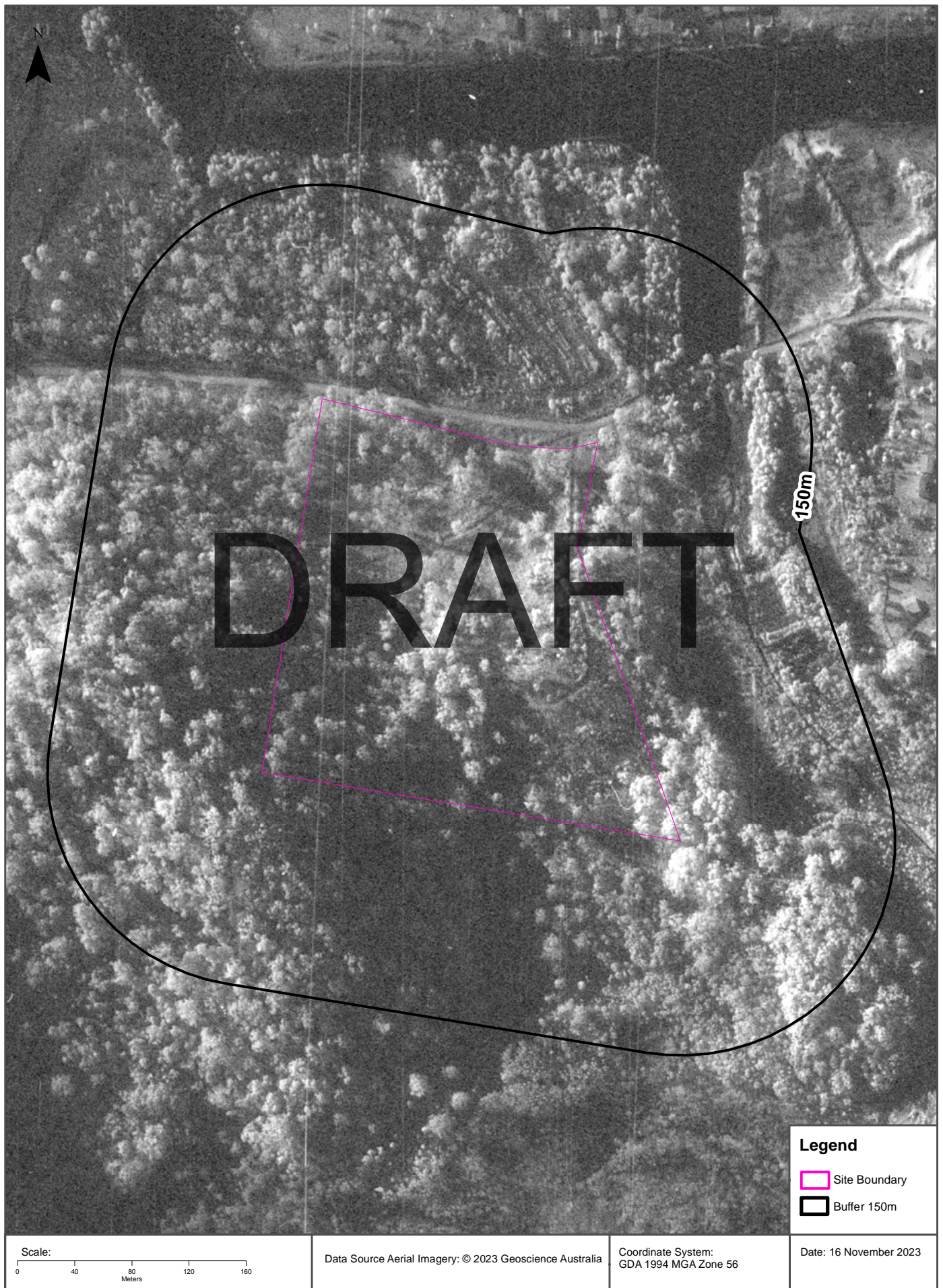
1 Clothiers Creek Road, Clothiers Creek, NSW 2484



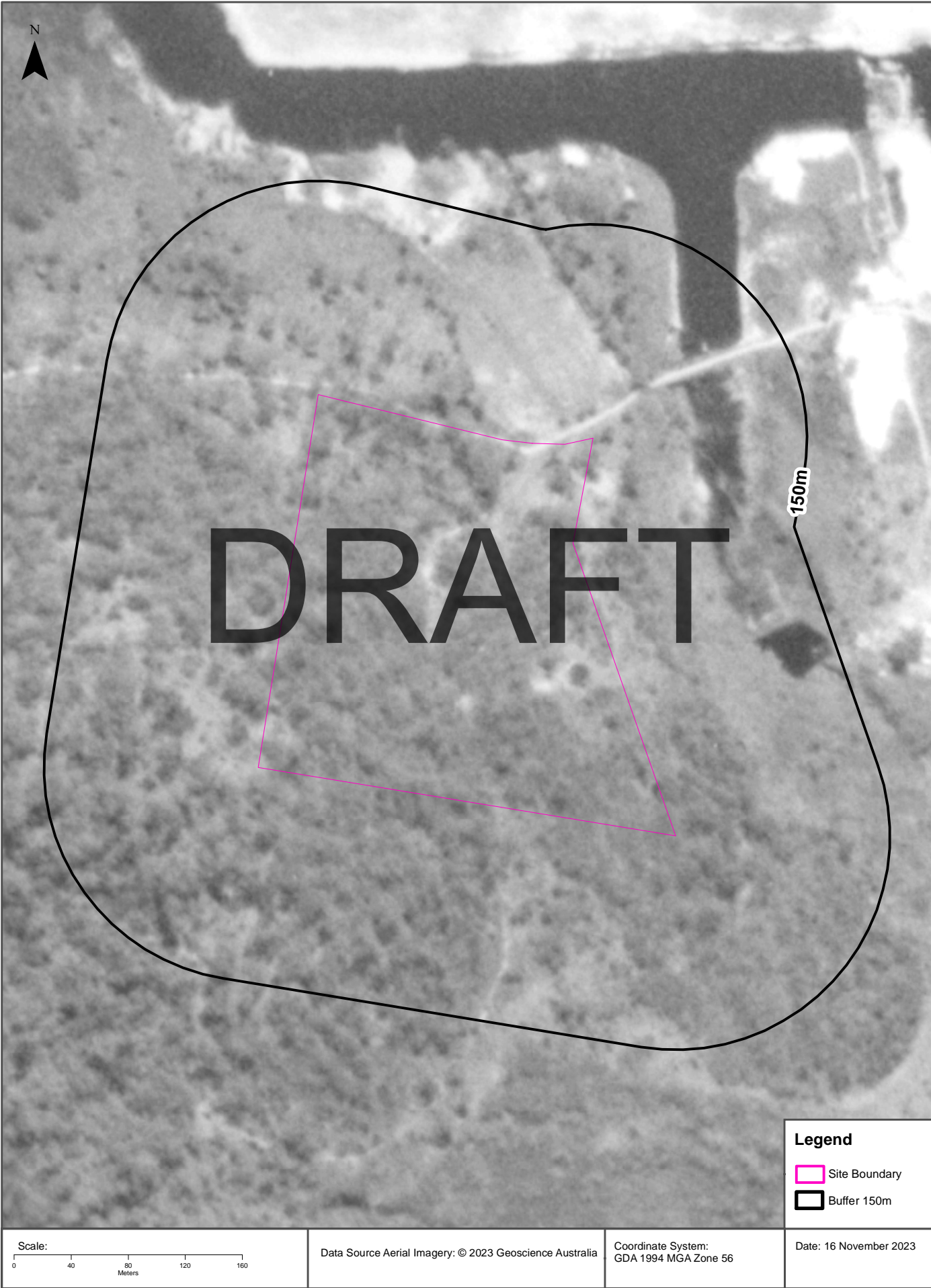


## Aerial Imagery 1974

1 Clothiers Creek Road, Clothiers Creek, NSW 2484









# Aerial Imagery 1953

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





Aerial Imagery 1947

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





# Topographic Map 2015

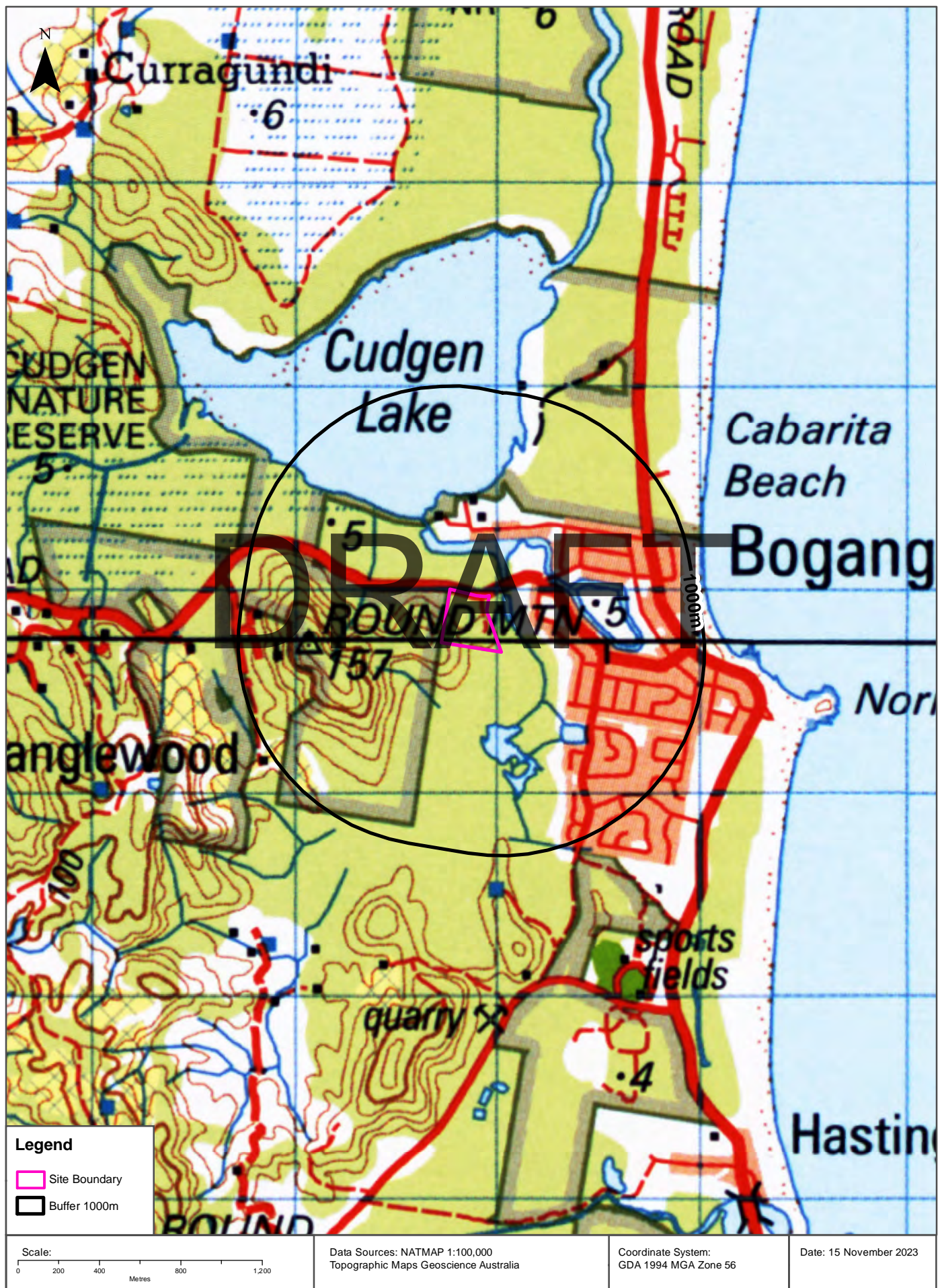
1 Clothiers Creek Road, Clothiers Creek, NSW 2484





## Historical Map 2005

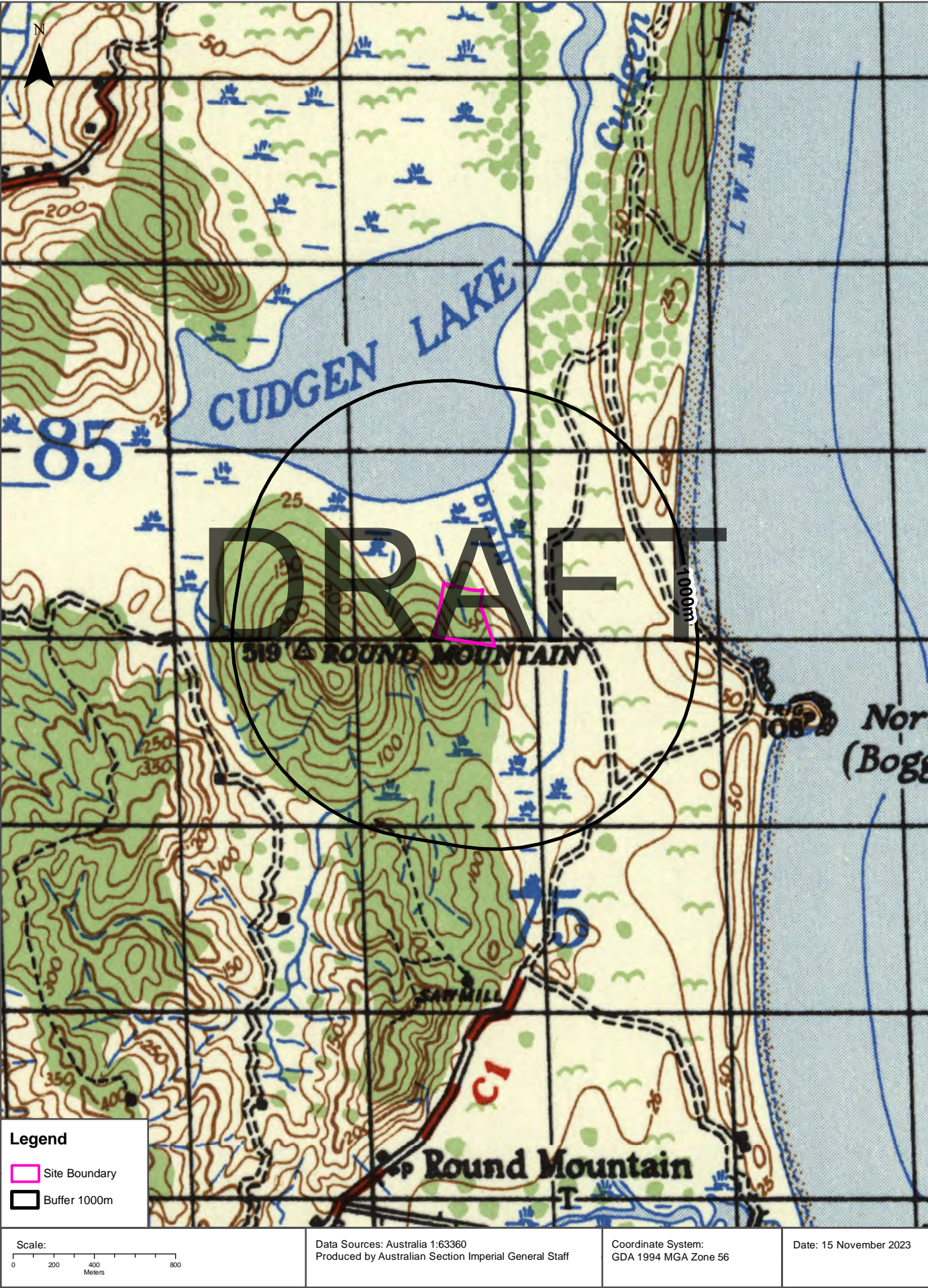
1 Clothiers Creek Road, Clothiers Creek, NSW 2484





Historical Map c.1942

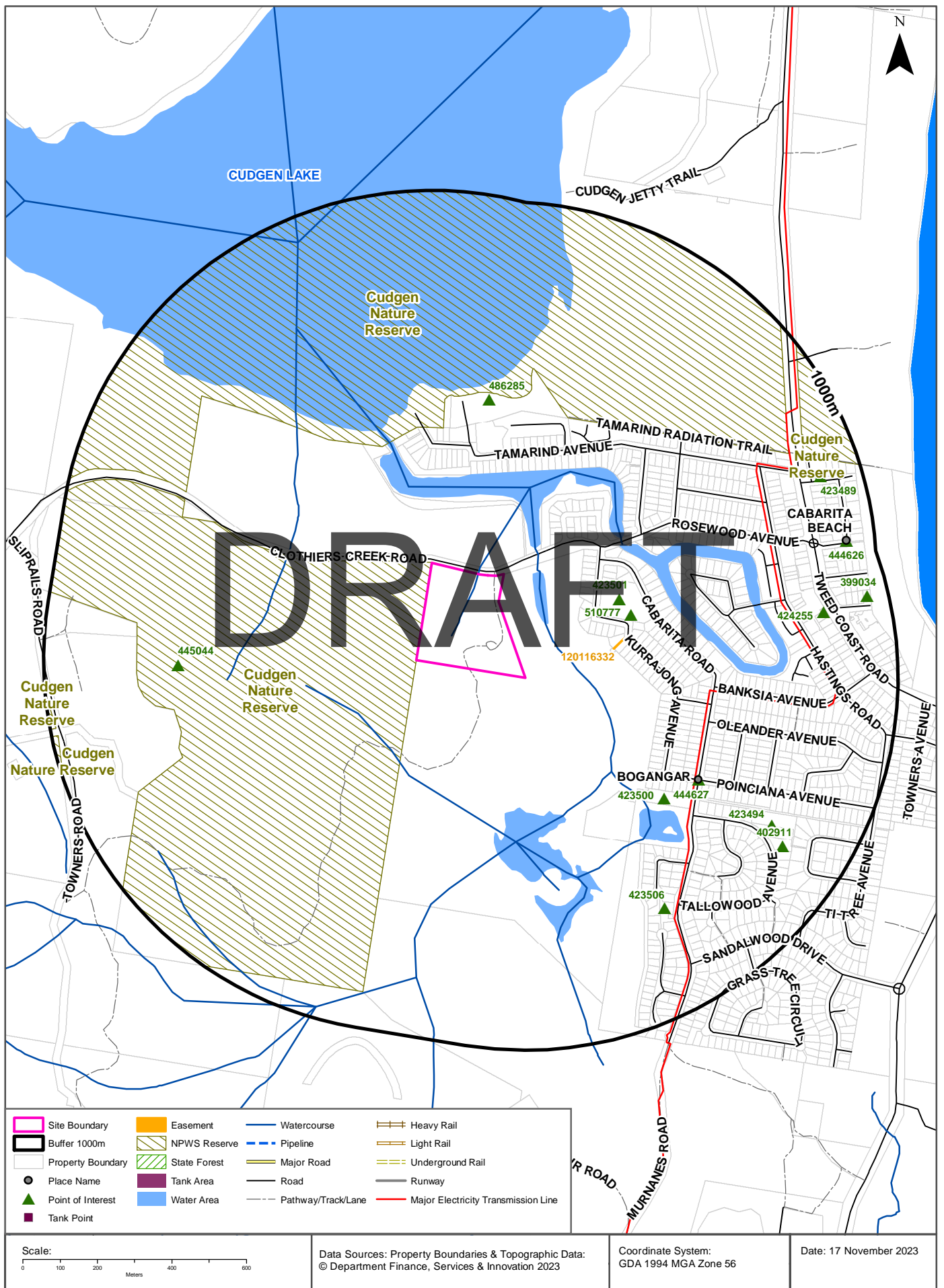
1 Clothiers Creek Road, Clothiers Creek, NSW 2484





# Topographic Features

1 Clothiers Creek Road, Clothiers Creek, NSW 2484



# Topographic Features

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
423501	Sports Field	BOWLING GREENS	307m	East
510777	Club	CABARITA BEACH SPORTS CLUB	324m	East
486285	Golf Course	MINI GOLF	462m	North
423500	Place Of Worship	BAPTIST CHURCH	493m	South East
444627	Village	BOGANGAR	539m	South East
445044	Mountain Like	ROUND MOUNTAIN	639m	West
423506	Park	Park	723m	South East
423494	Park	BARBARA ROCHESTER PARK	771m	South East
424255	Post Office	BOGANGAR POST OFFICE	819m	East
402911	Child Care Centre	PIPPIES EARLY CHILDHOOD CENTRE	825m	South East
423489	Tourist Park / Home Village	CABARITA BEACH CARAVAN PARK	890m	North East
444626	Village	CABARITA BEACH	924m	East
399034	Community Facility	CABARITA BEACH SLSC	943m	East

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

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# Topographic Features

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## 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					

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

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## Major Easements

What Major Easements exist within the dataset buffer?

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

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120116332	Primary	Undefined		249m	East

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

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## Topographic Features

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### State Forest

What State Forest exist within the dataset buffer?

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

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

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### National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N0716	NATURE RESERVE	Cudgen Nature Reserve	22/12/1995	0m	North West

NPWS Data Source: © NSW Department of Finance, Services & Innovation (2018)

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## Hydrogeology & Groundwater

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Porous, extensive highly productive aquifers	0m	On-site

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)

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### Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

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 2018 Data Source : NSW Department of Primary Industries

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# Hydrogeology & Groundwater

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## 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
10094919	GW306942	Monitoring	Functioning	30/09/2011	24.00		AHD	50	1.500	5.00	279m	East
10129059	GW301675	Water Supply	Unknown	26/10/1998	8.00		AHD				411m	East
10098289	GW304879	Water Supply	Unknown	03/11/2004	4.50		AHD	100		2.80	418m	East
10086807	GW304910	Water Supply	Unknown	08/11/2004	5.50		AHD	400	0.500	2.90	438m	East
10019990	GW305701	Water Supply	Unknown	28/03/2006	6.00		AHD				472m	South East
10009680	GW308011	Water Supply	Abandoned	16/08/2016	3.70		AHD				600m	East
10019992	GW306588	Water Supply	Functioning	01/02/2010	7.90		AHD		0.400	1.60	615m	East
10087685	GW305075	Water Supply	Unknown	25/09/1996	10.00		AHD				708m	East
10065103	GW303546	Water Supply	Functioning	26/03/2003			AHD				827m	South East
10020491	GW303526	Water Supply	Functioning	01/01/1980	3.50		AHD				850m	South East
10021918	GW306299	Water Supply	Functioning	26/11/2007	11.50		AHD		0.400	2.10	891m	South East
10151086	GW307767	Water Supply	Functioning	23/10/2014	4.50		AHD		5.000		891m	South East
10097372	GW304872	Water Supply	Unknown	24/08/2004	5.00		AHD		0.500	3.00	926m	East
10083361	GW305458	Water Supply	Functioning	02/11/2005	6.00		AHD	0.1	0.500	2.00	933m	South East
10106022	GW308598	Water Supply	Functioning	21/01/2020	6.00		AHD				941m	South East
10063247	GW303554	Water Supply	Unknown	17/04/1998	9.00		AHD	Good	0.100	2.00	969m	South East
10064342	GW306041	Water Supply	Functioning	30/11/2006	6.00		AHD			3.00	971m	South East
10127100	GW301130	Water Supply	Functioning	16/02/1998	10.00		AHD				982m	South East
10084449	GW305004	Water Supply	Unknown	01/12/2001	4.50		AHD		0.500	3.00	1014m	South East
10110840	GW308631	Water Supply	Functioning	20/05/2019	4.90		AHD				1014m	East
10103451	GW306363	Water Supply	Functioning	24/11/2008	8.20		AHD		0.400	2.00	1016m	South East
10122135	GW303344	Water Supply	Functioning				AHD				1047m	South East
10026050	GW305021	Water Supply	Unknown	01/12/2001	4.50		AHD	0.1	0.500	3.20	1066m	South East
10073857	GW306326	Water Supply	Functioning	19/10/2007	24.00		AHD	940	0.730	5.20	1173m	East
10123176	GW300515	Water Supply	Unknown	08/04/1995	10.00		AHD				1194m	South East
10063120	GW300563	Other	Unknown	30/09/1995			AHD				1224m	North East
10075395	GW304850	Water Supply	Unknown	11/06/2004	7.10		AHD		0.400	4.20	1227m	East
10030796	GW306203	Monitoring	Functional	27/08/2007	9.00		AHD			5.20	1423m	South East
10026032	GW306204	Monitoring	Functional	27/08/2007	9.00		AHD			5.20	1455m	South East

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
10050232	GW303157	Water Supply	Unknown	22/11/2001	32.00		AHD				1551m	South West
10133886	GW303107	Water Supply	Unknown	23/01/2002	21.00		AHD				1806m	South West
10063082	GW301328	Water Supply	Unknown	13/12/1995	24.00		AHD	Good	0.708	10.00	1894m	South West
10065352	GW304523	Monitoring	Unknown	04/02/2004	6.20		AHD	Fresh		1.30	1990m	South East

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

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# Hydrogeology & Groundwater

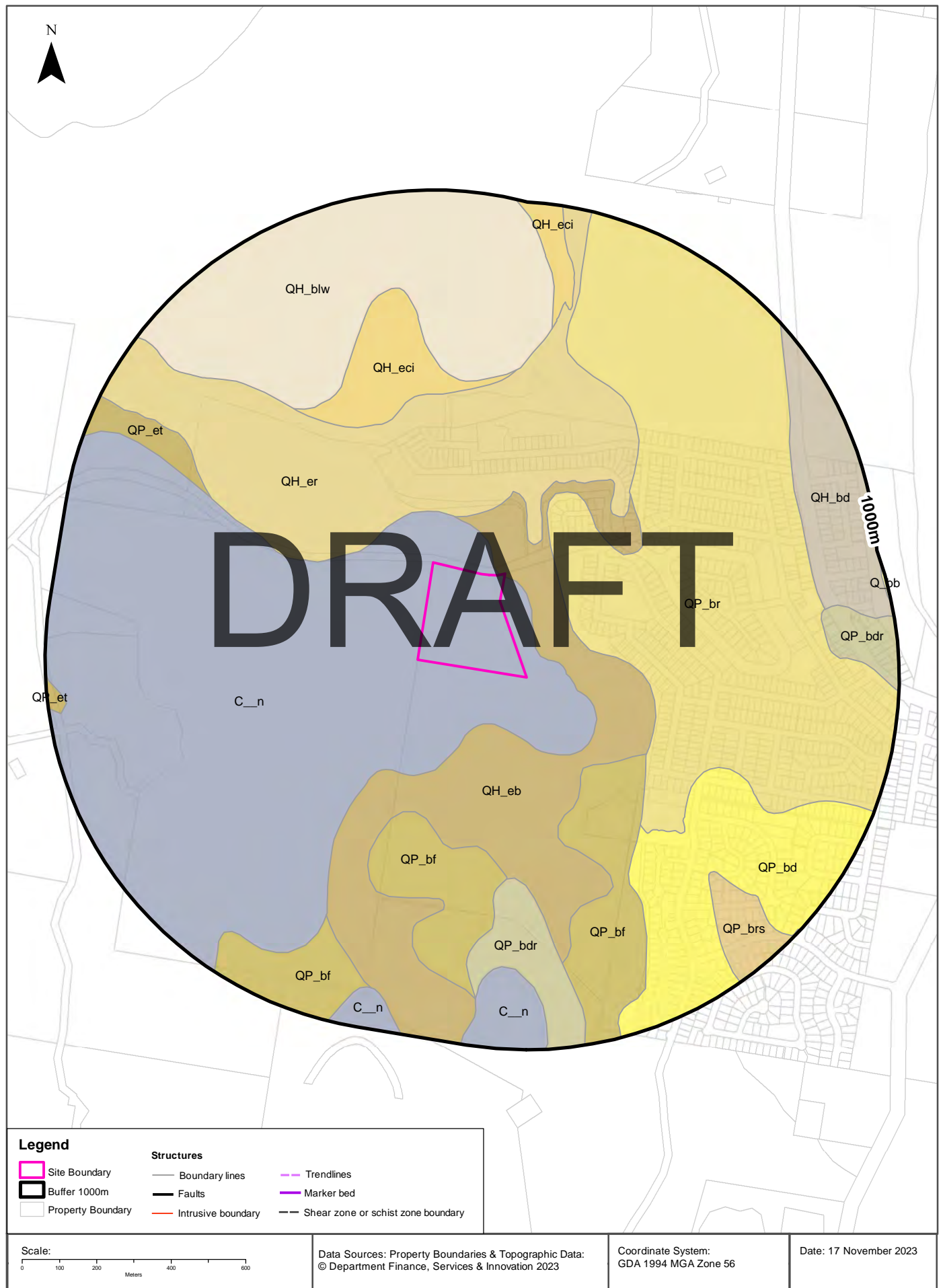
1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## Driller's Logs

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

NGIS Bore ID	Drillers Log	Distance	Direction
10094919	0.00m-0.25m PAVEMENT/SUB BASE 0.25m-1.00m SAND GREY LOAM 1.00m-3.00m SAND YELLOW 3.00m-7.00m SAND BROWN 7.00m-24.00m FINE FLOWING SAND ORANGE/RED	279m	East
10129059	0.00m-3.00m sand 3.00m-6.00m coffee rock 6.00m-8.00m free flowing sand	411m	East
10098289	0.00m-2.80m peat brown 2.80m-3.50m sand grey 3.50m-3.60m coffee rock 3.60m-4.50m sand grey 4.50m-4.50m coffee rock	418m	East
10086807	0.00m-4.00m sand grey 4.00m-4.10m coffee rock 4.10m-5.50m sand grey	438m	East
10019992	0.00m-5.00m Sand, grey, fine 5.00m-7.30m Rock, coffee, brown, medium grained, soft 7.30m-8.50m Sand, free flowing, light brown, medium grained	615m	East
10021918	0.00m-4.50m Sand, grey, fine 4.50m-7.50m Rock, coffee rock, brown, medium grained, soft 7.50m-8.20m Sand, free flowing, light brown, medium grained 8.20m-11.50m Rock, coffee rock, brown, medium grained, soft	891m	South East
10097372	0.00m-4.00m sand grey 4.00m-5.00m sand with small pebbles grey	926m	East
10083361	0.00m-0.30m topsoil 0.30m-1.20m white sand 1.20m-6.00m grey sand	933m	South East
10127100	0.00m-10.00m sand	982m	South East
10103451	0.00m-4.50m Sand, grey, fine 4.50m-7.50m Rock, coffee rock, brown, medium grained, soft 7.50m-8.20m Sand, free flowing, light brown, medium grained	1016m	South East
10073857	0.00m-5.00m Topsoil Clay Sand 5.00m-9.00m Gravel, large 9.00m-24.00m Greywacke, fractured	1173m	East
10075395	0.00m-5.00m sand grey fine 5.00m-6.70m coffee rock brown m.g. soft 6.70m-7.10m free flowing sand lt brown mg	1227m	East
10030796	0.00m-3.20m Sand, white, fine, dry to moist 3.20m-5.00m Sand, white, fine, moist 5.00m-9.00m Sandy Clay, dark brown, fine to medium	1423m	South East
10026032	0.00m-0.80m Sand, dark grey-black, fine, dry 0.80m-2.60m Sand, light grey, fine, moist 2.60m-4.10m Sand, dark brown, fine, moist 4.10m-5.20m Sand, white with black mottling, fine, wet 5.20m-6.00m Sandy Clay, dark brown, fine to medium, dry 6.00m-9.00m Sandy Clay, dark brown, fine, moist	1455m	South East
10050232	0.00m-10.00m Decomposed Rock 10.00m-18.00m Brown Sandstone 18.00m-27.00m Shale 27.00m-28.00m Broken Basalt 28.00m-32.00m Basalt	1551m	South West
10133886	0.00m-9.00m Red Brown & White Clay 9.00m-10.00m Grey Brown Gravel 10.00m-16.00m Fractured Black Shale Greywacke 16.00m-21.00m Hard Greywacke	1806m	South West
10063082	0.00m-1.00m TOPSOIL 1.00m-3.00m CLAY 3.00m-19.00m DECOMPOSED ROCK 19.00m-20.00m SHALE 20.00m-24.00m BASALT	1894m	South West

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



# Geology

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## Geological Units

What are the Geological Units within the dataset buffer?

Unit Code	Unit Name	Description	Unit Stratigraphy	Age	Dominant Lithology	Distance
C__n	Neranleigh-Fernvale beds	Feldspathic and lithic meta-arenite, metasiltstone and conglomerate proximal turbidite, with structurally intercalated or stratigraphically underlying chert, jasper and mafic meta-volcanics.	///Neranleigh-Fernvale beds//	Late Devonian (base) to Carboniferous (Mississippian) (top)	Sandstone	0m
QH_eb	Central mud basin	Clay, silt, shell, very fine- to fine-grained lithic-quartz ( $\pm$ carbonate) sand (fluvially- and/or marine-deposited).	/Estuarine deposits//Central mud basin//	Holocene (base) to Now (top)	Clastic sediment	0m
QH_er	Estuarine shoreline ridge and dune	Fine- to medium-grained lithic-quartz sand (fluvially deposited), very fine- to fine-grained lithic-carbonate-quartz sand (marine deposited), polymictic gravel, silt, clay, shell material.	/Estuarine deposits//Estuarine shoreline ridge and dune//	Holocene (base) to Now (top)	Sand	108m
QP_br	Coastal deposits - beach ridge	Fine- to coarse-grained quartz-lithic-carbonate sand (marine-deposited), shell and shell-fragment-rich beds, polymictic gravel.	/Coastal deposits//Coastal deposits - beach ridge//	Quaternary (base) to Now (top)	Sand	136m
QP_bf	Coastal deposits - backbarrier flat facies	Fine- to medium-grained quartz-lithic sand with carbonate and humic components (marine-deposited), indurated sand, silt, clay, gravel, organic mud, peat.	/Coastal deposits//Coastal deposits - backbarrier flat facies//	Quaternary (base) to Now (top)	Clastic sediment	287m
QH_eci	Estuarine in-channel bar and beach deposits	Fine- to medium-grained lithic-carbonate-quartz sand (marine-deposited), silt, clay, shell, gravel.	/Estuarine deposits//Estuarine channel deposits//Estuarine in-channel bar and beach deposits/	Holocene (base) to Now (top)	Clastic sediment	396m
QH_blw	Coastal deposits - lagoon facies (subaqueous)	Organic-rich mud, silt, clay, very fine- to fine-grained quartz-lithic-carbonate sand (marine-deposited), shell and shell grit.	/Coastal deposits//Coastal deposits - lagoon facies//Coastal deposits - lagoon facies (subaqueous)/	Holocene (base) to Now (top)	Organic rich sediment	494m
QP_bd	Coastal deposits - dune facies	Marine-deposited and aeolian-reworked coastal sand dunes; partially consolidated.	/Coastal deposits//Coastal deposits - dune facies//	Quaternary (base) to Now (top)	Sand	499m
QP_bdr	Coastal deposits - bedrock-mantling dune facies	Indurated marine-deposited and aeolian-reworked fine- to coarse-grained quartz-lithic sand with abundant carbonate, sporadic humic debris in stabilised dunes.	/Coastal deposits//Coastal deposits - dune facies//Coastal deposits-bedrock-mantling dune facies/	Pleistocene (base) to Now (top)	Sand	539m
QP_et	Estuarine tidal-delta flat	Fine- to medium-grained lithic-carbonate-quartz sand (marine-deposited), silt, clay, shell material, polymictic gravel.	/Estuarine deposits//Estuarine tidal-delta flat//	Quaternary (base) to Now (top)	Clastic sediment	622m
QP_brs	Coastal deposits - beach-ridge swale and dune-deflation hollow	Fine- to medium-grained quartz-lithic-carbonate (marine-deposited) sand, organic-rich mud, peat.	/Coastal deposits//Coastal deposits - beach ridge//Coastal deposits-beach-ridge swale and dune-deflation hollow/	Pleistocene (base) to Now (top)	Sand	719m

Unit Code	Unit Name	Description	Unit Stratigraphy	Age	Dominant Lithology	Distance
QH_bd	Coastal deposits - dune facies	Marine-deposited and aeolian-reworked coastal sand dunes.	/Coastal deposits//Coastal deposits - dune facies//	Holocene (base) to Now (top)	Sand	807m
Q_bb	Coastal deposits - beach facies	Marine-deposited quartz-lithic fine- to medium-grained sand, shell and shell material, polymictic gravel.	/Coastal deposits//Coastal deposits - beach facies//	Quaternary (base) to Now (top)	Sand	991m

## Linear Geological Structures

What are the Dyke, Sill, Fracture, Lineament and Vein trendlines within the dataset buffer?

Map ID	Feature Description	Map Sheet Name	Distance
No Features			

What are the Faults, Shear zones or Schist zones, Intrusive boundaries & Marker beds within the dataset buffer?

Map ID	Boundary Type	Description	Map Sheet Name	Distance
No Features				

Geological Data Source: Statewide Seamless Geology v2.1, Department of Regional NSW  
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# Naturally Occurring Asbestos Potential

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

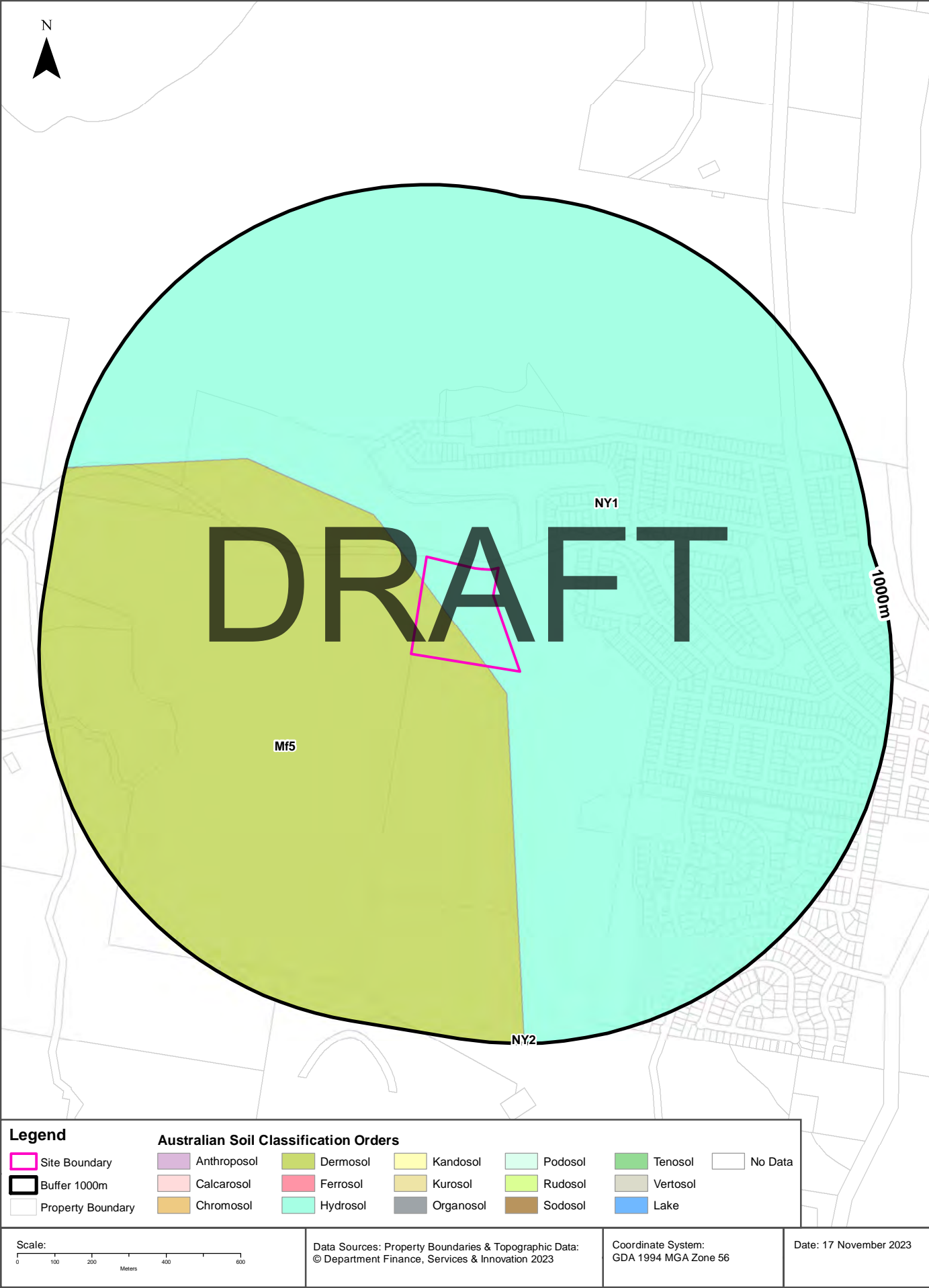
## Naturally Occurring Asbestos Potential

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: © State of New South Wales through NSW Department of Industry, Resources & Energy

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# Soils

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## 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
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
Mf5	Dermosol	Hilly to steep hilly with narrow valleys along the streams: moderate to steep slopes of yellow leached friable earths (Gn3.74) and (Gn3.84) with red friable earths (Gn3.14) often codominant. Associated are: shallow soils such as (Um4.1 and Um4.2), and (Uc4.1) on hill crests and upper slopes; (Dr2.21), (Dy3.21), and related soils on the drier more exposed mid to lower slopes; and some areas of (Gn2.14) soils and minor occurrences of other undescribed soils. The whole area is traversed by narrow valleys or variable soils, largely undescribed but including (Um6.11) on terraces and (Dg4) and (Dy5) on flood-plains.	0m	On-site
NY2	Hydrosol	River flood-plains and coastal plains similar to unit NY1 but with a higher proportion of better-drained land: chief soils of the flats and gently sloping areas are friable acidic gley soils (Dg4.11, Dg4.41, and Dg4.81) and/or friable acidic yellow mottled soils (Dy5.11) and/or cracking clays (Ug5.16) and (Ug5.4) with other soils such as (Dd3.11) and (Uf6.41). Associated are narrow river valleys extending back into the hills and having slopes of (Dy5.61 and Dy5.81) and/or (Dy3.21 and Dy3.41) soils, small flood-plains of (Dg4) and (Dy5) soils, and terraces of (Um6.11) and other undescribed soils; and swamps and flats of leached sand soils (Uc2.2 and/or Uc2.3) towards the coast. Small areas of units Mg24 and Mf5 are included also. Soil pattern is complex and not well known.	985m	South

Atlas of Australian Soils Data Source: CSIRO

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# Soil Landscapes of Central and Eastern NSW

1 Clothiers Creek Road, Clothiers Creek, NSW 2484



## Soils

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Soil Landscapes of Central and Eastern NSW

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

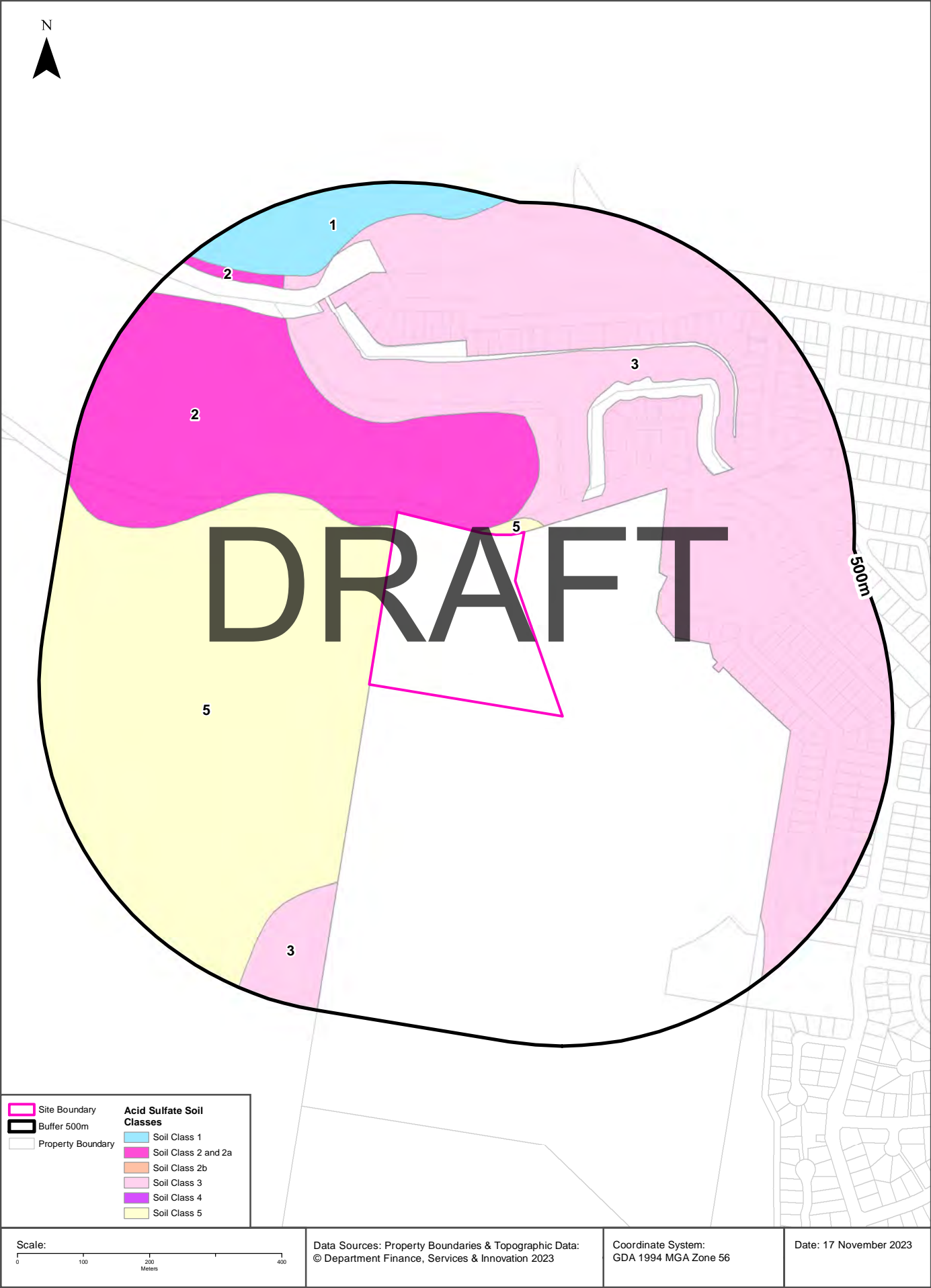
Soil Code	Name	Distance	Direction
<a href="#">9541bu</a>	Burringbar	0m	On-site
<a href="#">9541cb</a>	Cobaki	0m	On-site
<a href="#">9541xx</a>	Disturbed Terrain	61m	North East
<a href="#">9541bo</a>	Bogangar	89m	East
<a href="#">9541po</a>	Pottsville	147m	South
<a href="#">9541wy</a>	Wooyung	570m	North East
<a href="#">9541bib</a>	Billinudgel variant b	863m	East
<a href="#">9541ki</a>	Kingscliff	931m	North
<a href="#">9541ab</a>	Angels Beach	953m	East
<a href="#">9541og</a>	Ophir Glen	990m	West

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

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





## Acid Sulfate Soils

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### 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
2	Works below natural ground surface present an environmental risk; Works by which the watertable is likely to be lowered present an environmental risk	Tweed Local Environmental Plan 2014

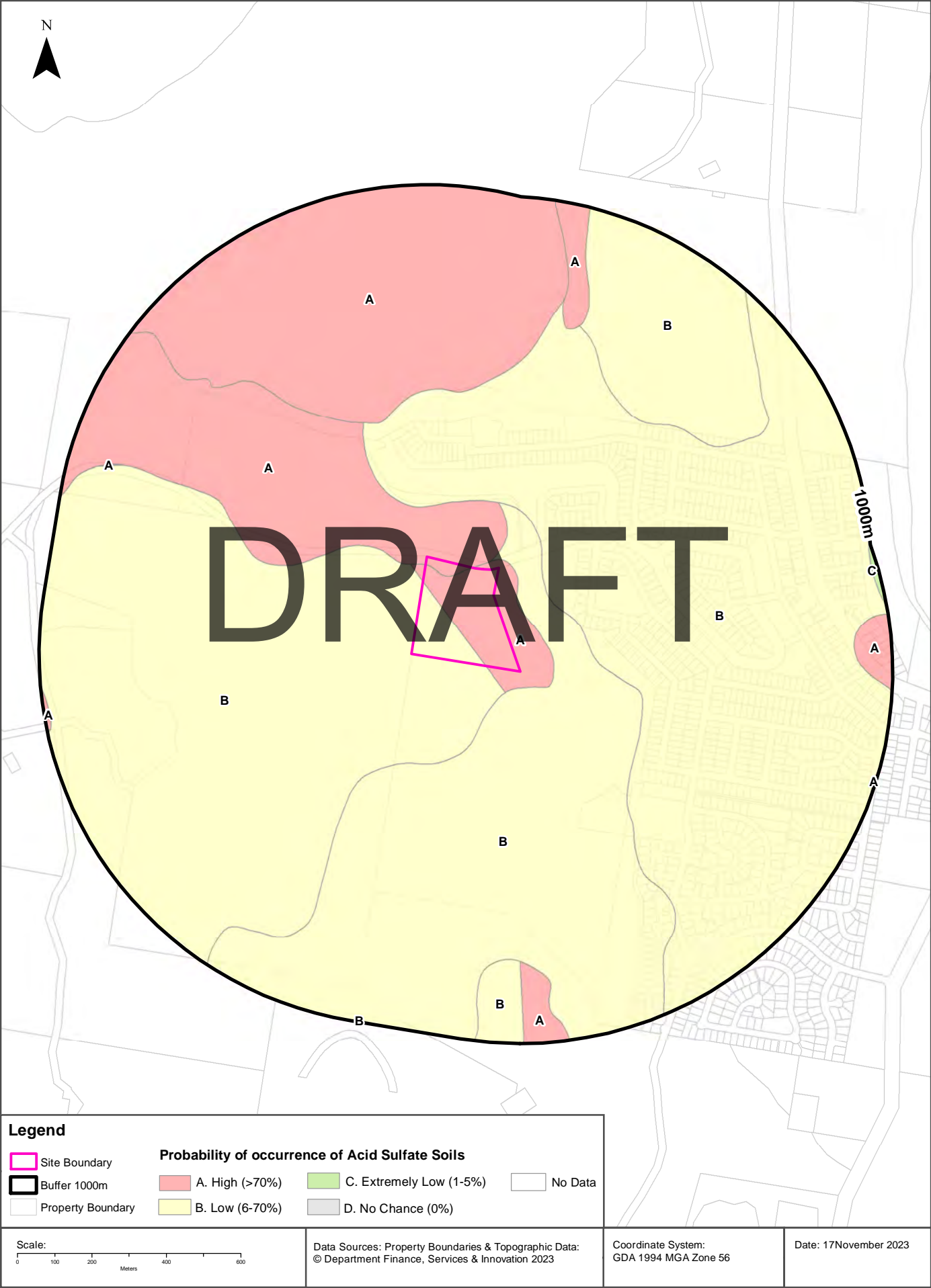
If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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## Acid Sulfate Soils

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Atlas of Australian Acid Sulfate Soils

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

Class	Description	Distance	Direction
A	High Probability of occurrence. >70% chance of occurrence.	0m	On-site
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	981m	East

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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## Dryland Salinity

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### 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

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

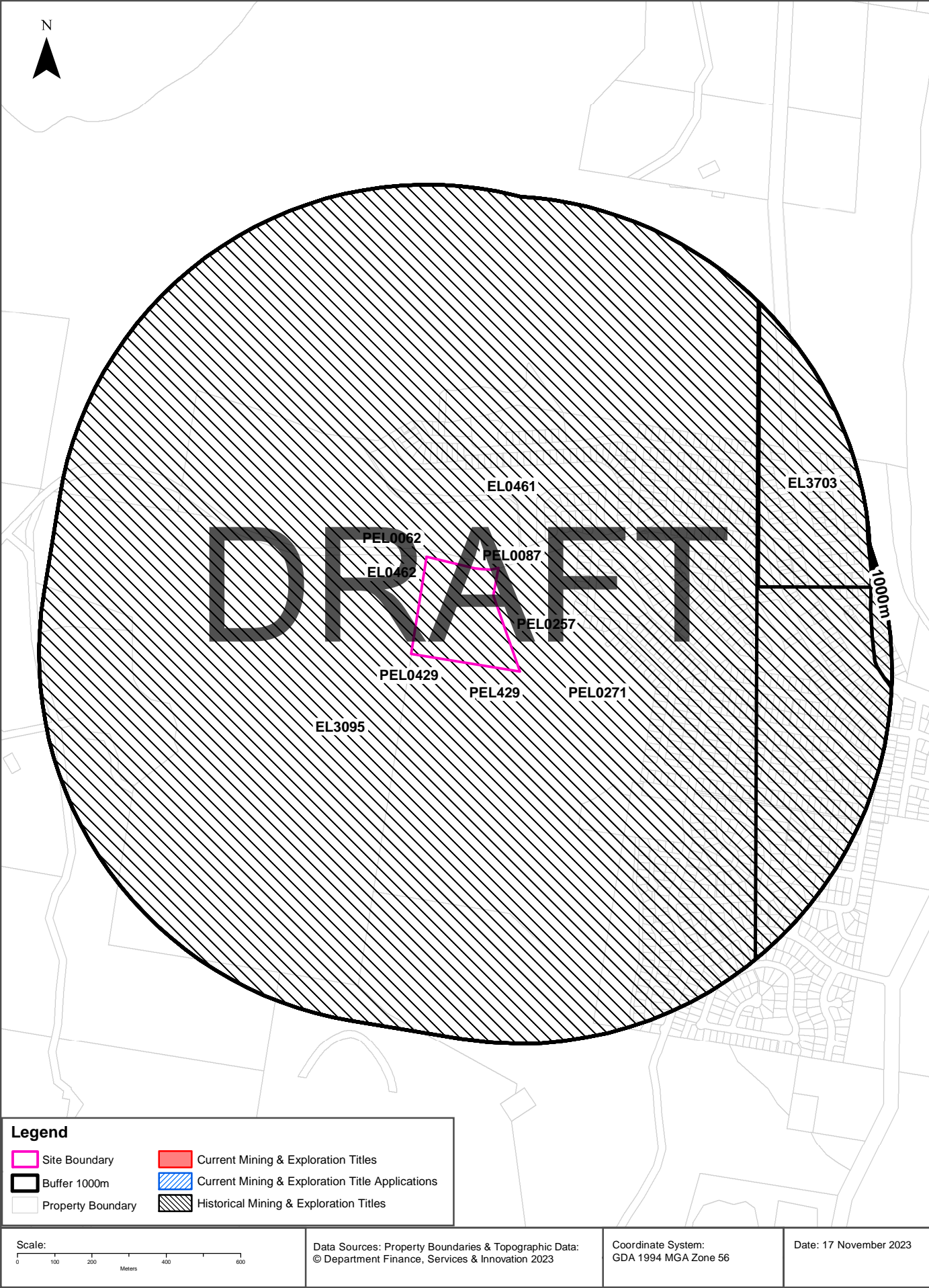
### Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

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

Mining Subsidence District Data Source: © Land and Property Information (2016)  
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## Mining

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### 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: © State of New South Wales through NSW Department of Industry

### 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: © State of New South Wales through NSW Department of Industry

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## Mining

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL0257	OIL AND MINERALS QUEST NL	19800312		PETROLEUM	Petroleum	0m	On-site
PEL0429	SUNOCO INC	20010210	20030111	PETROLEUM	Petroleum	0m	On-site
PEL0271	BASE RESOURCES LTD, EDGEWORTH MINERALS LTD	19841005	19860905	PETROLEUM	Petroleum	0m	On-site
EL0462	PLANET METALS LIMITED	19710601	19721201	MINERALS	Ti Fe Th Heavy mineral sands Zircon	0m	On-site
EL0461	PLANET METALS LIMITED	19710601	19721201	MINERALS	Ti Fe Th Heavy mineral sands Zircon	0m	On-site
EL3095	AUSTRALMIN PACIFIC NL	19880602	19920228	MINERALS	Heavy mineral sands	0m	On-site
PEL0087	NATIONAL OIL HOLDINGS LTD, ALLIANCE OIL DEVELOPMENT AUSTRALIA NL			PETROLEUM	Petroleum	0m	On-site
PEL429	SUNOCO INC.	19991026	20001117	MINERALS		0m	On-site
PEL0062	MID-EASTERN OIL			PETROLEUM	Petroleum	0m	On-site
EL3703	MINERAL DEPOSITS LIMITED	19890501	19911101	MINERALS	Heavy mineral sands	680m	East

Historical Mining & Exploration Titles Data Source: © State of New South Wales through NSW Department of Industry

## State Environmental Planning Policy

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

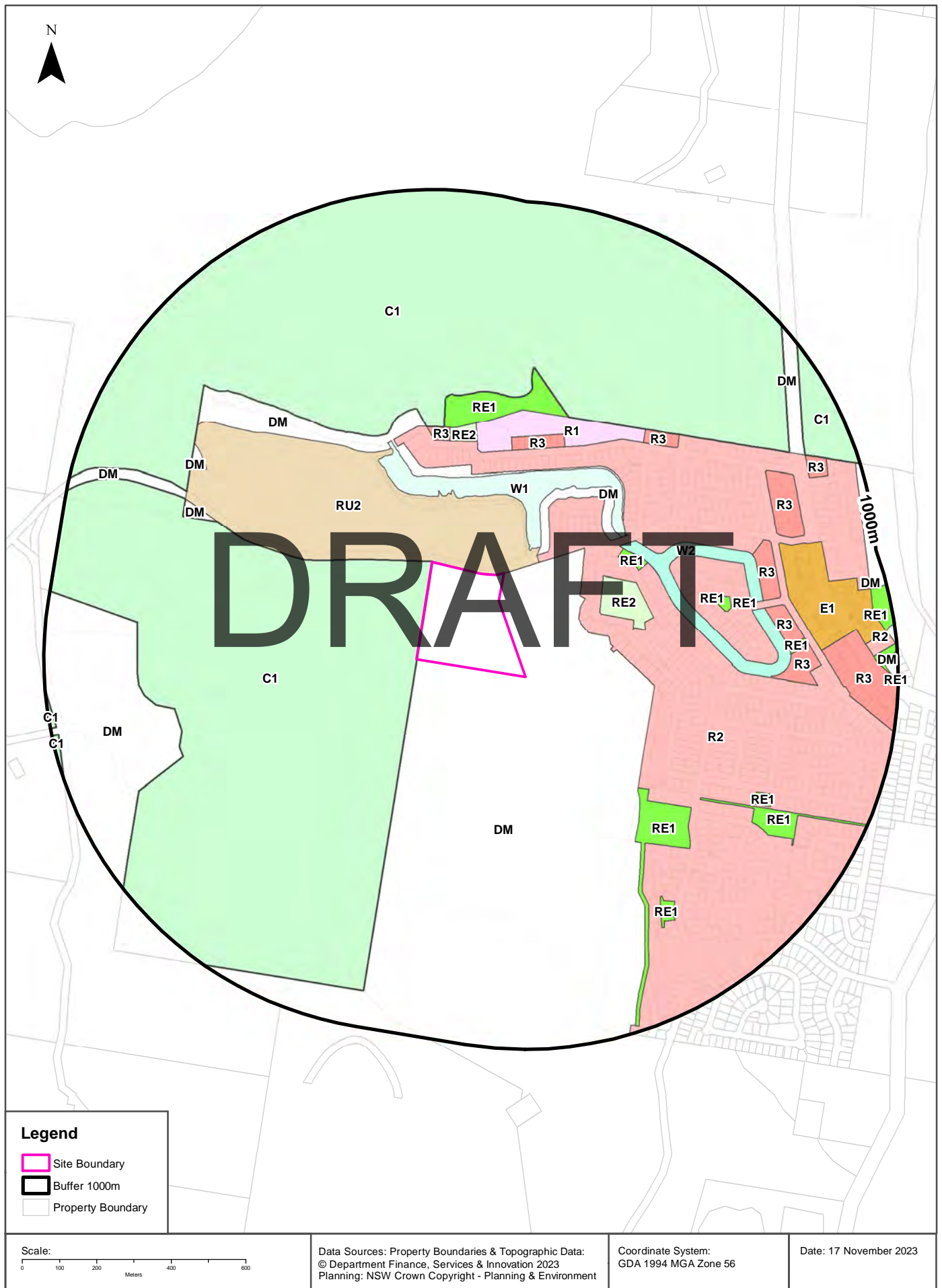
Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No records in buffer							

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# EPI Planning Zones

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





# Environmental Planning Instrument

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## 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
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	On-site
RU2	Rural Landscape		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	North West
C1	National Parks and Nature Reserves		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	0m	South West
W1	Natural Waterways		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	92m	North
R2	Low Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	97m	East
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	99m	North East
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	231m	North West
RE2	Private Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	245m	East
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	307m	East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R1	General Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	316m	North East
W2	Recreational Waterways		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	318m	East
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	326m	North
RE2	Private Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	328m	North
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	330m	North
C1	National Parks and Nature Reserves		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	363m	North
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	363m	North
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	422m	South East
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	511m	North East
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	534m	East
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	569m	South East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	586m	West
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	597m	East
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	655m	North West
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	657m	East
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	666m	East
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	691m	South East
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	709m	East
E1	Local Centre		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	736m	East
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	738m	East
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	795m	East
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	830m	North East

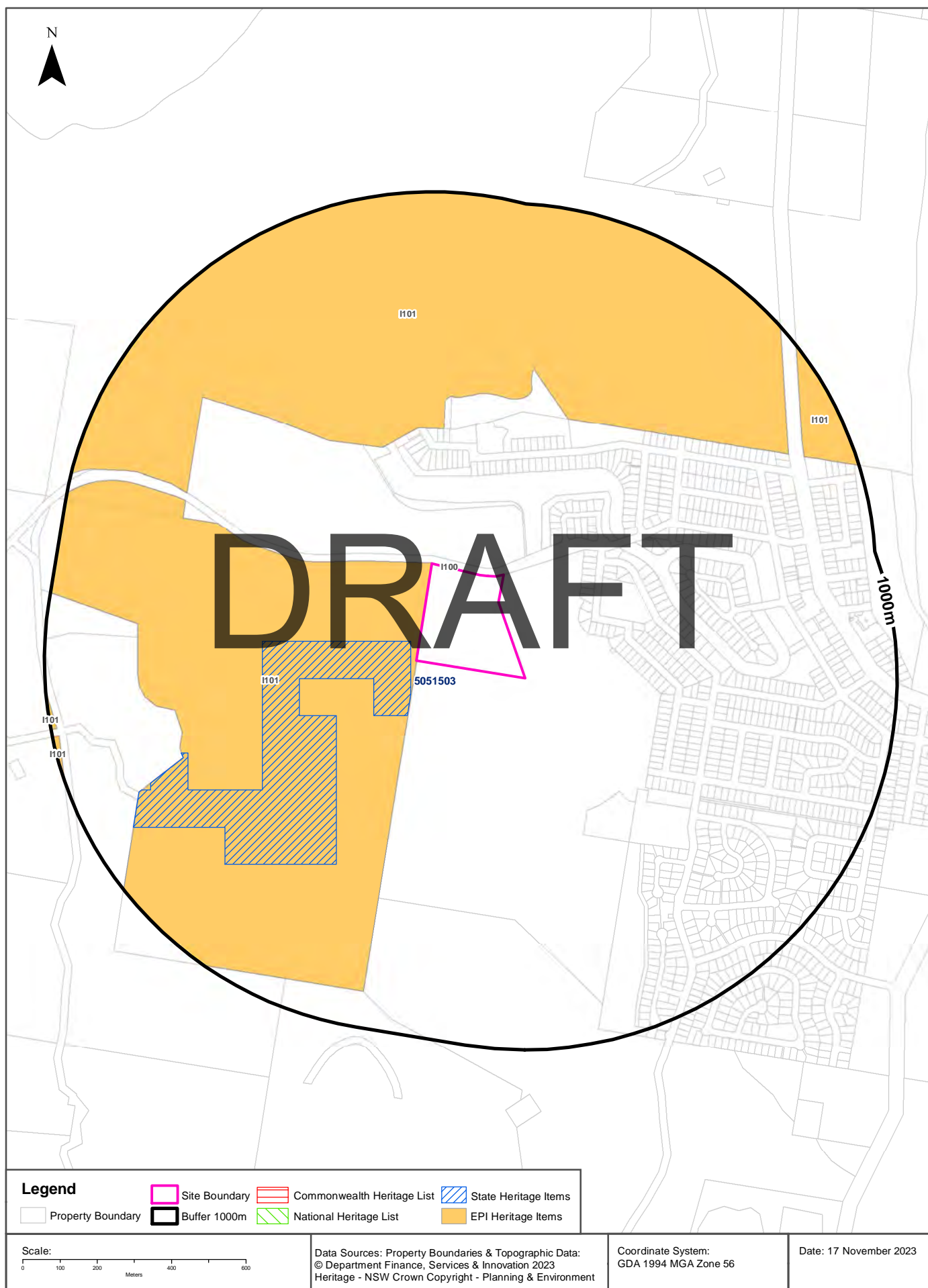


Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R3	Medium Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	857m	North East
C1	National Parks and Nature Reserves		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	867m	North East
R2	Low Density Residential		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	915m	East
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	933m	East
RE1	Public Recreation		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	947m	East
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	954m	East
DM	Deferred Matter		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	963m	East
C1	National Parks and Nature Reserves		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	983m	West
C1	National Parks and Nature Reserves		Tweed Local Environmental Plan 2014	24/02/2023	26/04/2023	26/04/2023	State Environmental Planning Policy Amendment (Land Use Zones) 2023	984m	West

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# Heritage Items

1 Clothiers Creek Road, Clothiers Creek, NSW 2484



## Heritage

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Commonwealth Heritage List

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

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

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

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

Note. Please click on Place Id to activate a hyperlink to online website.

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

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

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

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5051503	High Conservation Value Old Growth Forest	15 Local Government Areas Upper North East NSW	CLARENCE VALLEY	22/12/2000	01487	3196	15m	South West

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

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

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I100	Osprey Nests as mapped from time to time by the National Parks & Wildlife Service	Item - General	Local	Tweed Local Environmental Plan 2014	04/04/2014	04/04/2014	04/04/2014	0m	On-site
I101	High Conservation Value Old Growth Forest	Item - General	State	Tweed Local Environmental Plan 2014	04/04/2014	04/04/2014	04/04/2014	0m	South West



Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I101	High Conservation Value Old Growth Forest	Item - General	State	Tweed Local Environmental Plan 2014	04/04/2014	04/04/2014	04/04/2014	339m	North
I101	High Conservation Value Old Growth Forest	Item - General	State	Tweed Local Environmental Plan 2014	04/04/2014	04/04/2014	04/04/2014	867m	North East
I101	High Conservation Value Old Growth Forest	Item - General	State	Tweed Local Environmental Plan 2014	04/04/2014	04/04/2014	04/04/2014	983m	West
I101	High Conservation Value Old Growth Forest	Item - General	State	Tweed Local Environmental Plan 2014	04/04/2014	04/04/2014	04/04/2014	984m	West

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# DRAFT



## Natural Hazards

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Bush Fire Prone Land

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

Bush Fire Prone Land Category	Distance	Direction
Vegetation Category 1	0m	On-site
Vegetation Category 3	0m	On-site
Vegetation Buffer	83m	North East
Vegetation Category 2	123m	North East

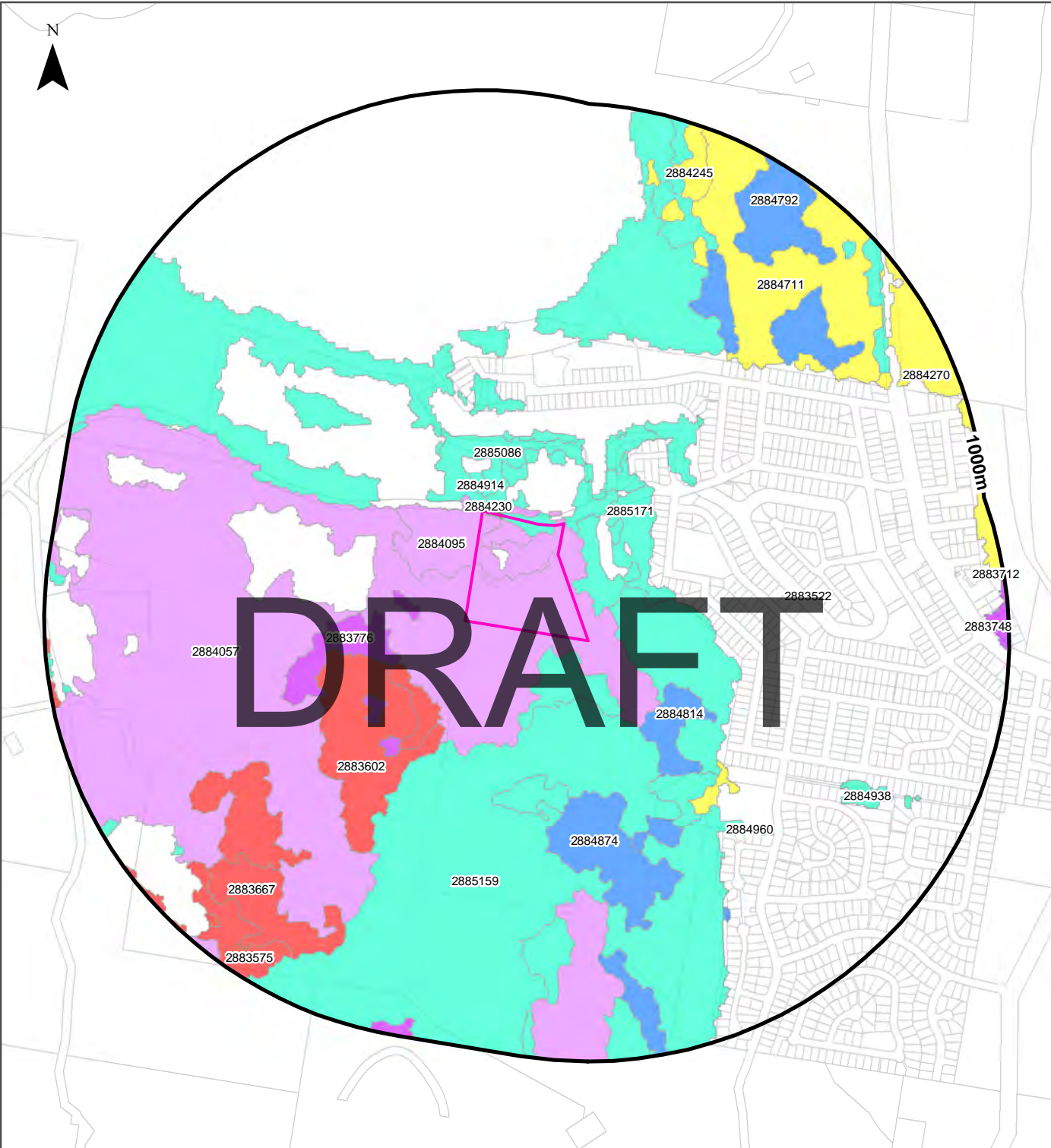
NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

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# Ecological Constraints - Vegetation & Ramsar Wetlands

1 Clothiers Creek Road, Clothiers Creek, NSW 2484



Site Boundary	Dry Sclerophyll Forests (Shrub/grass sub-formation)	Semi-arid Woodlands (Grassy sub-formation)
ReportBuffer	Dry Sclerophyll Forests (Shrubby sub-formation)	Semi-arid Woodlands (Shrubby sub-formation)
Property Boundary	Forested Wetlands	Wet Sclerophyll Forests (Grassy sub-formation)
Ramsar Wetland	Freshwater Wetlands	Wet Sclerophyll Forests (Shrubby sub-formation)
<b>Native Vegetation</b>	Grasslands	Non vegetated
Alpine Complex	Grassy Woodlands	Unattributed
Arid Shrublands (Acacia sub-formation)	Heathlands	Not classified
Arid Shrublands (Chenopod sub-formation)	Rainforests	Other
	Saline Wetlands	

Scale: 0 100 200 400 600 Meters

Data Sources: Property Boundaries & Topographic Data:  
© Department Finance, Services & Innovation 2023

Coordinate System:  
GDA 1994 MGA Zone 56

Date: 17 November 2023

# Ecological Constraints

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
2883522	Not classified	(Not classified) Not classified	Not classified	0m	On-site
2884057	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Far North Coastal Hills Blackbutt-Ironbark Forest	Northern Hinterland Wet Sclerophyll Forests	0m	On-site
2884095	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Hinterland Grey Gum-Mahogany Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	0m	On-site
2884230	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Northern Sands Blackbutt-Red Mahogany Forest	Coastal Dune Dry Sclerophyll Forests	0m	On-site
2885159	Forested Wetlands	(Forested Wetlands) Northern Melaleuca quinquenervia Swamp Forest	Coastal Swamp Forests	0m	On-site
2885086	Forested Wetlands	(Forested Wetlands) Far North Sands Swamp Turpentine-Paperbark Forest	Coastal Swamp Forests	1m	South East
2885171	Forested Wetlands	(Forested Wetlands) Northern Sands Swamp Mahogany Shrubby Rush Forest	Coastal Swamp Forests	7m	East
2884914	Forested Wetlands	(Forested Wetlands) Far North Mesophyll Paperbark Swamp Forest	Coastal Swamp Forests	28m	West
2883776	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Far North Brush Box-Walnut Wet Forest	North Coast Wet Sclerophyll Forests	109m	South West
2883575	Rainforests	(Rainforests) Far North Bangalow Palm Swamp Forest	Subtropical Rainforests	178m	South West
2883602	Rainforests	(Rainforests) Far North Lowland Subtropical Rainforest	Subtropical Rainforests	208m	South West
2884814	Freshwater Wetlands	(Freshwater Wetlands) Coast Sands Lepironia Sedgeland	Coastal Freshwater Lagoons	211m	South East
2884874	Freshwater Wetlands	(Freshwater Wetlands) Southern Lower Floodplain Freshwater Wetland	Coastal Freshwater Lagoons	357m	South
2884245	Heathlands	(Heathlands) Byron Graminoid Clay Heath	Coastal Headland Heaths	417m	North East
2884792	Freshwater Wetlands	(Freshwater Wetlands) Northern Sandplain Wet Heath	Coastal Heath Swamps	437m	North East
2884711	Heathlands	(Heathlands) Far North Sandplain Wallum Heath	Wallum Sand Heaths	548m	North East
2884960	Forested Wetlands	(Forested Wetlands) Far North Paperbark Gahnia Swamp Forest	Coastal Swamp Forests	572m	South East
2884938	Forested Wetlands	(Forested Wetlands) Far North Paperbark Fern Swamp Forest	Coastal Swamp Forests	689m	South East
2883667	Rainforests	(Rainforests) Far North Sands Tuckeroo-Banksia Littoral Rainforest	Littoral Rainforests	739m	South West
2884270	Heathlands	(Heathlands) Coastal Foredune Wattle Scrub	Coastal Headland Heaths	811m	North East
2883748	Wet Sclerophyll Forests (Shrubby sub-formation)	(Wet Sclerophyll Forests (Shrubby sub-formation)) Far North Brush Box-Bloodwood Wet Forest	North Coast Wet Sclerophyll Forests	940m	East
2883712	Rainforests	(Rainforests) Sydney Coast Tuckeroo Littoral Rainforest	Littoral Rainforests	961m	East

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

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## Ramsar Wetlands

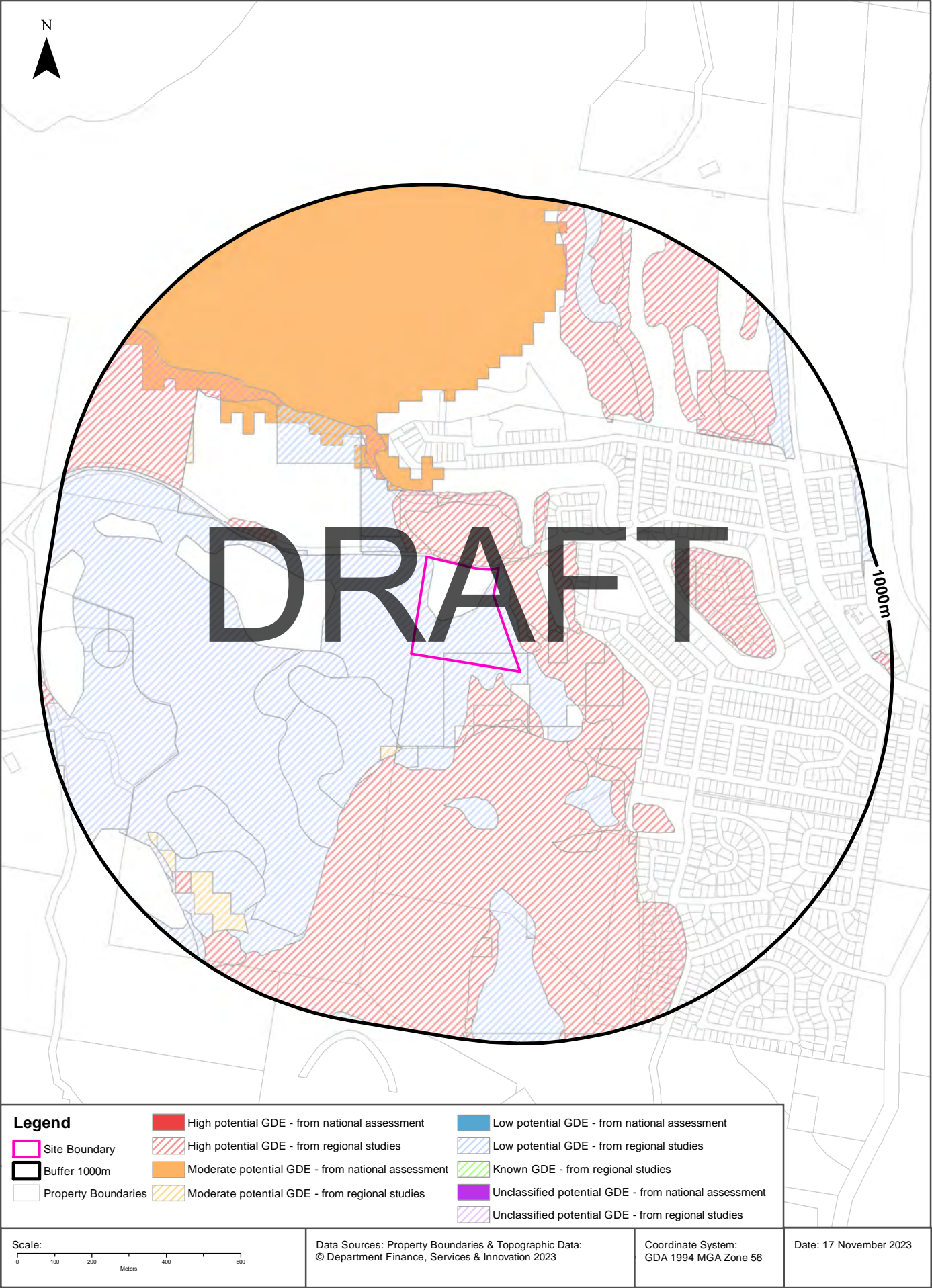
What Ramsar Wetland areas exist within the dataset buffer?

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

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

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# Ecological Constraints

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	Low potential GDE - from regional studies	Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Vegetation		0m	On-site
Terrestrial	High potential GDE - from regional studies	Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Vegetation		3m	North
Terrestrial	High potential GDE - from regional studies	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		78m	South East
Aquatic	Moderate potential GDE - from national assessment	Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Wetland		178m	North
Terrestrial	Moderate potential GDE - from regional studies	Undulating granitic plateau with higher residuals including basalt cappings.	Vegetation		252m	South West
Terrestrial	Moderate potential GDE - from regional studies	Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Vegetation		253m	South West
Terrestrial	Low potential GDE - from regional studies	Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		984m	East

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

1 Clothiers Creek Road, Clothiers Creek, NSW 2484





## Ecological Constraints

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

### Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		1 Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Vegetation		0m	On-site
Terrestrial		4 Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Vegetation		6m	North West
Terrestrial		4 Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		78m	South East
Aquatic		10 Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Wetland		178m	North
Terrestrial		1 Undulating granitic plateau with higher residuals including basalt cappings.	Vegetation		252m	South West
Terrestrial		8 Undulating granitic plateau with higher residuals including basalt cappings.	Vegetation		255m	South West
Terrestrial		1 Coastal lowlands on weak sedimentary rocks, with littoral and alluvial plains.	Vegetation		466m	East
Terrestrial		6 Basaltic plateau terminating southeast in dissected volcanic pile (Mount Warning).	Vegetation		944m	East

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology  
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# Ecological Constraints

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

## NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	<i>Crinia tinnula</i>	Wallum Froglet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Amphibia	<i>Litoria olongburens</i>	Olongburra Frog	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Amphibia	<i>Mixophyes iteratus</i>	Giant Barred Frog	Endangered	Category 2	Endangered	
Animalia	Aves	<i>Amaurornis moluccana</i>	Pale-vented Bush-hen	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	<i>Anous stolidus</i>	Common Noddy	Not Listed	Not Sensitive	Not Listed	CAMBA; JAMBA
Animalia	Aves	<i>Anseranas semipalmata</i>	Magpie Goose	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	<i>Apus pacificus</i>	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Ardenna carneipes</i>	Flesh-footed Shearwater	Vulnerable	Not Sensitive	Not Listed	ROKAMBA; JAMBA
Animalia	Aves	<i>Ardenna grisea</i>	Sooty Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	<i>Ardenna pacifica</i>	Wedge-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	<i>Ardenna tenuirostris</i>	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Arenaria interpres</i>	Ruddy Turnstone	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Artamus cyanopterus cyanopterus</i>	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	<i>Botaurus poiciloptilus</i>	Australasian Bittern	Endangered	Not Sensitive	Endangered	
Animalia	Aves	<i>Burhinus grallarius</i>	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	<i>Calidris acuminata</i>	Sharp-tailed Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Calidris alba</i>	Sanderling	Vulnerable	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Calidris ferruginea</i>	Curlew Sandpiper	Endangered	Not Sensitive	Critically Endangered	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Calidris tenuirostris</i>	Great Knot	Vulnerable	Not Sensitive	Critically Endangered	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Calonectris leucomelas</i>	Streaked Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Calyptorhynchus banksii banksii</i>	Red-tailed Black-Cockatoo (coastal subspecies)	Critically Endangered	Category 2	Not Listed	
Animalia	Aves	<i>Calyptorhynchus banksii samueli</i>	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	<i>Calyptorhynchus lathami lathami</i>	South-eastern Glossy Black-Cockatoo	Vulnerable	Category 2	Vulnerable	
Animalia	Aves	<i>Carterornis leucotis</i>	White-eared Monarch	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	<i>Charadrius leschenaultii</i>	Greater Sand-plover	Vulnerable	Not Sensitive	Vulnerable	ROKAMBA; CAMBA; JAMBA
Animalia	Aves	<i>Charadrius mongolus</i>	Lesser Sand-plover	Vulnerable	Not Sensitive	Endangered	ROKAMBA; CAMBA; JAMBA

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Chlidonias leucopterus	White-winged Black Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Circus assimilis	Spotted Harrier	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Coracina lineata	Barred Cuckoo-shrike	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Diomedea exulans	Wandering Albatross	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Ephippiorhynchus asiaticus	Black-necked Stork	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Erythrorhynchus radiatus	Red Goshawk	Critically Endangered	Category 2	Vulnerable	
Animalia	Aves	Esacus magnirostris	Beach Stone-curlew	Critically Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Fregata ariel	Lesser Frigatebird	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Gelochelidon nilotica	Gull-billed Tern	Not Listed	Not Sensitive	Not Listed	CAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gygis alba	White Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus fuliginosus	Sooty Oystercatcher	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hieraetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needle-tail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Irediparra gallinacea	Comb-crested Jacana	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Lichenostomus fasciularis	Mangrove Honeyeater	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa limosa	Black-tailed Godwit	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Macronectes giganteus	Southern Giant Petrel	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Macronectes halli	Northern Giant-Petrel	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Numenius madagascariensis	Eastern Curlew	Not Listed	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius minutus	Little Curlew	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius phaeopus	Whimbrel	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Onychoprion fuscata	Sooty Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pachycephala olivacea	Olive Whistler	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	



Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Phaethon rubricauda	Red-tailed Tropicbird	Vulnerable	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Pluvialis fulva	Pacific Golden Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Podargus ocellatus	Marbled Frogmouth	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pomatostomus temporalis temporalis	Grey-crowned Babbler (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pterodroma leucoptera leucoptera	Gould's Petrel	Vulnerable	Not Sensitive	Endangered	
Animalia	Aves	Pterodroma solandri	Providence Petrel	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus magnificus	Wompoo Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus regina	Rose-crowned Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus superbus	Superb Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stercorarius longicaudus	Long-tailed Jaeger	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Stercorarius parasiticus	Arctic Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Stercorarius pomarinus	Pomarine Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Sterna hirundo	Common Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Sternula albifrons	Little Tern	Endangered	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Sula leucogaster	Brown Booby	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Thalassarche cauta	Shy Albatross	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Thalassarche melanophris	Black-browed Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Thalasseus bergii	Crested Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Thinornis cucullatus cucullatus	Eastern Hooded Dotterel	Critically Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Todiramphus chloris	Collared Kingfisher	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Tringa brevipes	Grey-tailed Tattler	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Tringa incana	Wandering Tattler	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Tringa nebularia	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Tringa stagnatilis	Marsh Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Tyto longimembris	Eastern Grass Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Gastropoda	Thersites mitchellae	Mitchell's Rainforest Snail	Endangered	Not Sensitive	Critically Endangered	
Animalia	Insecta	Phyllodes imperialis southern subspecies	Southern Pink Underwing Moth	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Arctocephalus forsteri	New Zealand Fur-seal	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Mammalia	Arctocephalus pusillus doriferus	Australian Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus nigrogriseus	Hoary Wattled Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Dugong dugon	Dugong	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Eubalaena australis	Southern Right Whale	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Mormopterus lumsdenae	Northern Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Nyctophilus bifax	Eastern Long-eared Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Ozimops lumsdenae	Northern Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petauroides volans	Southern Greater Glider	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Petaurus norfolkensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascogale cinerea	Koala	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Physeter macrocephalus	Sperm Whale	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Planigale maculata	Common Planigale	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Potorous tridactylus	Long-nosed Potoroo	Endangered Population, Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheath-tail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Syconycteris australis	Common Blossom-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Thylogale stigmatica	Red-legged Pademelon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Antaresia stimsoni	Stimson's Python	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Eretmochelys imbricata	Hawksbill Turtle	Not Listed	Not Sensitive	Vulnerable	
Animalia	Reptilia	Suta flagellum	Little Whip Snake	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bakeri	Marblewood	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acalypha eremorum	Acalypha	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Acronychia littoralis	Scented Acronychia	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Angiopteris evecta	Giant Fern	Endangered	Category 2	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Archidendron hendersonii	White Lace Flower	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Arthraxon hispidus	Hairy Jointgrass	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Bosistoa transversa	Yellow Satinheart	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Caesalpinia bonduc	Knicker Nut	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Cassia marksiana		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Chamaesyce psammogeton	Sand Spurge	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Cryptocarya foetida	Stinking Cryptocarya	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Davidsonia jerseyana	Davidson's Plum	Endangered	Category 2	Endangered	
Plantae	Flora	Davidsonia johnsonii	Smooth Davidson's Plum	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Dendrocnide moroides	Gympie Stinger	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Desmodium acanthocladum	Thorny Pea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Diospyros mabacea	Red-fruited Ebony	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Diospyros yandina	Shiny-leaved Ebony	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Diploglottis campbellii	Small-leaved Tamarind	Endangered	Category 2	Endangered	
Plantae	Flora	Drynaria rigidula	Basket Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	Eleocharis tetraquetra	Square-stemmed Spike-rush	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Elionurus citreus	Lemon-scented Grass	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Endiandra floydii	Crystal Creek Walnut	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Endiandra hayesii	Rusty Rose Walnut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Endiandra muelleri subsp. bracteata	Green-leaved Rose Walnut	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Fontainea australis	Southern Fontainea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Geodorum densiflorum	Pink Nodding Orchid	Endangered	Category 2	Not Listed	
Plantae	Flora	Hicksbeachia pinnatifolia	Red Boppel Nut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Lepiderema pulchella	Fine-leaved Tuckeroo	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Lindsaea brachypoda	Short-footed Screw Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	Lindsaea fraseri	Fraser's Screw Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	Macadamia tetraphylla	Rough-shelled Bush Nut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Marsdenia longiloba	Slender Marsdenia	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Ochrosia moorei	Southern Ochrosia	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Oldenlandia galioides	Sweet False Galium	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Peristeranthus hillii	Brown Fairy-chain Orchid	Vulnerable	Category 2	Not Listed	
Plantae	Flora	Phaius australis	Southern Swamp Orchid	Endangered	Category 2	Endangered	
Plantae	Flora	Randia moorei	Spiny Gardenia	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Rhodamnia maideniana	Smooth Scrub Turpentine	Critically Endangered	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Critically Endangered	Not Sensitive	Critically Endangered	
Plantae	Flora	Rhodomyrtus psidioides	Native Guava	Critically Endangered	Not Sensitive	Critically Endangered	
Plantae	Flora	Syzygium hodgekinsoniae	Red Lilly Pilly	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Syzygium moorei	Durobby	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Tinospora tinosporoides	Arrow-head Vine	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Xylosma terrae-reginae	Queensland Xylosma	Endangered	Not Sensitive	Not Listed	

Data does not include NSW category 1 sensitive species.

NSW BioNet: © State of NSW and Office of Environment and Heritage

# DRAFT



## 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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## USE OF REPORT - APPLICABLE TERMS

The following terms apply to any person (End User) who is given the Report by the person who purchased the Report from Lotsearch Pty Ltd (ABN: 89 600 168 018) (Lotsearch) or who otherwise has access to the Report (Terms). The contract terms that apply between Lotsearch and the purchaser of the Report are specified in the order form pursuant to which the Report was ordered and the terms set out below are of no effect as between Lotsearch and the purchaser of the Report.

1. End User acknowledges and agrees that:
  - (a) the Report is compiled from or using content (**Third Party Content**) which is comprised of:
    - (i) content provided to Lotsearch by third party content suppliers with whom Lotsearch has contractual arrangements or content which is freely available or methodologies licensed to Lotsearch by third parties with whom Lotsearch has contractual arrangements (**Third Party Content Suppliers**); and
    - (ii) content which is derived from content described in paragraph (i);
  - (b) Neither Lotsearch nor Third Party Content Suppliers takes any responsibility for or give any warranty in relation to the accuracy or completeness of any Third Party Content included in the Report including any contaminated land assessment or other assessment included as part of a Report;
  - (c) the Third Party Content Suppliers do not constitute an exhaustive set of all repositories or sources of information available in relation to the property which is the subject of the Report (**Property**) and accordingly neither Lotsearch nor Third Party Content Suppliers gives any warranty in relation to the accuracy or completeness of the Third Party Content incorporated into the report including any contaminated land assessment or other assessment included as part of a Report;
  - (d) Reports are generated at a point in time (as specified by the date/time stamp appearing on the Report) and accordingly the Report is based on the information available at that point in time and Lotsearch is not obliged to undertake any additional reporting to take into consideration any information that may become available between the point in time specified by the date/time stamp and the date on which the Report was provided by Lotsearch to the purchaser of the Report;
  - (e) Reports must be used or reproduced in their entirety and End User must not reproduce or make available to other persons only parts of the Report;
  - (f) Lotsearch has not undertaken any physical inspection of the property;
  - (g) neither Lotsearch nor Third Party Content Suppliers warrants that all land uses or features whether past or current are identified in the Report;
  - (h) the Report does not include any information relating to the actual state or condition of the Property;
  - (i) the Report should not be used or taken to indicate or exclude actual fitness or unfitness of Land or Property for any particular purpose
  - (j) the Report should not be relied upon for determining saleability or value or making any other decisions in relation to the Property and in particular should not be taken to be a rating or assessment of the desirability or market value of the property or its features; and
  - (k) the End User should undertake its own inspections of the Land or Property to satisfy itself that there are no defects or failures
2. The End User may not make the Report or any copies or extracts of the report or any part of it available to any other person. If End User wishes to provide the Report to any other person or make extracts or copies of the Report, it must contact the purchaser of the Report before doing so to ensure the proposed use is consistent with the contract terms between Lotsearch and the purchaser.
3. Neither Lotsearch (nor any of its officers, employees or agents) nor any of its Third Party Content Suppliers will have any liability to End User or any person to whom End User provides the Report and End User must not represent that Lotsearch or any of its Third Party Content Suppliers accepts liability to any such person or make any other representation to any such person on behalf of Lotsearch or any Third Party Content Supplier.
4. The End User hereby to the maximum extent permitted by law:
  - (a) acknowledges that the Lotsearch (nor any of its officers, employees or agents), nor any of its Third Party Content Supplier have any liability to it under or in connection with the

- Report or these Terms;
- (b) waives any right it may have to claim against Third Party Content Supplier in connection with the Report, or the negotiation of, entry into, performance of, or termination of these Terms; and
  - (c) releases each Third Party Content Supplier from any claim it may have otherwise had in connection with the Report, or the negotiation of, entry into, performance of, or termination of these Terms.
5. The End User acknowledges that any Third Party Supplier shall be entitled to plead the benefits conferred on it under clause 4, despite not being a party to these terms.
  6. End User must not remove any copyright notices, trade marks, digital rights management information, other embedded information, disclaimers or limitations from the Report or authorise any person to do so.
  7. End User acknowledges and agrees that Lotsearch and Third Party Content Suppliers retain ownership of all copyright, patent, design right (registered or unregistered), trade marks (registered or unregistered), database right or other data right, moral right or know how or any other intellectual property right in any Report or any other item, information or data included in or provided as part of a Report.
  8. To the extent permitted by law and subject to paragraph 9, all implied terms, representations and warranties whether statutory or otherwise relating to the subject matter of these Terms other than as expressly set out in these Terms are excluded.
  9. Subject to paragraph 6, Lotsearch excludes liability to End User for loss or damage of any kind, however caused, due to Lotsearch's negligence, breach of contract, breach of any law, in equity, under indemnities or otherwise, arising out of all acts, omissions and events whenever occurring.
  10. Lotsearch acknowledges that if, under applicable State, Territory or Commonwealth law, End User is a consumer certain rights may be conferred on End User which cannot be excluded, restricted or modified. If so, and if that law applies to Lotsearch, then, Lotsearch's liability is limited to the greater of an amount equal to the cost of resupplying the Report and the maximum extent permitted under applicable laws.
  11. Subject to paragraph 9, neither Lotsearch nor the End User is liable to the other for:
    - (a) any indirect, incidental, consequential, special or exemplary damages arising out of or in relation to the Report or these Terms; or
    - (b) any loss of profit, loss of revenue, loss of interest, loss of data, loss of goodwill or loss of business opportunities, business interruption arising directly or indirectly out of or in relation to the Report or these Terms,irrespective of how that liability arises including in contract or tort, liability under indemnity or for any other common law, equitable or statutory cause of action or otherwise.
  12. These Terms are subject to New South Wales law.



Attachment D

Site Photos

Photo A

Cleared Site for Camping



Photo B

Former Donkey Yards





Photo C Rural Zoned Land Northern Portion Lot 2 DP1273771

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Attachment E      Subject Site and Surrounding Landuses

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# Topographic Features

1 Clothiers Creek Road, Clothiers Creek, NSW 2484

