



Assessment of Contamination

35 McCullough Street, Cooranbong, NSW

Prepared for: Johnson Property Group Pty Ltd

EP2743.002 28 July 2022



QMS Certification Services



QMS Certification Services



QMS Certification Services



Johnson Property Group Pty Ltd
27 Patrick Drive,
Cooranbong, NSW, 2265

Attention: Jessica Bayley

Assessment of Contamination 35 McCullough Street, Cooranbong, NSW

Johnson Property Group Pty Ltd (JPG) engaged EP Risk Management Pty Ltd (EP Risk) to undertake Preliminary Site Investigations at a property located at 35 McCullough Street, Cooranbong, NSW (the Site), which is now identified as Lot 8450 DP1250919. The Site is proposed to be redeveloped into a residential subdivision (the Proposed Development) as part of the staged development of the Watagan Park Residential Development. The location of the Site is shown in **Figure 1** attached.

A draft planning proposal was submitted to Lake Macquarie City Council (LMCC) earlier this year, which included submission of a Preliminary Site Investigation¹ prepared by EP Risk for a former development application (DA). LMCC issued the following preliminary comments in relation to Contamination:

- 1. The Preliminary Site Investigation undertaken by EP Risk, dated 25 August 2017 has been undertaken for 9 Courin Drive, Cooranbong, Part Lot 1 DP 1222727. The report must identify that it covers the lot/lots subject to the current proposal.*
- 2. The history of the subject lot indicates it was a working recreational aviation centre. Prior to recommending conditions, the Preliminary Site Investigations should consider an assessment of Per and Poly- fluoralkyl (PFAS). The assessment is to be undertaken by a suitably qualified and experienced contaminated land consultant, and in accordance with the National Environmental Protection Measures (NEPM) and relevant EPA guidelines for contaminated sites, including the PFAS National Environmental Management Plan (NEMP), and guidance document – Designing Sampling Programs for Sites Potentially Contaminated by PFAS. This assessment shall be included in an updated report.*
- 3. Furthermore, if the 2017 report is to be relied upon confirmation is required that the submitted report is current and no further potential contaminating activities have been undertaken on this subject site since the publication of the report.*

EP Risk has reviewed the preliminary comment and provides the following response and additional information below.

¹ EP Risk (2017) Preliminary Site Investigation, 9 Courin Drive, Cooranbong, NSW, dated 25 August 2017 (ref: EP0600.001).



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Mount Waverley, Vic, 3149
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T 02 9922 5021

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3/19 Bolton Street
Newcastle, NSW, 2300
T 02 4048 2845

Preliminary Comment 1

The EP Risk (2017) Preliminary Site Investigation was submitted with a planning proposal for a DA lodged back in 2017. The boundary of the land assessed by EP Risk (2017) corresponded to a parcel of land known as for 9 Courin Drive, Cooranbong identified as Part Lot 1 DP 1222727.

It is understood that the current planning proposal corresponds to a similar parcel of land known as Lot 8450 DP1250919 which has been modified as a result of more recent subdivisions. Based upon a review of the boundaries of the land subject to the 2017 planning proposal against the boundary of the Site subject to the 2022 planning proposal, both parcels of land are substantially the same land.

On the basis of a review of the EP Risk (2017) report, a site inspection undertaken on 18 July 2022 and a review of updated historical information undertaken in the EP Risk (2022) Supplementary per- and poly- fluoroalkyl substances (PFAS) Assessment², EP Risk can confirm that the findings of the EP Risk (2017) Preliminary Site Investigation covers Lot 8450 DP1250919, the subject of the current planning proposal.

Preliminary Comment 2

A supplementary PFAS Assessment (EP Risk 2022) was prepared to address concerns that the Site formerly contained the Cooranbong Recreational Aviation Centre which may have stored or used PFAS. The PFAS Assessment revealed no observed source of PFAS contamination and no detection of PFAS in soil at the Site.

Preliminary Comment 3

To assess whether any contaminating activities occurred since the EP Risk (2017) report, an updated site history search (Lotsearch report) and site inspection was undertaken on 18 July 2022. The Lotsearch report is attached as **Attachment 1**. A summary of the findings of the site inspection and review of aerial photographs revealed the following:

- No significant changes to the Site were observed with the exception of some stockpiling of topsoil and mulch in the northern portion.
- EP Risk spoke to the construction contractor (Daracon), and it is understood the stockpiles comprise topsoil and mulch from other stages of the Watagan Park Residential Development.
- The northern portion of the Site is being used to store these materials during the staged development of Watagan Park.
- All previous stages of the Watagan Park development have been assessed for contamination as required by the relevant planning consent conditions from LMCC.

² EP Risk (2022) *Supplementary per- and poly- fluoroalkyl substances (PFAS) Assessment*, 35 McCullough Street, Cooranbong, NSW, dated 28 July 2022 (ref: EP2743.001).

Based on the information above it is considered the EP Risk (2017) report along with the Supplementary PFAS Assessment are sufficient to assess the risk of contamination to the proposed residential subdivision and it's considered the Site presents a low risk of contamination on the proviso the recommendations in the EP Risk (2017) Preliminary Site Investigation are implemented.

Please feel free to contact the undersigned on 0422 937 410 should you have any queries.

Yours sincerely



Nathan McGuire
Environmental Engineer
EP Risk Management Pty Ltd
ABN: 81 147 147 591

Attachments:

Figure 1 – Site location
Attachment 1 – Lotsearch Report

QUALITY CONTROL

Version	Author	Date	Reviewer	Date	Quality Review	Date
v1	N. McGuire	28.07.2022	P. Simpson	28.07.2022	P. Simpson	28.07.2022

DOCUMENT CONTROL

Version	Date	Reference	Submitted to
v1	28.07.2022	EP2743.002_JPG_Cooranbong_PSI Addendum_v1	Johnson Property Group Pty Ltd

LIMITATIONS

This Assessment of Contamination was conducted on the behalf of Johnson Property Group Pty Ltd for the purpose/s stated above.

EP Risk has prepared this document in good faith, but is unable to provide certification outside of areas over which EP Risk had some control or were reasonably able to check. The report also relies upon information provided by third parties. EP Risk has undertaken all practical steps to confirm the reliability of the information provided by third parties and do not accept any liability for false or misleading information provided by these parties.

It is not possible in a Assessment of Contamination to present all data, which could be of interest to all readers of this report. Readers are referred to any referenced investigation reports for further data.

Users of this document should satisfy themselves concerning its application to, and where necessary seek expert advice in respect to, their situation.

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Figures



Legend
Site Boundary
Site Location

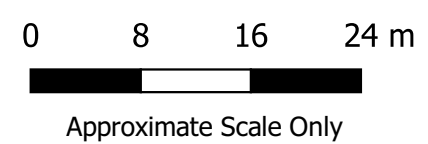


Figure 1 - Site Location

ATTACHMENT 1

LOTSEARCH REPORT (2022)



LOTSEARCH

LOTSEARCH ENVIRO LITE

Date: 15 Jul 2022 12:28:57

Reference: LS034373 EL

Address: 35 McCullough Street, Cooranbong, NSW 2265

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	17/06/2022	17/06/2022	Quarterly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	25/06/2019	25/06/2019	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	29/06/2022	06/05/2022	Monthly	1000m	0	0	2
Contaminated Land Records of Notice	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority	03/06/2022	14/07/2021	Quarterly	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	23/06/2022	13/07/2012	Annually	1000m	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority	06/06/2022	14/07/2021	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	15/06/2022	15/06/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	15/06/2022	15/06/2022	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	15/06/2022	15/06/2022	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	06/06/2022	06/06/2022	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	16/02/2022	13/12/2018	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	1	1	1
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	0	0	1
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	14/06/2022	14/06/2022	Monthly	1000m	3	3	3
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150m	0	0	0
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150m	-	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500m	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500m	-	0	0
Points of Interest	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	2
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	4
Major Easements	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	2
State Forest	Forestry Corporation of NSW	25/02/2021	14/02/2021	Annually	1000m	0	0	1
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	10/02/2022	31/12/2021	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	Annually	1000m	1	1	2
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	28/03/2022	23/02/2018	Annually	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	24/01/2022	24/01/2022	Annually	2000m	0	0	5

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
NSW Seamless Geology Single Layer: Rock Units	Department of Regional NSW	17/02/2022	01/05/2021	Annually	1000m	1	1	5
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	1
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	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	1	1	2
Soil Landscapes of Central and Eastern NSW	NSW Department of Planning, Industry and Environment	14/10/2020	27/07/2020	Annually	1000m	1	1	3
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	26/05/2022	06/05/2022	Monthly	500m	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	1	1	2
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	19/08/2021	05/08/2021	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Industry	29/06/2022	29/06/2022	Monthly	1000m	1	1	3
Mining Title Applications	NSW Department of Industry	29/06/2022	29/06/2022	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Industry	29/06/2022	29/06/2022	Monthly	1000m	10	10	13
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	15/11/2021	07/12/2018	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	15/11/2021	05/11/2021	Monthly	1000m	5	8	31
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	19/08/2021	25/06/2021	Quarterly	1000m	0	0	0
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Industry and Environment	26/05/2022	01/04/2022	Monthly	1000m	0	0	1
Bush Fire Prone Land	NSW Rural Fire Service	11/07/2022	08/12/2021	Weekly	1000m	3	3	4
Lower Hunter and Central Coast Regional Vegetation Survey	NSW Office of Environment & Heritage	28/02/2015	16/11/2009	As required	1000m	5	5	15
Ramsar Wetlands of Australia	Australian Government Department of Agriculture, Water and the Environment	28/03/2022	19/03/2020	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Annually	1000m	3	5	7
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000m	8	11	20
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	11/07/2022	11/07/2022	Weekly	10000m	-	-	-

Site Diagram

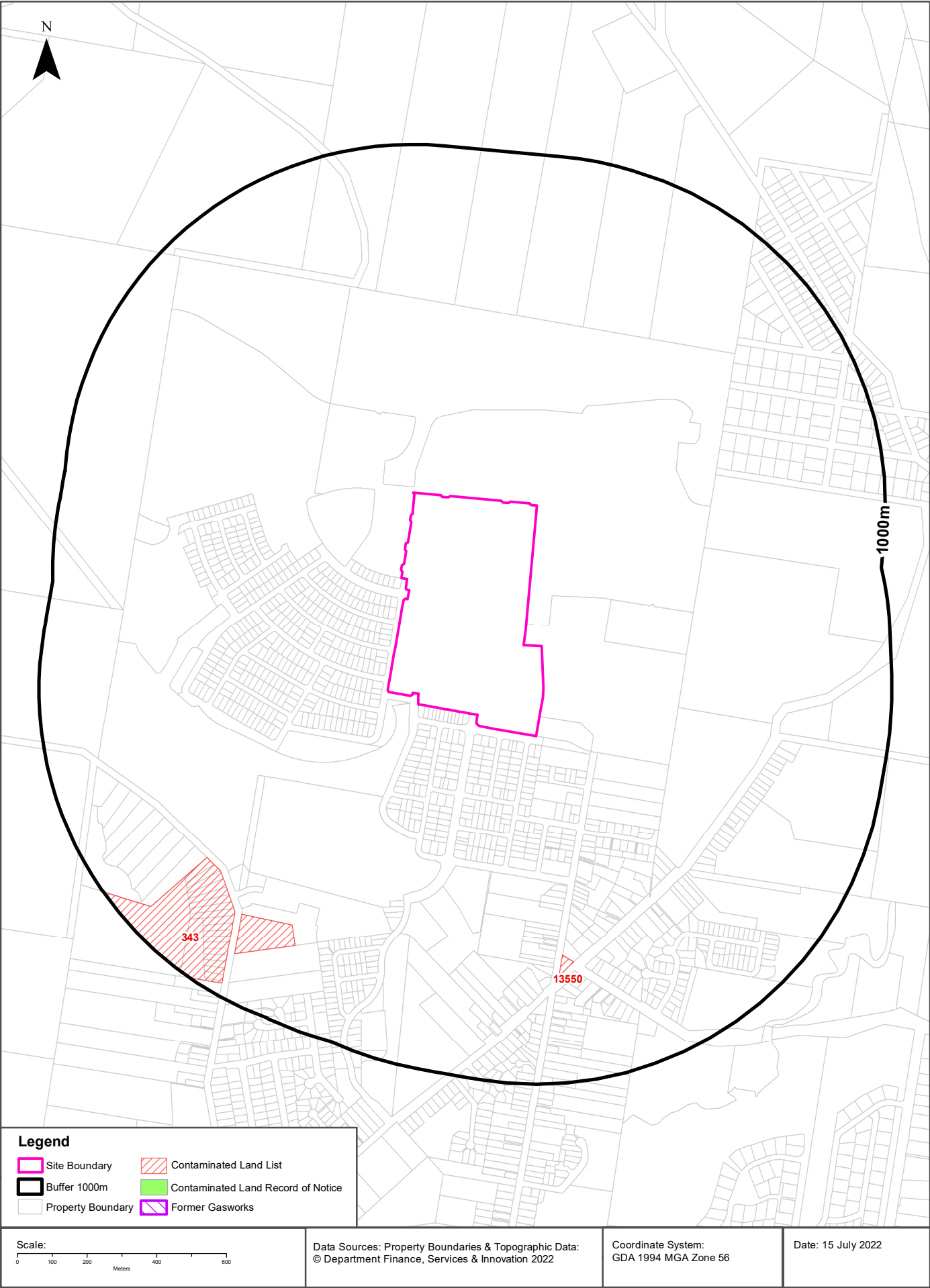
35 McCullough Street, Cooranbong, NSW 2265



Legend <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	Total Area: 239161m ²	
	Total Perimeter: 2.21km	
	Disclaimers: Measurements are approximate only and may have been simplified or smaller lengths removed for readability. Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.	
Scale: 0 25 50 100 150 Meters	Data Source Aerial Imagery: © Aerometrex Pty Ltd	
Coordinate System: GDA 1994 MGA Zone 56	Date: 15 July 2022	

Contaminated Land

35 McCullough Street, Cooranbong, NSW 2265



Contaminated Land

35 McCullough Street, Cooranbong, NSW 2265

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
13550	Avondale Auto Centre	679 Freemans DRIVE	COORANBONG	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	632m	South
343	Former Poultry Farm - 91 Alton Road, Cooranbong	64 - 98 Alton Road	Cooranbong	Unclassified	Regulation under CLM Act not required	Current EPA List	Premise Match	704m	South West

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

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

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

Contaminated Land

35 McCullough Street, Cooranbong, NSW 2265

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

Waste Management & Liquid Fuel Facilities

35 McCullough Street, Cooranbong, NSW 2265

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

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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

35 McCullough Street, Cooranbong, NSW 2265

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

35 McCullough Street, Cooranbong, NSW 2265

Defence 3 Year Regional Contamination Investigation Program

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

EPA Other Sites with Contamination Issues

35 McCullough Street, Cooranbong, NSW 2265

EPA Other Sites with Contamination Issues

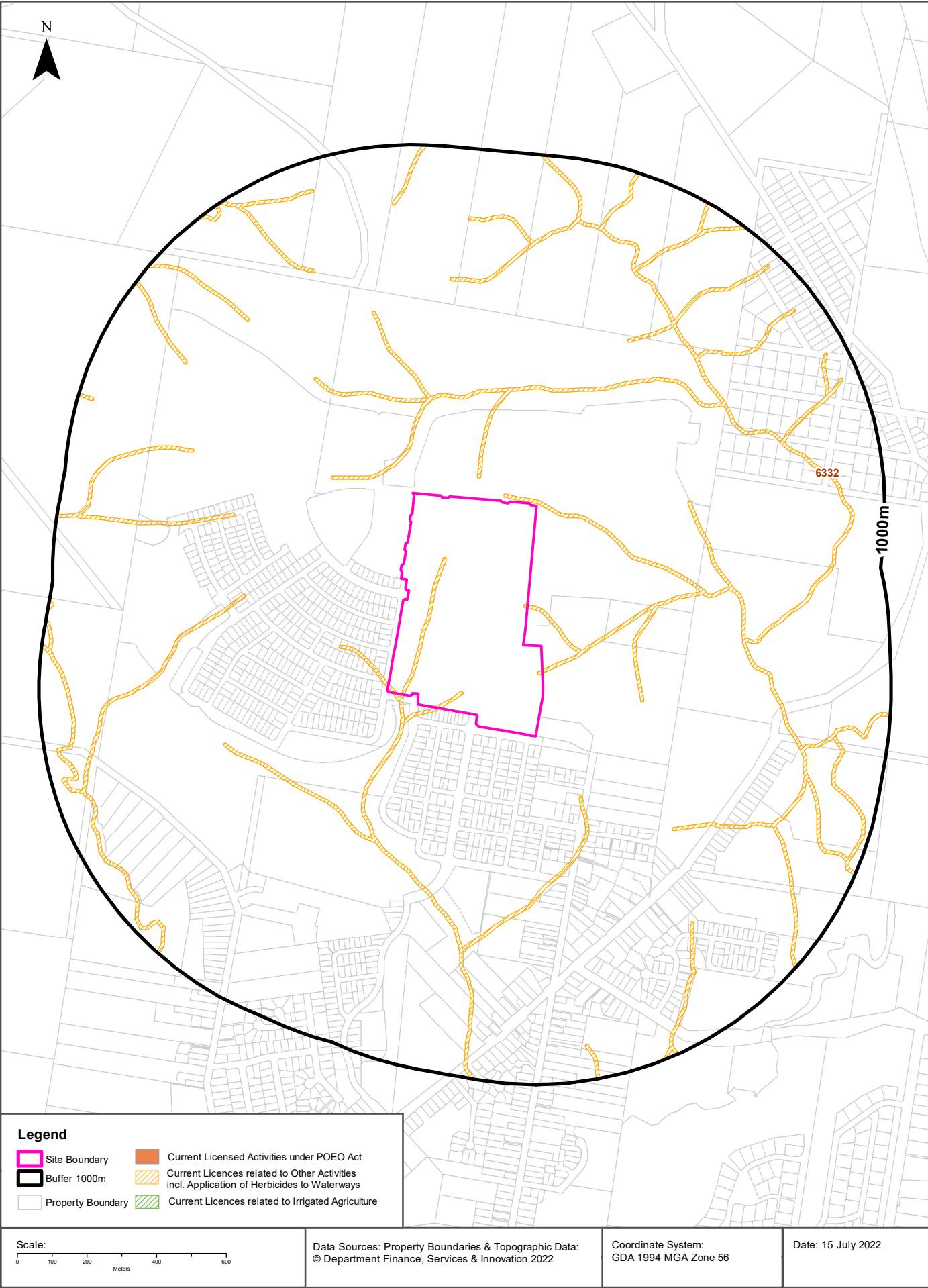
This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

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

Sites within the dataset buffer:

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

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



EPA Activities

35 McCullough Street, Cooranbong, NSW 2265

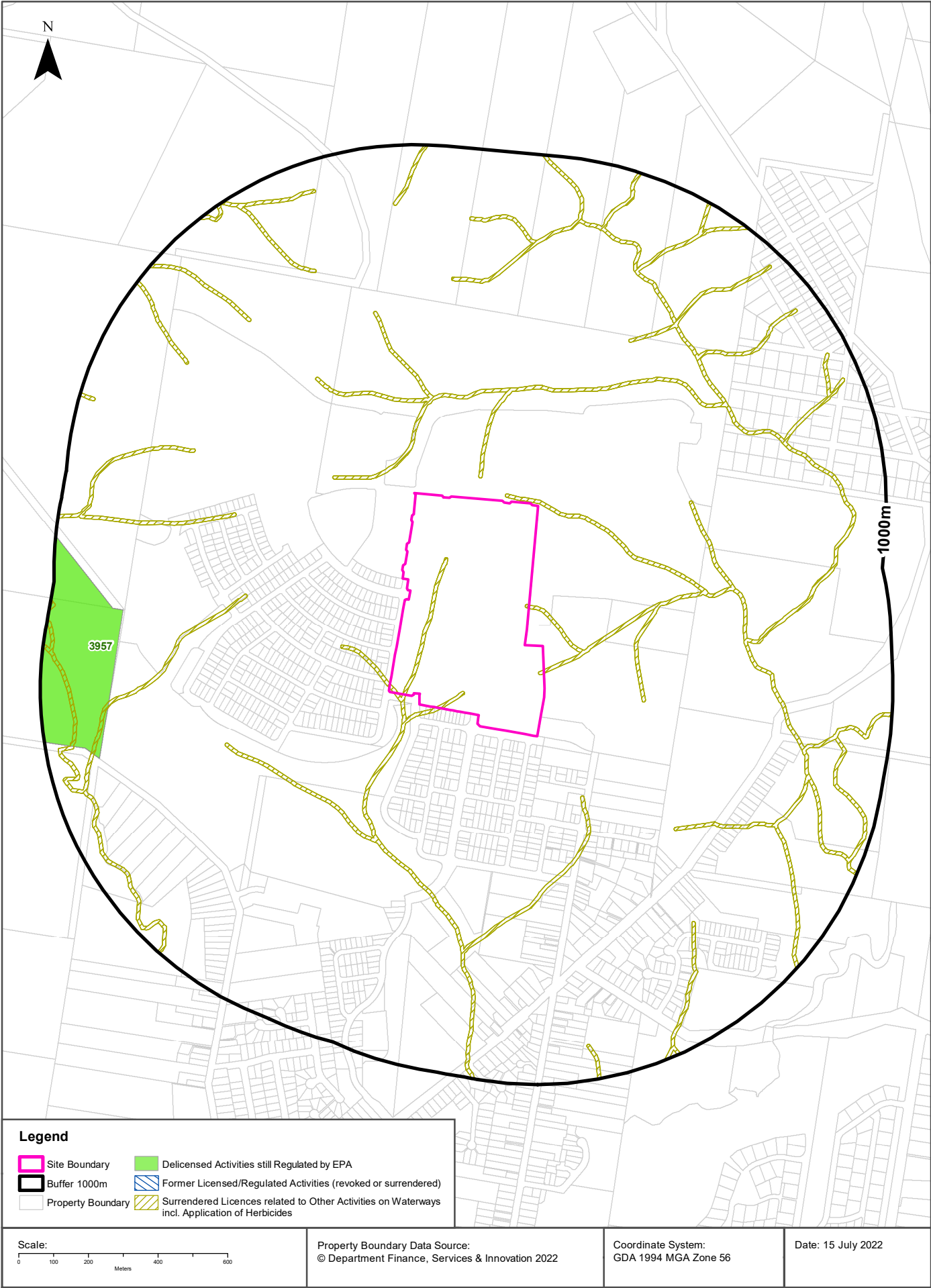
Licensed Activities under the POEO Act 1997

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
6332	LAKE MACQUARIE CITY COUNCIL	-	-	SPEERS POINT	Other activities	Network of Features	0m	On-site

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority



EPA Activities

35 McCullough Street, Cooranbong, NSW 2265

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
3957	FORESTRY CORPORATION OF NEW SOUTH WALES		LOWER NORTH EAST REGION (L.N.E.R) STATE FORESTS AND CROWN-TIMBER LANDS (EX.PLANTATION S) WITHIN THE L.N.E.R. SHOWN ON MAP 1 - L.N.E.R. FOREST AGREEMENT		Logging operations	Network of Features	790m	West

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

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

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

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

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

Historical Business Directories

35 McCullough Street, Cooranbong, NSW 2265

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					

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

Historical Business Directories

35 McCullough Street, Cooranbong, NSW 2265

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

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

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

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

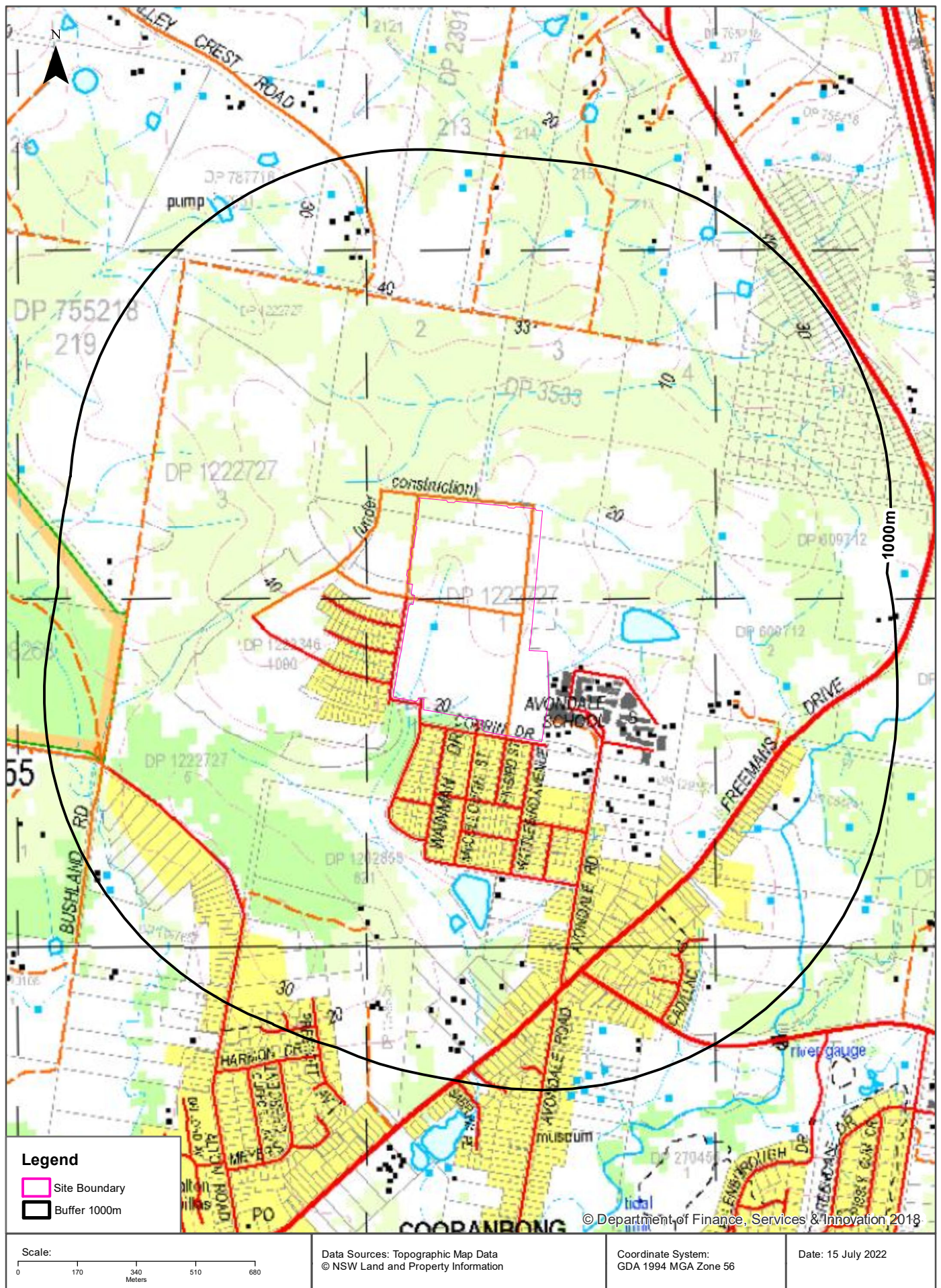
Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

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

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

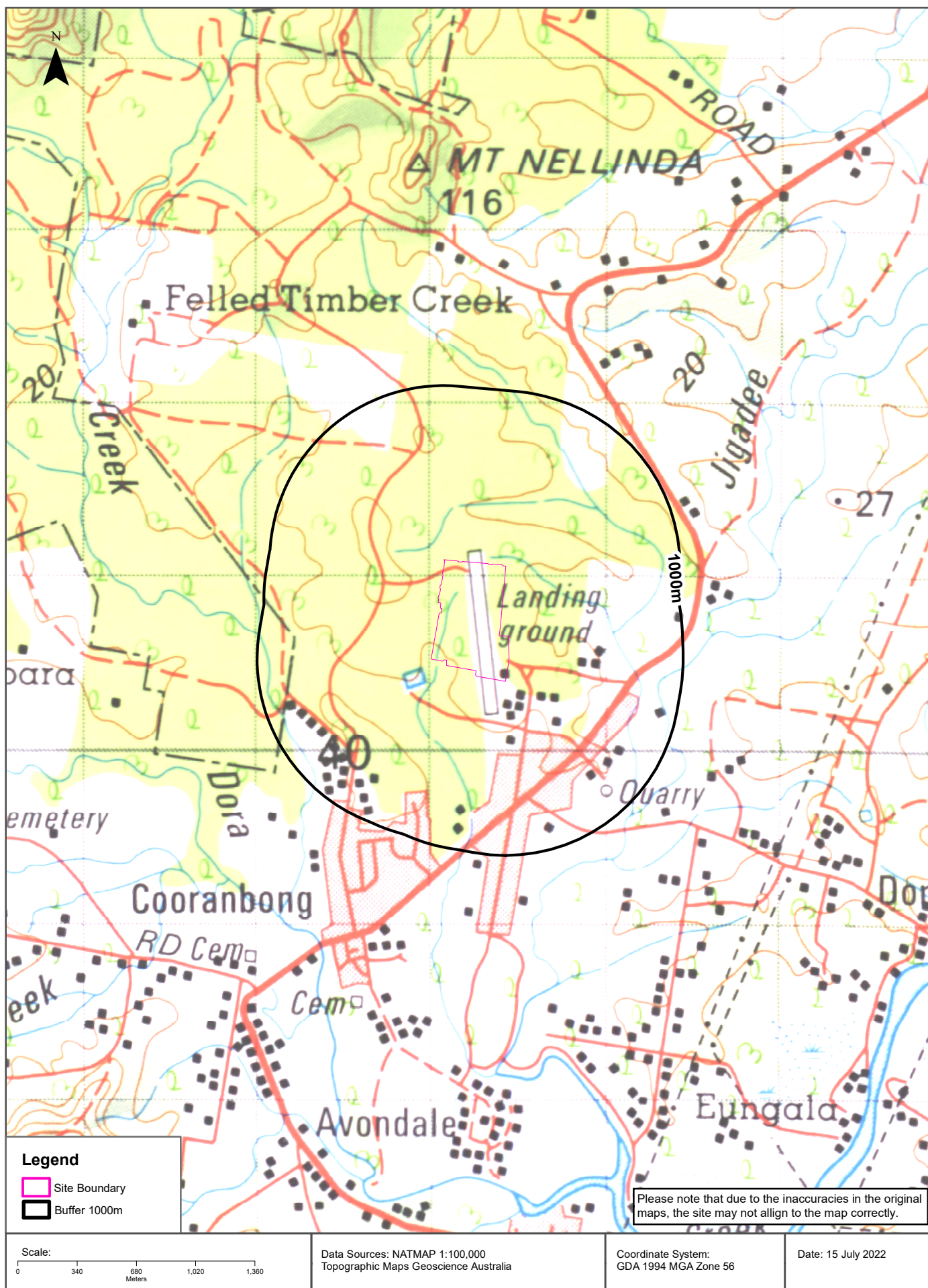
Topographic Map 2015

35 McCullough Street, Cooranbong, NSW 2265



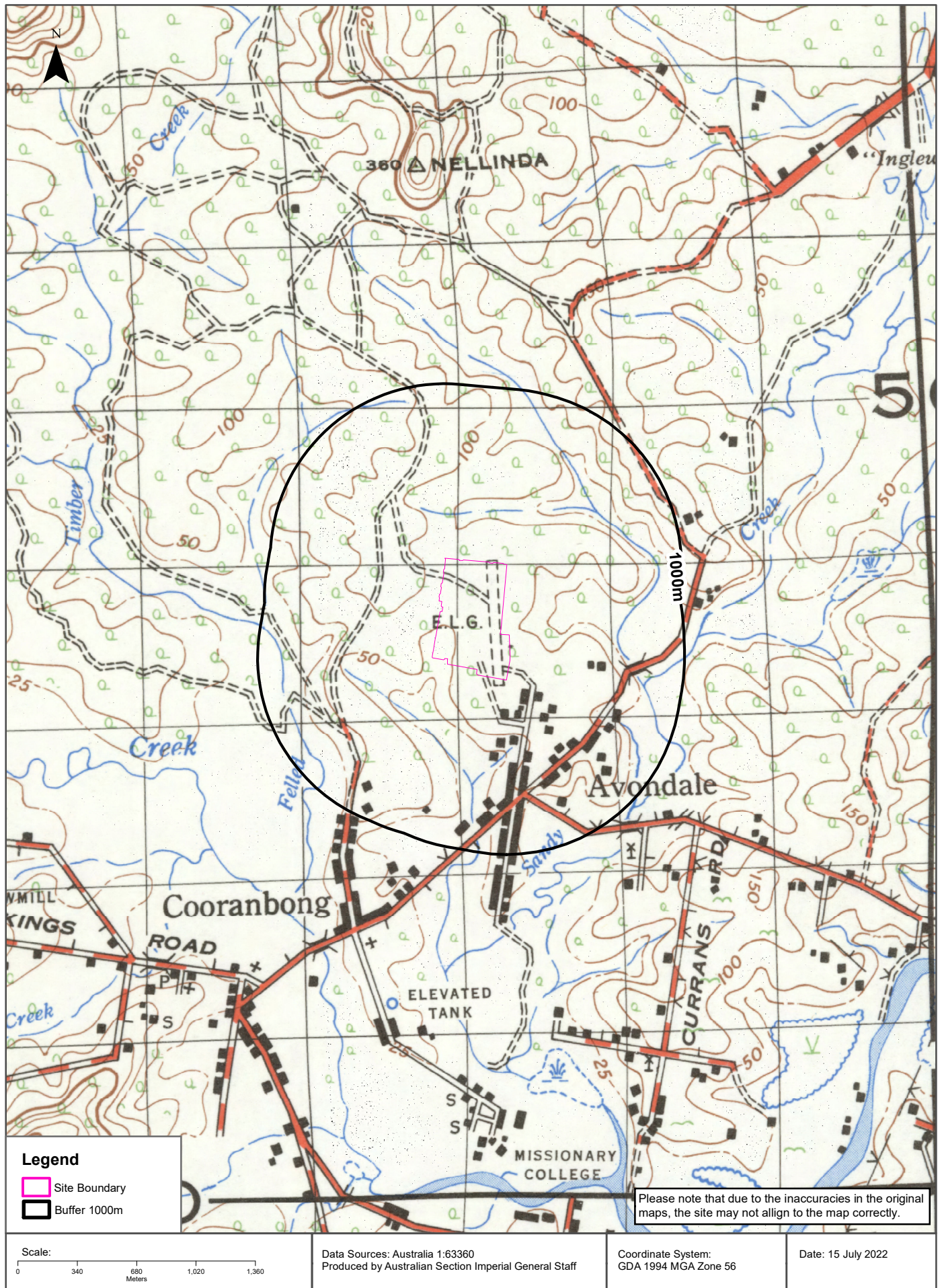
Historical Map 1975

35 McCullough Street, Cooranbong, NSW 2265



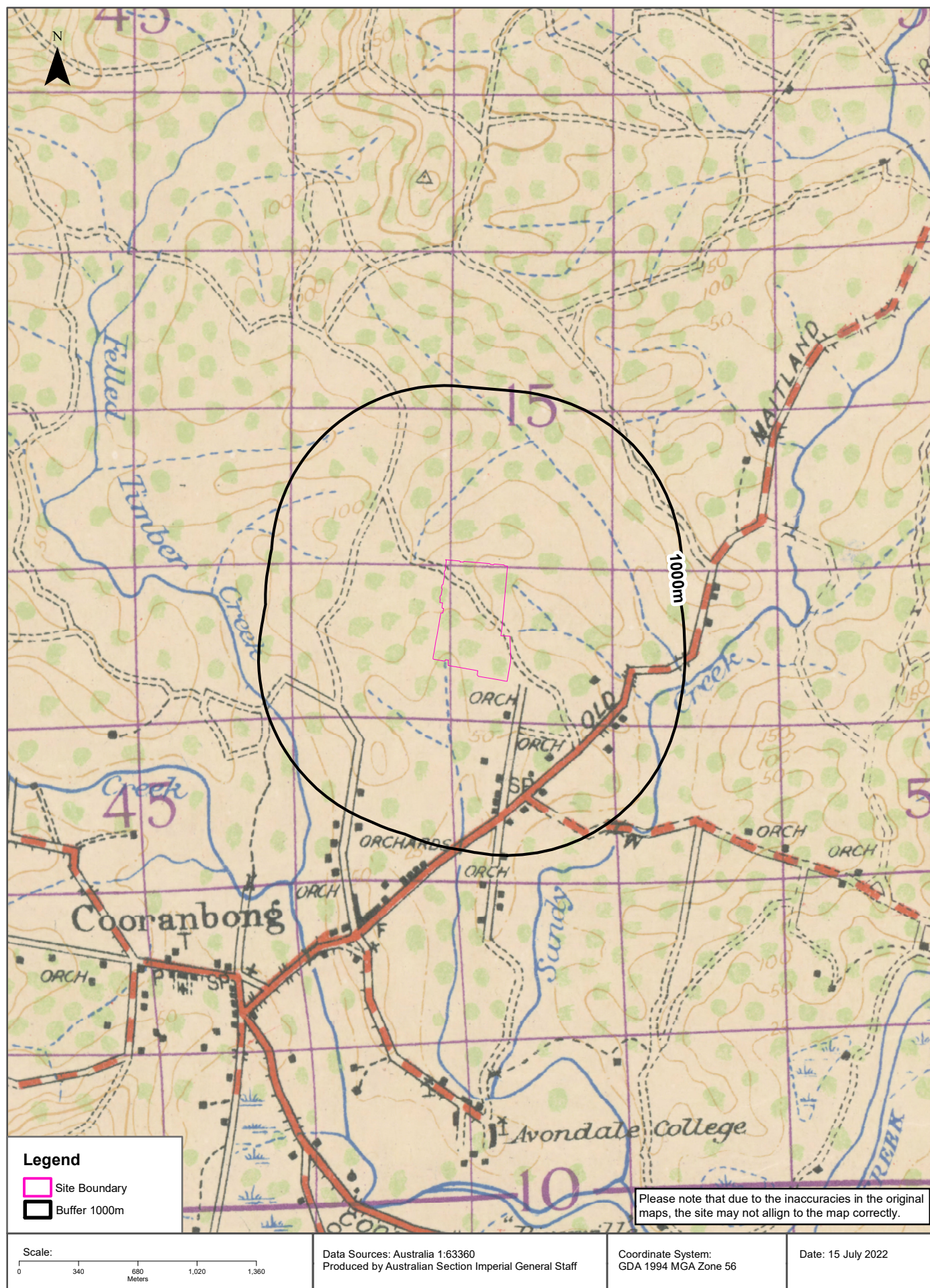
Historical Map c.1959

35 McCullough Street, Cooranbong, NSW 2265



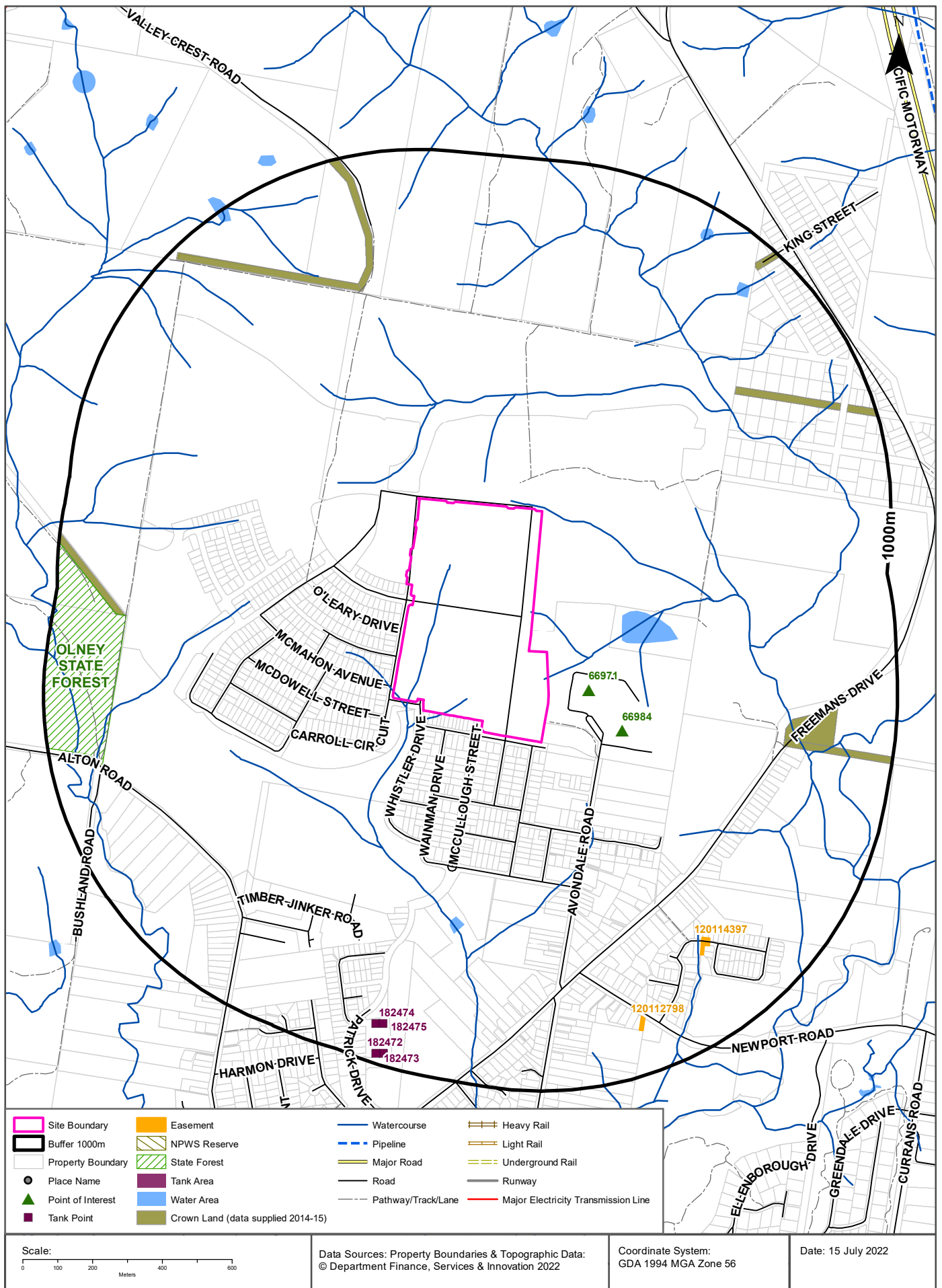
Historical Map c.1926

35 McCullough Street, Cooranbong, NSW 2265



Topographic Features

35 McCullough Street, Cooranbong, NSW 2265



Topographic Features

35 McCullough Street, Cooranbong, NSW 2265

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
66971	High School	AVONDALE SCHOOL	115m	South East
66984	Primary School	AVONDALE SCHOOL	223m	South East

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

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Topographic Features

35 McCullough Street, Cooranbong, NSW 2265

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
182475	Water	Operational		14/07/2018	883m	South
182474	Water	Operational		14/07/2018	891m	South
182472	Water	Operational		14/07/2018	965m	South
182473	Water	Operational		14/07/2018	973m	South

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
120114397	Primary	Undefined		725m	South East
120112798	Primary	Undefined		836m	South

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

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Topographic Features

35 McCullough Street, Cooranbong, NSW 2265

State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
124	OLNEY	790m	West

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

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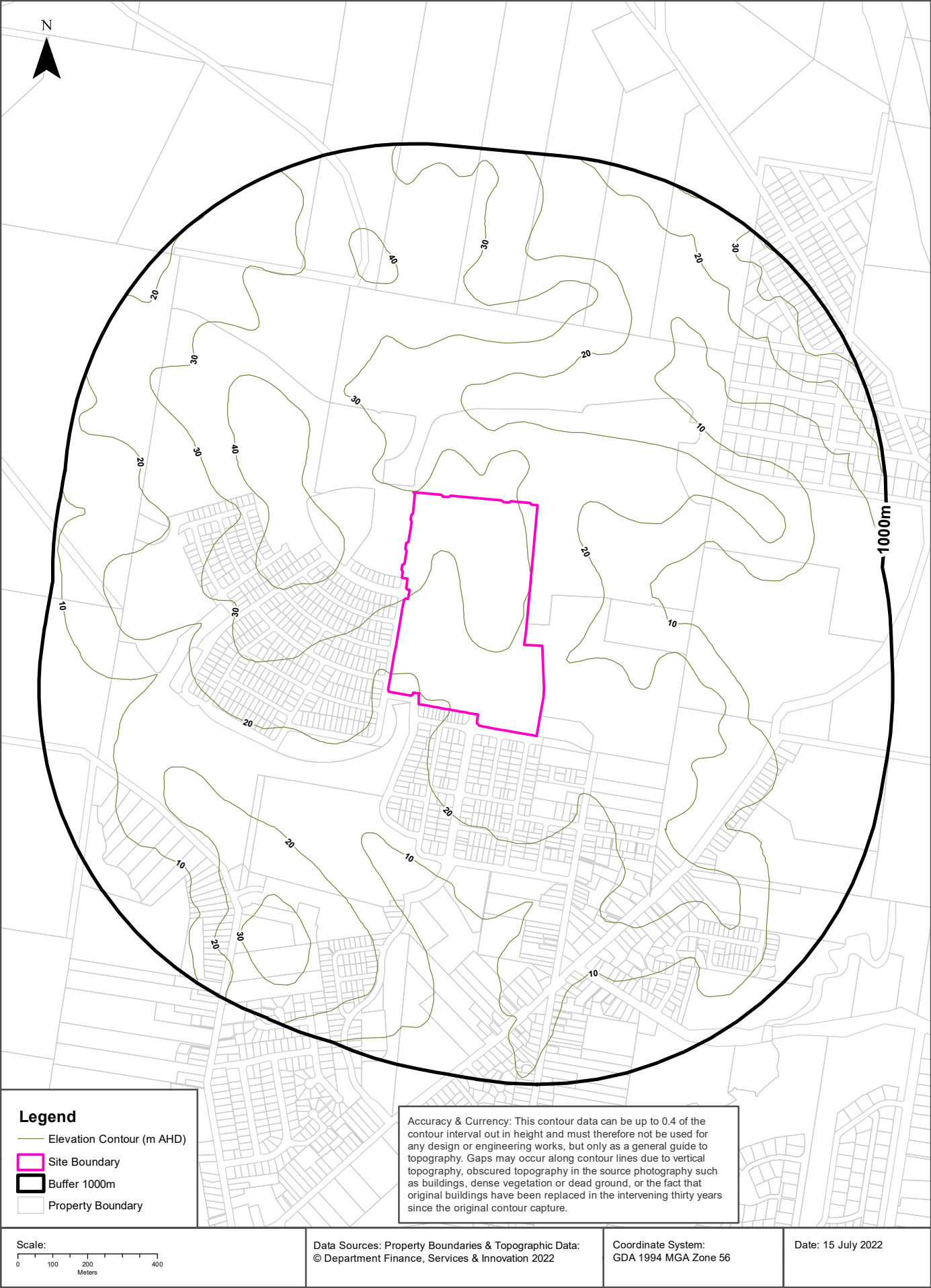
National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

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

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Hydrogeology & Groundwater

35 McCullough Street, Cooranbong, NSW 2265

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Fractured or fissured, extensive aquifers of low to moderate productivity	0m	On-site
Porous, extensive aquifers of low to moderate productivity	103m	South

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

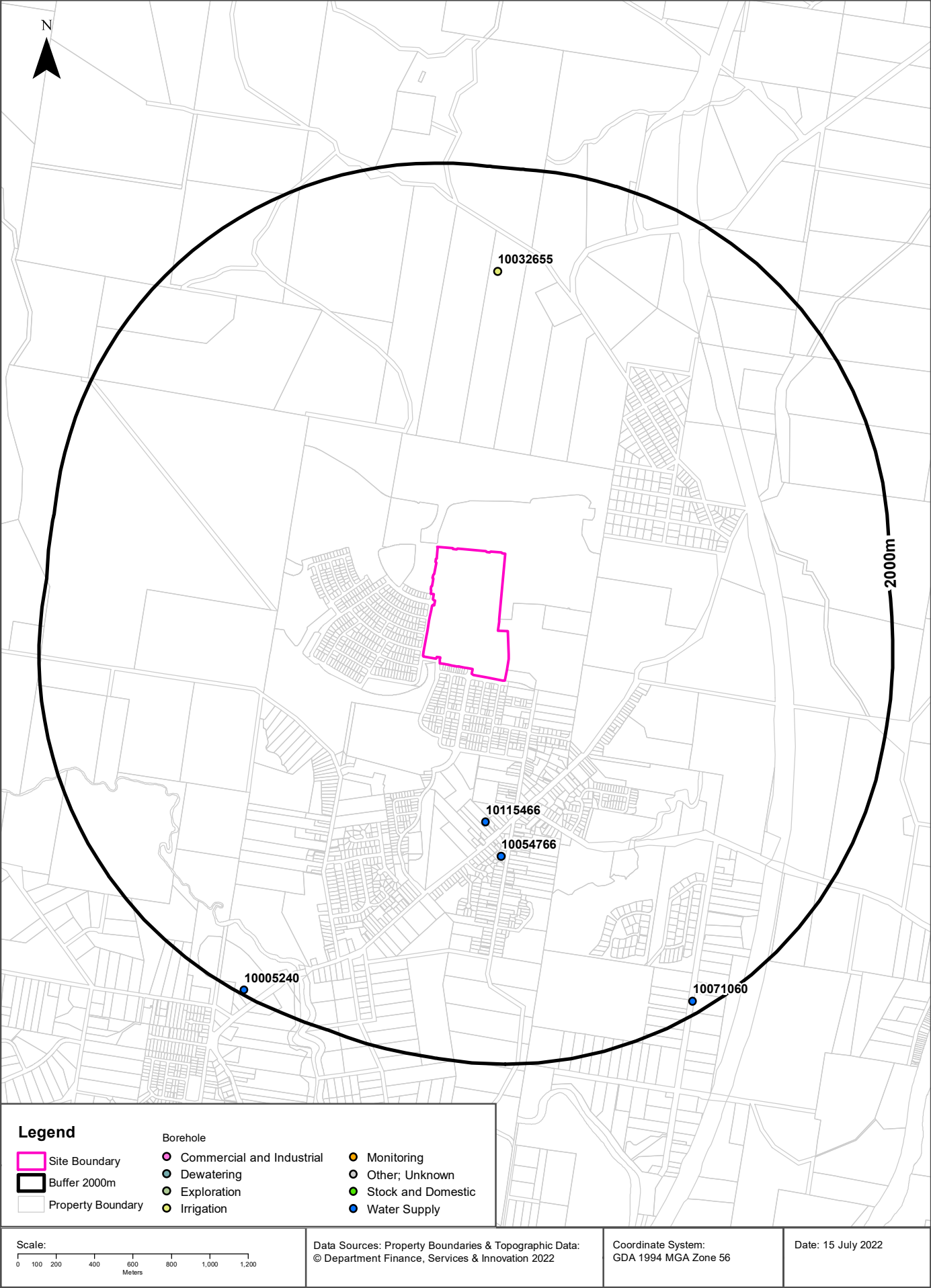
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Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

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



Hydrogeology & Groundwater

35 McCullough Street, Cooranbong, NSW 2265

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
10115466	GW200765	Water Supply	Unknown	12/10/1980	8.00		AHD		6.000	6.00	744m	South
10054766	GW064116	Water Supply	Unknown	01/03/1987	21.30		AHD	0-500 ppm			916m	South
10032655	GW057310	Irrigation	Unknown	01/05/1982	61.00		AHD				1457m	North
10071060	GW064033	Water Supply	Unknown	01/03/1987	49.40		AHD	501-1000 ppm			1937m	South East
10005240	GW067263	Water Supply	Functioning	20/03/1989	10.00	3.00	AHD		0.150	3.00	1975m	South West

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

Hydrogeology & Groundwater

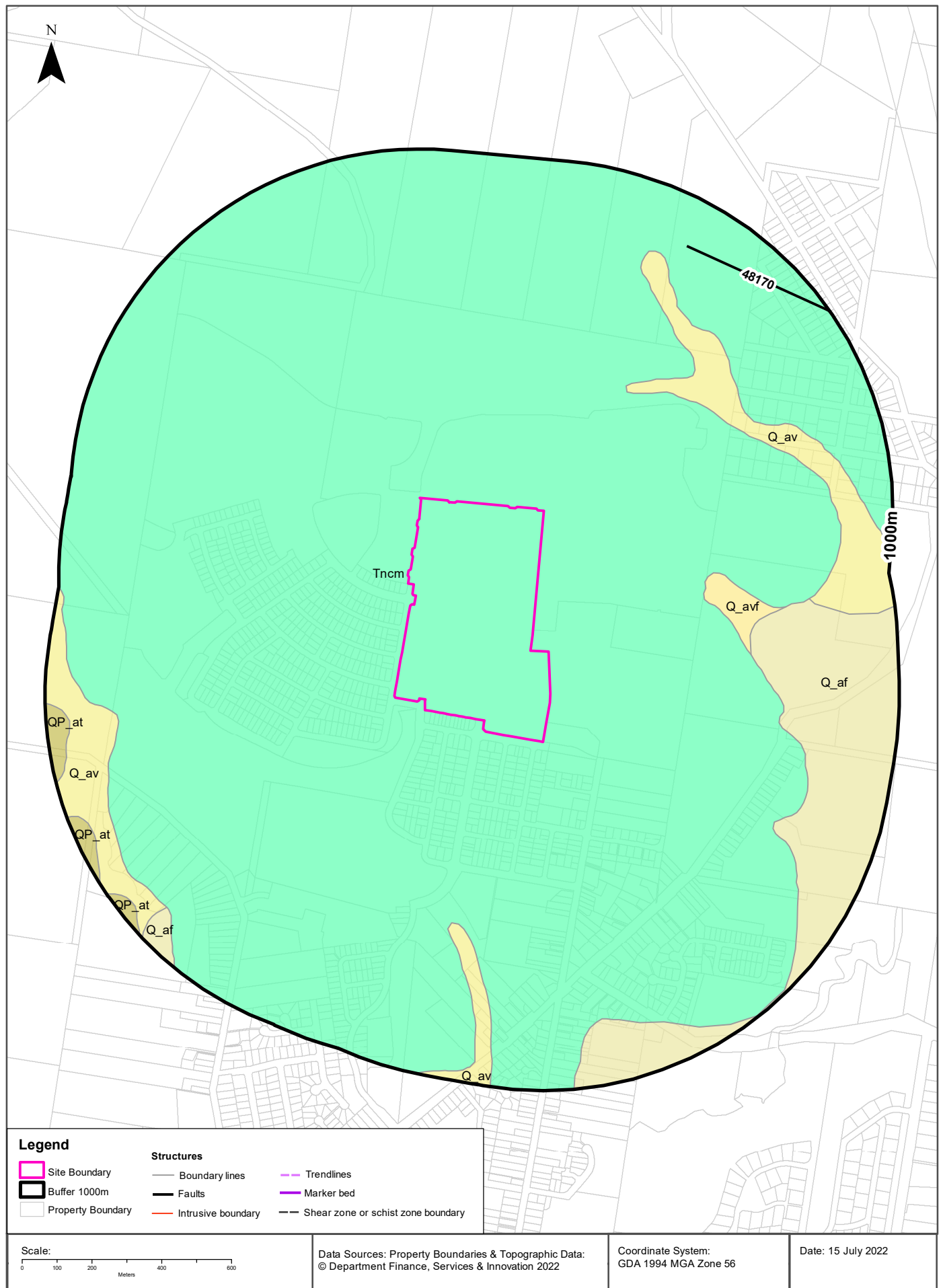
35 McCullough Street, Cooranbong, NSW 2265

Driller's Logs

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

NGIS Bore ID	Drillers Log	Distance	Direction
10054766	0.00m-1.80m Clay 1.80m-11.50m Conglomerate 11.50m-15.30m Sandstone Weathered Water Supply 15.30m-17.60m Conglomerate 17.60m-18.30m Sandstone Water Supply 18.30m-21.30m Conglomerate	916m	South
10032655	0.00m-1.00m Soil 1.00m-3.00m Clay 3.00m-61.00m Shale Water Supply	1457m	North
10071060	0.00m-2.00m Soil Sandy 2.00m-6.00m Conglomerate 6.00m-10.60m Conglomerate Hard 10.60m-19.80m Sandstone Water Supply 19.80m-45.70m Conglomerate Some 45.70m-50.20m Sandstone Water Supply 50.20m-54.80m Shale	1937m	South East

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



Geology

35 McCullough Street, Cooranbong, NSW 2265

Geological Units

What are the Geological Units within the dataset buffer?

Unit Code	Unit Name	Description	Unit Stratigraphy	Age	Dominant Lithology	Distance
Tncm	Munmorah Conglomerate	Medium- to coarse-grained lithic to quartz-lithic sandstone, granule to pebble polymictic conglomerate; minor siltstone and white claystone, thin lenticular coal seams.	/Narrabeen Group/Clifton Subgroup/Munmorah Conglomerate//	Lopingian (base) to Early Triassic (top)	Sandstone	0m
Q_av	Alluvial valley deposits	Silt, clay, (fluvially deposited) lithic to quartz-lithic sand, gravel.	/Alluvium//Alluvial valley deposits//	Quaternary (base) to Now (top)	Clastic sediment	416m
Q_avf	Alluvial fan deposits	Fluvially-deposited quartz-lithic sand, silt, gravel, clay.	/Alluvium//Alluvial valley deposits//Alluvial fan deposits//	Quaternary (base) to Now (top)	Clastic sediment	471m
Q_af	Alluvial floodplain deposits	Silt, very fine- to medium-grained lithic to quartz-rich sand, clay.	/Alluvium//Alluvial floodplain deposits//	Quaternary (base) to Now (top)	Clastic sediment	579m
QP_at	Alluvial terrace deposits	Silt, clay, (fluvially-deposited) fine- to medium-grained quartz-lithic sand, polymictic gravel.	/Alluvium//Alluvial terrace deposits//	Quaternary (base) to Now (top)	Clastic sediment	932m

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
48170	Faulted boundary	Normal fault, accurate.	Gosford-Lake Macquarie 1:100,000 Geological Sheet	862m

Geological Data Source: Statewide Seamless Geology v2.1, Department of Regional NSW

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Naturally Occurring Asbestos Potential

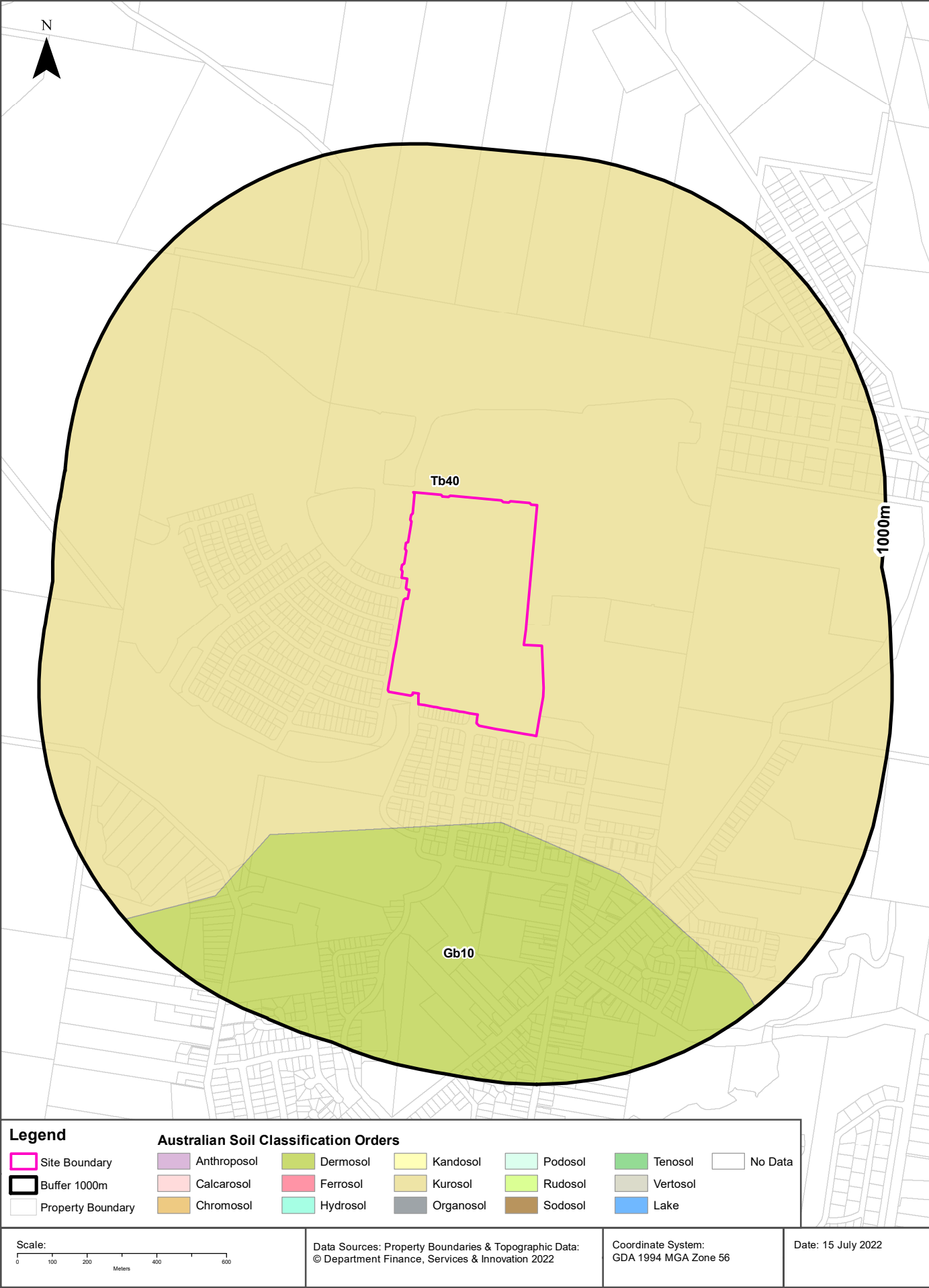
35 McCullough Street, Cooranbong, NSW 2265

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



Soils

35 McCullough Street, Cooranbong, NSW 2265

Atlas of Australian Soils

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

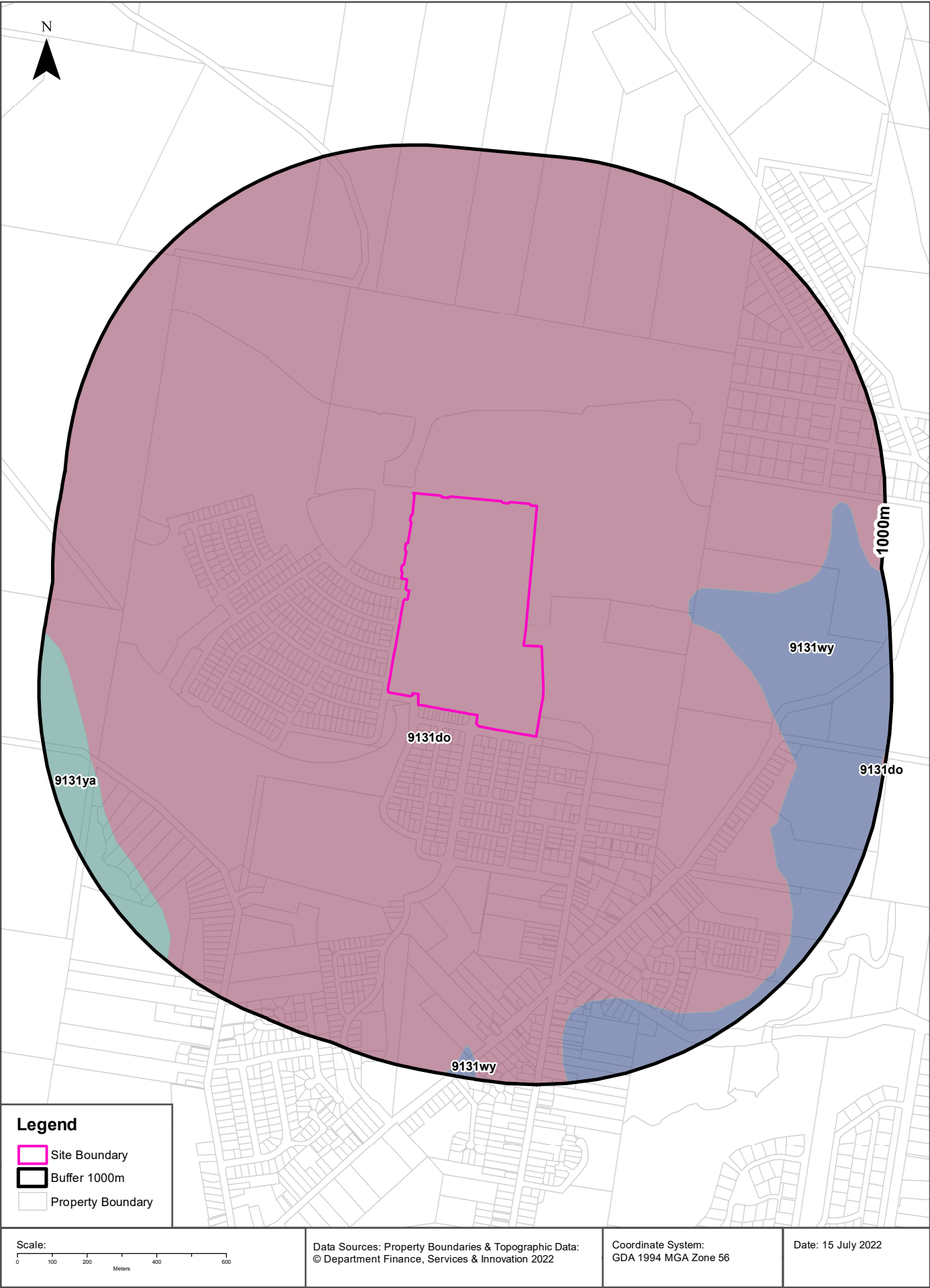
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Tb40	Kurosol	Undulating to hilly areas with some steep slopes and cliffs, rock outcrops, and narrow terraced valleys: chief soils are hard acidic yellow mottled soils (Dy3.41) with some shallow soils such as (Um4.1) and (Uc4.1) on the steeper slopes. Associated are: (Gn2.2) soils and (Dd1) soils, both of which occur on slopes; undescribed soils in the valleys; and some (Dy5) and (Uc1 .2) soils along the coast. As mapped, small areas of units Gb10 and Cb28 are included.	0m	On-site
Gb10	Dermosol	River terraces, levees, flood-plains, coastal swamps, and tidal flats: this unit contains the same land forms and soils as unit Gb9, but in addition has (i) swamps and levees of the lower river flood-plain of (Uf6.6), (Ug5), and other undescribed soils; (ii) estuarine flats of peaty or organic soils over acid clays; and (iii) tidal mud flats. The soils of these areas are not well known but probably have similarities with the soils of units J3, Mc4, NY1, and NN1. The smaller areas mapped as unit Gb10 consist mainly of areas of (i) and/or (iii) above.	261m	South

Atlas of Australian Soils Data Source: CSIRO

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Soil Landscapes of Central and Eastern NSW

35 McCullough Street, Cooranbong, NSW 2265



Soils

35 McCullough Street, Cooranbong, NSW 2265

Soil Landscapes of Central and Eastern NSW

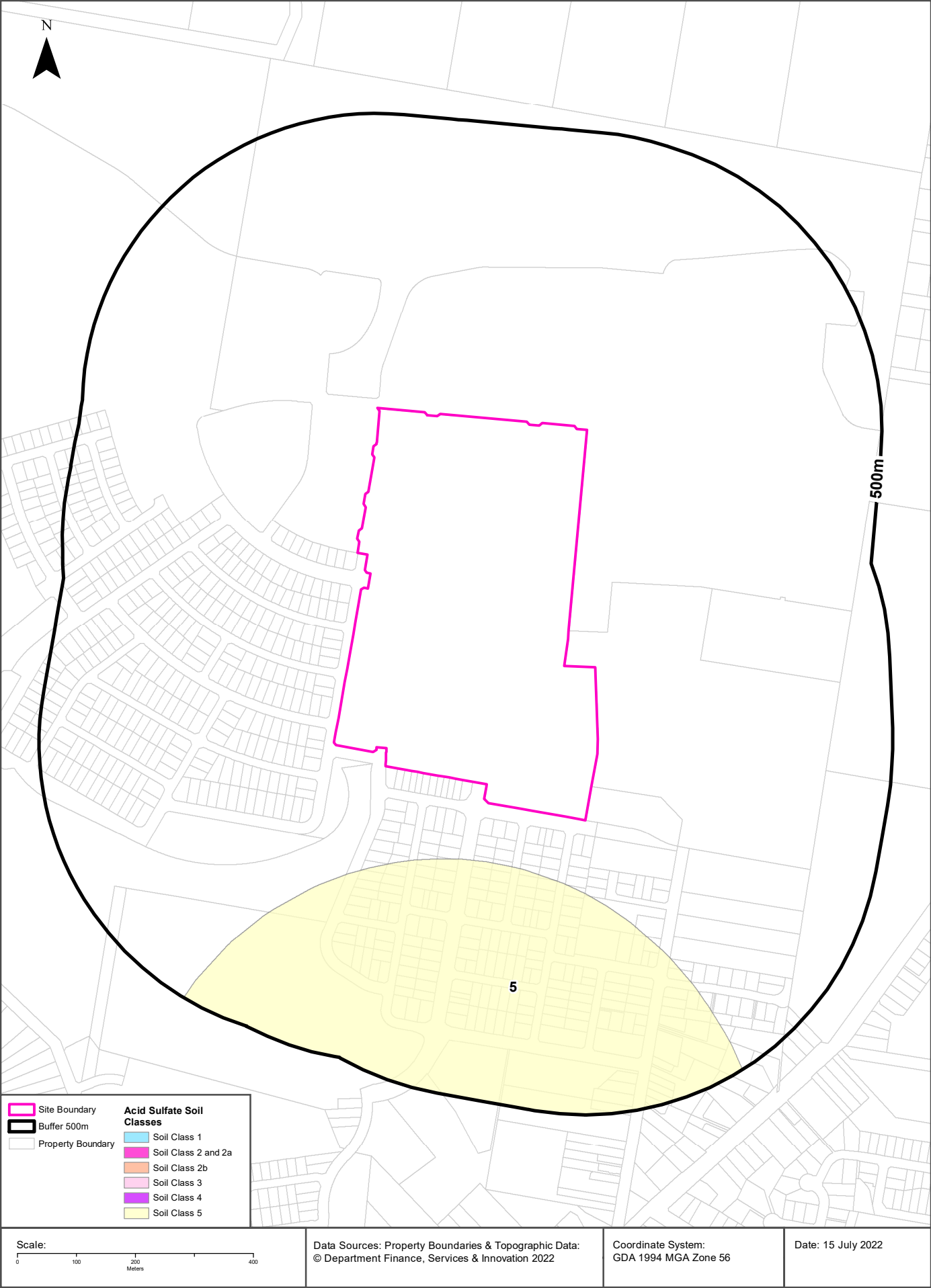
Soil Landscapes of Central and Eastern NSW within the dataset buffer:

Soil Code	Name	Distance	Direction
9131do	Doyalson	0m	On-site
9131wy	Wyong	429m	South East
9131ya	Yarramalong	869m	South West

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

35 McCullough Street, Cooranbong, NSW 2265



Acid Sulfate Soils

35 McCullough Street, Cooranbong, NSW 2265

Environmental Planning Instrument - Acid Sulfate Soils

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

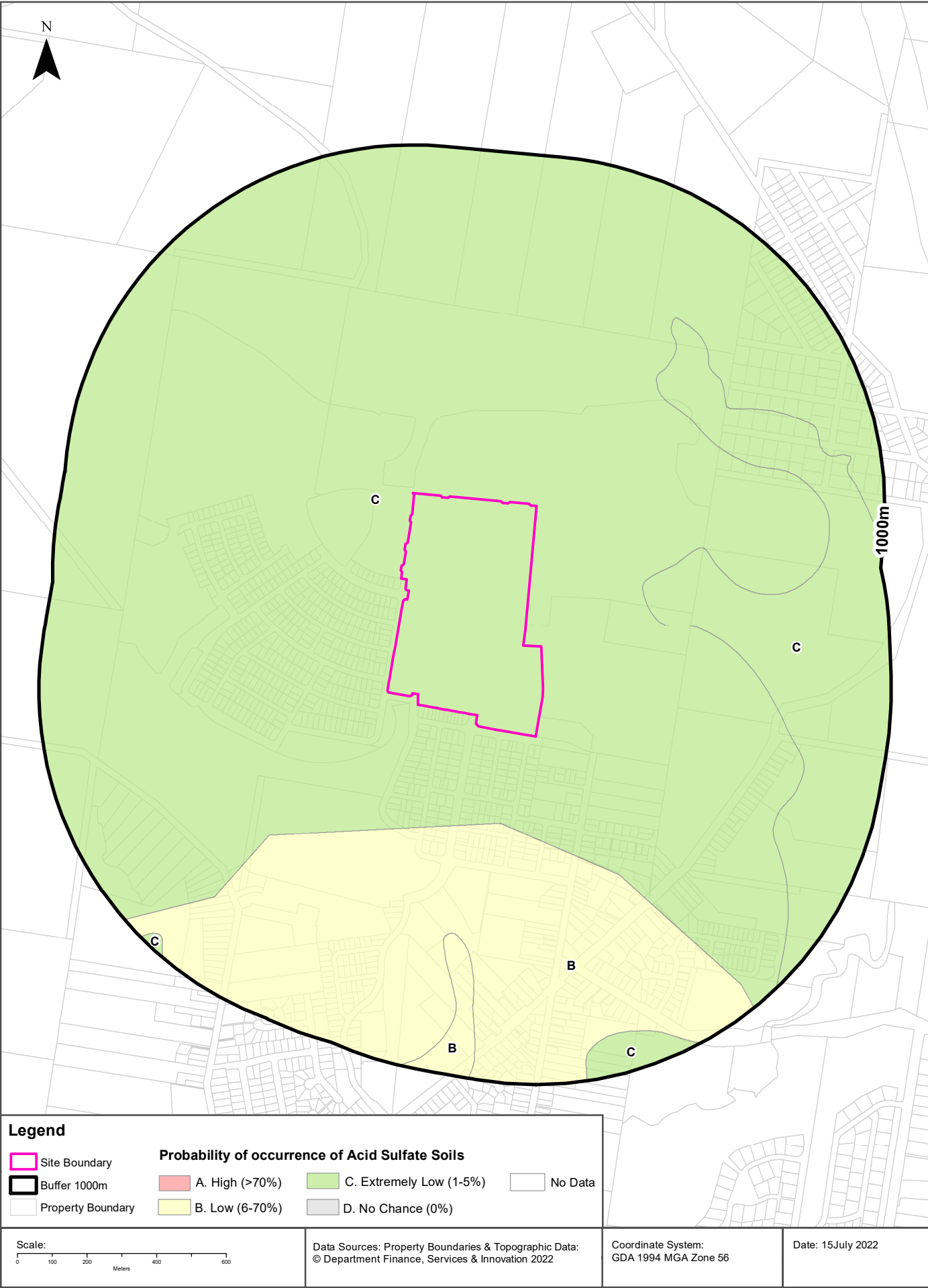
Soil Class	Description	EPI Name
N/A		

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

Soil Class	Description	EPI Name	Distance	Direction
N/A				

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Acid Sulfate Soils

35 McCullough Street, Cooranbong, NSW 2265

Atlas of Australian Acid Sulfate Soils

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

Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site
B	Low Probability of occurrence. 6-70% chance of occurrence.	262m	South

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

35 McCullough Street, Cooranbong, NSW 2265

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

35 McCullough Street, Cooranbong, NSW 2265

Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

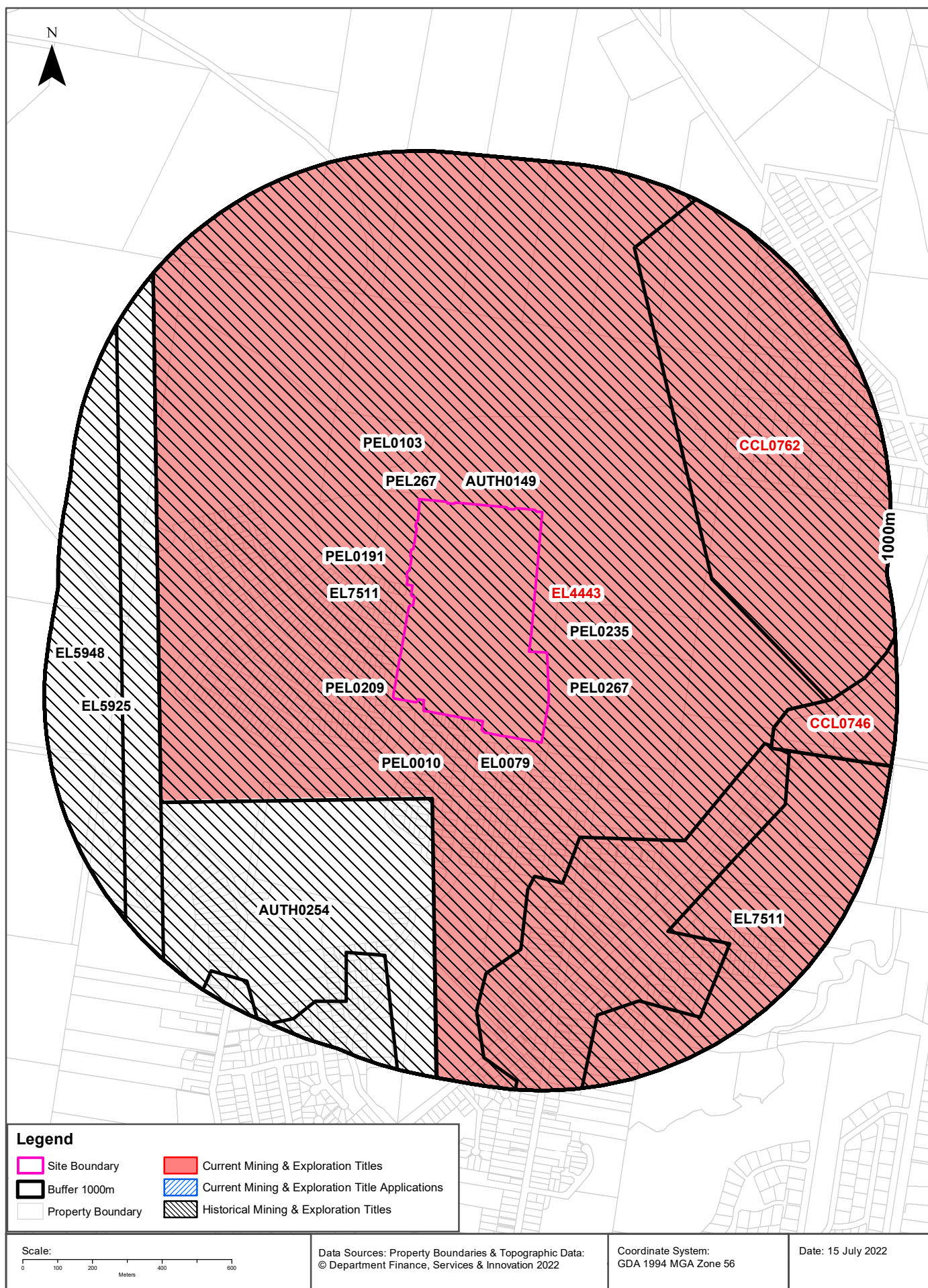
District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

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

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Mining & Exploration Titles

35 McCullough Street, Cooranbong, NSW 2265



Mining

35 McCullough Street, Cooranbong, NSW 2265

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
EL4443	CENTENNIAL MANDALONG PTY LIMITED	23/10/1992	23/10/2017	Renewal Sought	EXPLORING	COAL	Group 9	0m	On-site
CCL0762	CENTENNIAL MANDALONG PTY LIMITED	16/09/1991	13/10/2022	13 Apr 2013	MINING	COAL	Coal, Petroleum	430m	North East
CCL0746	CENTENNIAL NEWSTAN PTY LIMITED	16/05/1990	31/12/2028	05 Aug 2010	MINING	COAL	Coal, Petroleum	651m	East

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

Mining

35 McCullough Street, Cooranbong, NSW 2265

Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
EL0079	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	01 Feb 1967	01 Feb 1968	MINERALS		0m	On-site
PEL267	AGL UPSTREAM INVESTMENTS PTY LIMITED			MINERALS		0m	On-site
PEL0209	EARTH RESOURCES AUSTRALIA PTY LTD			PETROLEUM	Petroleum	0m	On-site
PEL0235	EASTMET LTD	17/04/1980		PETROLEUM	Petroleum	0m	On-site
PEL0103	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
PEL0010	AUSTRALIAN OIL AND GAS CORPORATION LTD, UNION OIL DEVELOPMENT CORP., KERN COUNTY LAND CO.			PETROLEUM	Petroleum	0m	On-site
EL7511	CENTENNIAL FASSIFERN PTY LTD	07 Apr 2010	07 Apr 2013	MINERALS	Geothermal	0m	On-site
PEL0267	SYDNEY OIL CO (NSW) PTY LTD, MANVANE PTY LTD AUSTRALIA NL, BASE RESOURCES LTD, SEAHAWK OIL AUSTRALIA NL, READING & BATES	20/01/1984	6/07/2015	PETROLEUM	Petroleum	0m	On-site
PEL0191	NORTHWEST OIL AND MINERALS CO NL			PETROLEUM	Petroleum	0m	On-site
AUTH0149	THE ELECTRICITY COMMISSION OF NSW (TRADING AS PACIFIC POWER)	03 Feb 1979	14 Feb 1992	COAL	Coal	0m	On-site
AUTH0254	NSW DEPARTMENT OF MINERAL RESOURCES	15 Jan 1981	15 Jan 1985	COAL	Coal	241m	South West
EL5925	GODS GOLDEN CHI PTY LIMITED	01 Mar 2002	27 May 2002	MINERALS	Au	670m	West
EL5948	GODS GOLDEN CHI PTY LIMITED	27 May 2002	01 Jul 2005	MINERALS	Au	777m	West

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

State Environmental Planning Policy

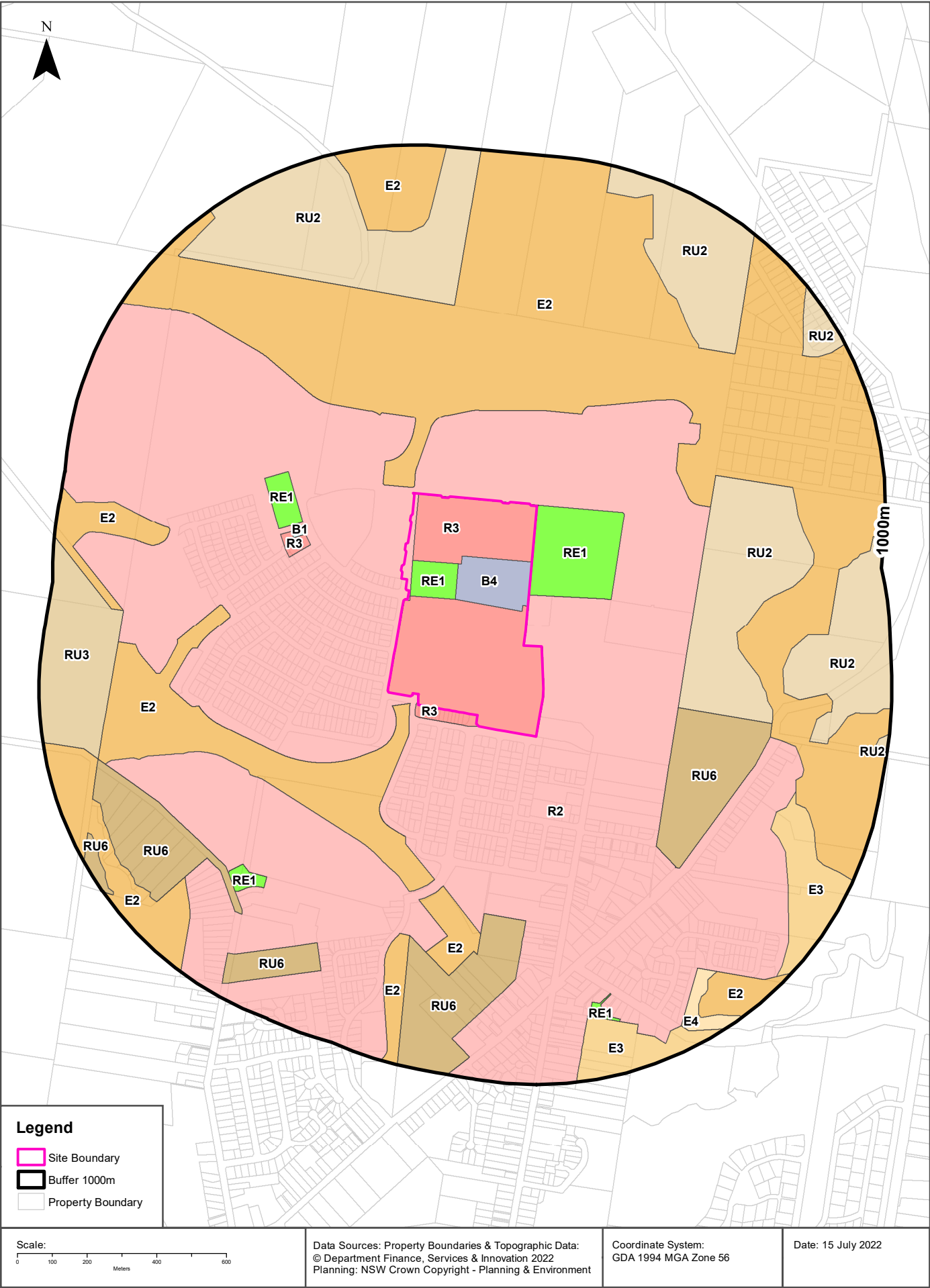
35 McCullough Street, Cooranbong, NSW 2265

State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

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

State Environment Planning Policy Data Source: NSW Crown Copyright - Planning & Environment
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Environmental Planning Instrument

35 McCullough Street, Cooranbong, NSW 2265

Land Zoning

What EPI Land Zones exist within the dataset buffer?

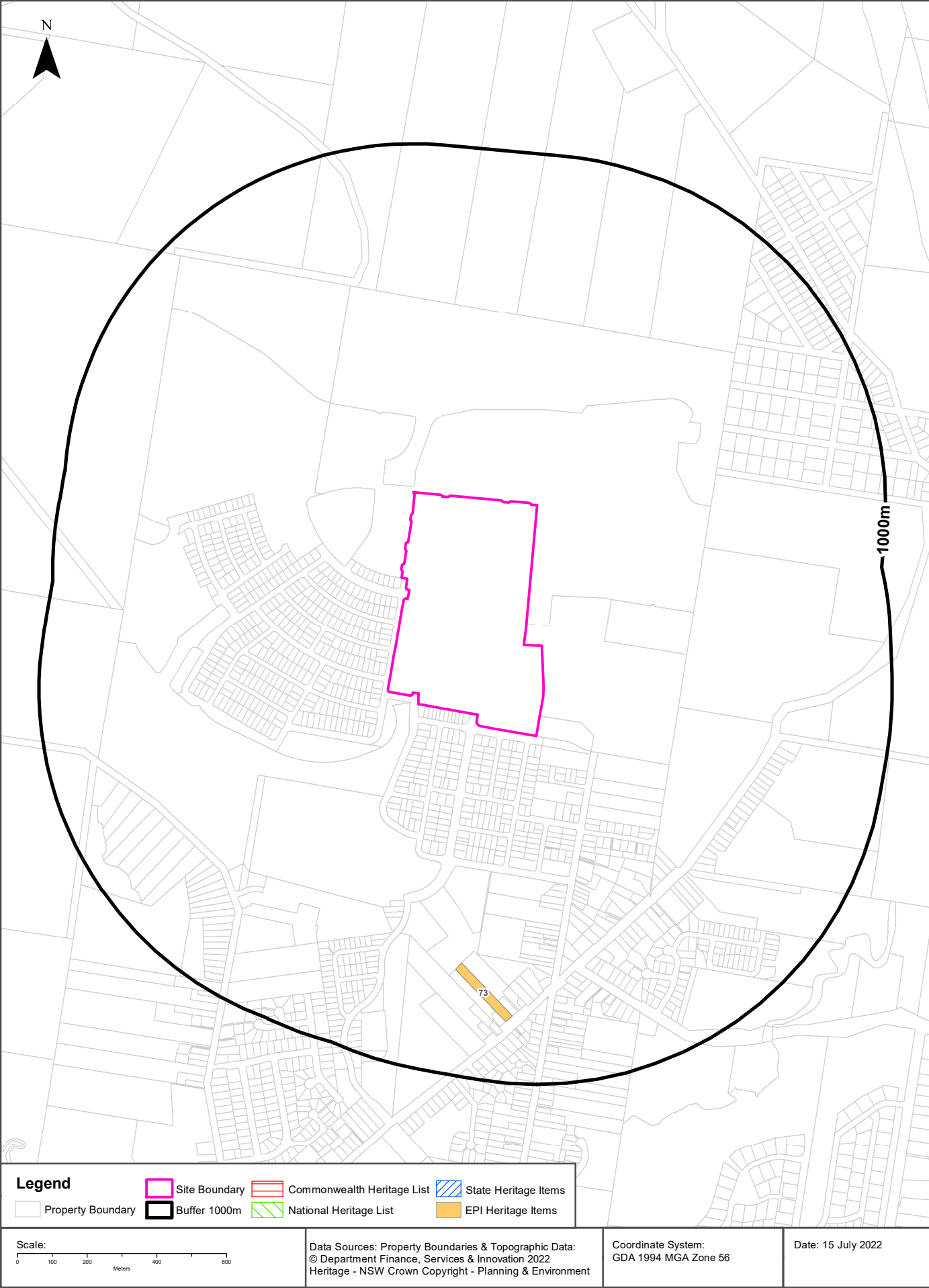
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B4	Mixed Use		Lake Macquarie Local Environmental Plan 2014	16/07/2021	16/07/2021	16/07/2021	Amendment No 41	0m	On-site
R3	Medium Density Residential		Lake Macquarie Local Environmental Plan 2014	16/07/2021	16/07/2021	16/07/2021	Amendment No 41	0m	On-site
RE1	Public Recreation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		0m	On-site
R2	Low Density Residential		Lake Macquarie Local Environmental Plan 2014	16/07/2021	16/07/2021	16/07/2021	Amendment No 41	0m	On-site
R3	Medium Density Residential		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		0m	On-site
RE1	Public Recreation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		0m	North East
E2	Environmental Conservation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		17m	North East
E2	Environmental Conservation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		20m	South West
R3	Medium Density Residential		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		271m	West
B1	Neighbourhood Centre		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		289m	North West
RE1	Public Recreation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		303m	North West
RU6	Transition		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		386m	South East
RU2	Rural Landscape		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		387m	East
E2	Environmental Conservation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		469m	South
RU6	Transition		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		526m	South
RU2	Rural Landscape		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		549m	North
E2	Environmental Conservation		Lake Macquarie Local Environmental Plan 2014	16/07/2021	16/07/2021	16/07/2021	Amendment No 41	632m	South
RE1	Public Recreation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		635m	South West
RU2	Rural Landscape		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		648m	North East
RU6	Transition		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		684m	South West
RU2	Rural Landscape		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		686m	East
E3	Environmental Management		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		721m	South East
RU6	Transition		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		742m	South West
RE1	Public Recreation		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		767m	South
RU3	Forestry		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		786m	West
E2	Environmental Conservation		Lake Macquarie Local Environmental Plan 2014	08/05/2015	08/05/2015	16/07/2021	Amendment No 5	789m	South West
E4	Environmental Living		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		809m	South East
E3	Environmental Management		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		814m	South

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RU2	Rural Landscape		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		874m	North East
RU6	Transition		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		945m	South West
RU2	Rural Landscape		Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021		956m	East

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Heritage Items

35 McCullough Street, Cooranbong, NSW 2265



Heritage

35 McCullough Street, Cooranbong, NSW 2265

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
N/A	No records in buffer							

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

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

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
73	Cottage	Item - General	Local	Lake Macquarie Local Environmental Plan 2014	12/09/2014	10/10/2014	16/07/2021	679m	South

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Natural Hazards

35 McCullough Street, Cooranbong, NSW 2265

Bush Fire Prone Land

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

Bush Fire Prone Land Category	Distance	Direction
Vegetation Category 1	0m	On-site
Vegetation Category 3	0m	On-site
Vegetation Buffer	0m	On-site
Vegetation Category 2	253m	North West

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

35 McCullough Street, Cooranbong, NSW 2265



Ecological Constraints

35 McCullough Street, Cooranbong, NSW 2265

Lower Hunter and Central Coast Regional Vegetation Survey

What vegetation from the Lower Hunter and Central Coast Regional Survey exists within the dataset buffer?

Map Id	Unit Desc	Canopy Code	Canopy Cover	Species	Distance	Direction
31	Coastal Plains Scribbly Gum Woodland	OW	Very Sparse (Open Woodland) 10-20% cover	E. haemostoma / C. gummifera / E. capitellata / A. inopina	0m	On-site
42	Riparian Melaleuca Swamp Woodland	OW	Very Sparse (Open Woodland) 10-20% cover	Melaleuca sieberi / E. robusta	0m	On-site
31	Coastal Plains Scribbly Gum Woodland	OF	Mid Dense (Open Forest) 50-<100% cover	E. haemostoma / C. gummifera / E. capitellata / A. inopina	0m	On-site
30	Coastal Plains Smooth-barked Apple Woodland	OF	Mid Dense (Open Forest) 50-<100% cover	A. costata / C. gummifera / E. capitellata / E. umbra	0m	On-site
30	Coastal Plains Smooth-barked Apple Woodland	OW	Very Sparse (Open Woodland) 10-20% cover	A. costata / C. gummifera / E. capitellata / E. umbra	0m	On-site
42	Riparian Melaleuca Swamp Woodland	OF	Mid Dense (Open Forest) 50-<100% cover	Melaleuca sieberi / E. robusta	202m	East
30	Coastal Plains Smooth-barked Apple Woodland	WO	Sparse (Woodland) 20-<50% cover	A. costata / C. gummifera / E. capitellata / E. umbra	492m	East
31	Coastal Plains Scribbly Gum Woodland	WO	Sparse (Woodland) 20-<50% cover	E. haemostoma / C. gummifera / E. capitellata / A. inopina	493m	North East
42	Riparian Melaleuca Swamp Woodland	WO	Sparse (Woodland) 20-<50% cover	Melaleuca sieberi / E. robusta	527m	East
30	Coastal Plains Smooth-barked Apple Woodland	B	Bushland - Extensive areas of native vegetation, may include Woodland, Open Woodland, Closed Forest etc.	A. costata / C. gummifera / E. capitellata / E. umbra	743m	South West
9	Coastal Ranges Open Forest	OF	Mid Dense (Open Forest) 50-<100% cover	S. glomulifera / E. pilularis / A. foribunda / E. deanei / E. saligna	799m	West
42	Riparian Melaleuca Swamp Woodland	B	Bushland - Extensive areas of native vegetation, may include Woodland, Open Woodland, Closed Forest etc.	Melaleuca sieberi / E. robusta	840m	South West
5	Alluvial Tall Moist Forest	OF	Mid Dense (Open Forest) 50-<100% cover	E. saligna / S. glomulifera / Glochidion ferdinandi	855m	West
5	Alluvial Tall Moist Forest	B	Bushland - Extensive areas of native vegetation, may include Woodland, Open Woodland, Closed Forest etc.	E. saligna / S. glomulifera / Glochidion ferdinandi	863m	South West
33	Coastal Sand Apple - Blackbutt orest	OF	Mid Dense (Open Forest) 50-<100% cover	A. costata / E. pilularis / Banksia serrata	999m	West

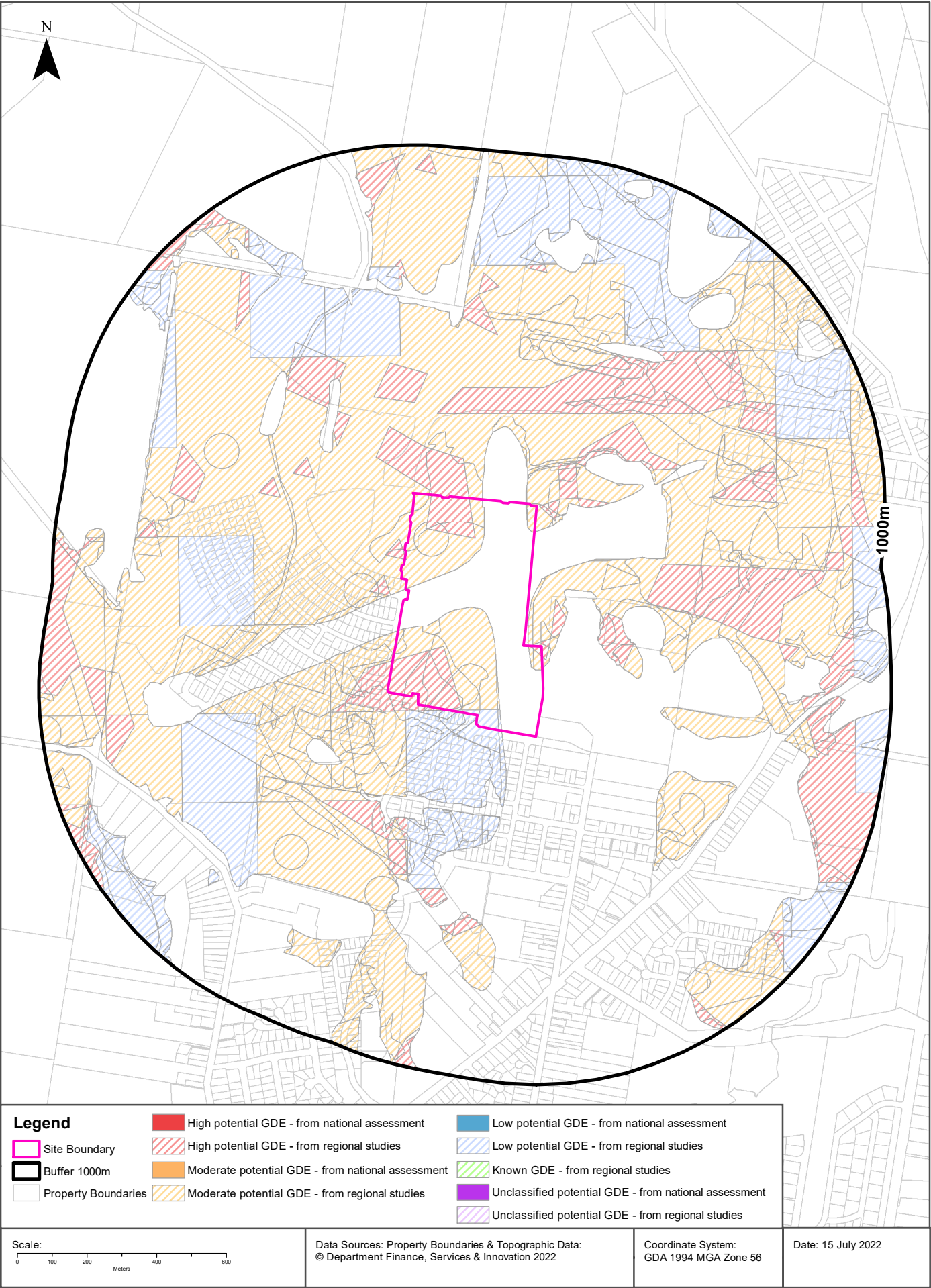
Lower Hunter and Central Coast Regional Vegetation Survey: NSW Office of Environment and Heritage

Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

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

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



Ecological Constraints

35 McCullough Street, Cooranbong, NSW 2265

Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	Moderate potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	Low potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	High potential GDE - from regional studies	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	Low potential GDE - from regional studies	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		18m	South
Terrestrial	Moderate potential GDE - from regional studies	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		41m	South West
Terrestrial	Moderate potential GDE - from regional studies	Undulating to low hilly country on weak rocks, with alluvial and sandy littoral plains.	Vegetation		108m	South West
Terrestrial	Low potential GDE - from regional studies	Undulating to low hilly country on weak rocks, with alluvial and sandy littoral plains.	Vegetation		626m	North

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

35 McCullough Street, Cooranbong, NSW 2265



Ecological Constraints

35 McCullough Street, Cooranbong, NSW 2265

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	2	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	10	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	7	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	5	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	3	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	8	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	1	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	6	Deeply dissected sandstone plateaus.	Vegetation		0m	On-site
Terrestrial	4	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		18m	South
Terrestrial	6	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		41m	South West
Terrestrial	4	Deeply dissected sandstone plateaus.	Vegetation		51m	North West
Terrestrial	8	Undulating to low hilly country on weak rocks, with alluvial and sandy littoral plains.	Vegetation		108m	South West
Terrestrial	10	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		285m	East
Terrestrial	7	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		325m	South
Terrestrial	7	Undulating to low hilly country on weak rocks, with alluvial and sandy littoral plains.	Vegetation		366m	West
Terrestrial	8	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		621m	West
Terrestrial	5	Undulating to low hilly country on weak rocks, with alluvial and sandy littoral plains.	Vegetation		626m	North
Terrestrial	5	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		761m	North West
Terrestrial	6	Undulating to low hilly country on weak rocks, with alluvial and sandy littoral plains.	Vegetation		761m	North West
Terrestrial	10	Undulating to low hilly country on weak rocks, with alluvial and sandy littoral plains.	Vegetation		982m	North East

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology

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Ecological Constraints

35 McCullough Street, Cooranbong, NSW 2265

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>Heleioporus australiacus</i>	Giant Burrowing Frog	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Amphibia	<i>Litoria aurea</i>	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Amphibia	<i>Litoria brevipalmata</i>	Green-thighed Frog	Vulnerable	Not Sensitive	Not Listed	
Animalia	Amphibia	<i>Litoria littlejohni</i>	Littlejohn's Tree Frog	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Amphibia	<i>Mixophyes balbus</i>	Stuttering Frog	Endangered	Category 2	Vulnerable	
Animalia	Amphibia	<i>Mixophyes iteratus</i>	Giant Barred Frog	Endangered	Category 2	Endangered	
Animalia	Amphibia	<i>Pseudophryne australis</i>	Red-crowned Toadlet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	<i>Actitis hypoleucos</i>	Common Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Anthochaera phrygia</i>	Regent Honeyeater	Critically Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	<i>Apus pacificus</i>	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Ardenna grisea</i>	Sooty 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>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 canutus</i>	Red Knot	Not Listed	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Calidris ferruginea</i>	Curlew Sandpiper	Endangered	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Calidris ruficollis</i>	Red-necked Stint	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Callocephalon fimbriatum</i>	Gang-gang Cockatoo	Vulnerable	Category 3	Endangered	
Animalia	Aves	<i>Calyptorhynchus lathamii</i>	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	<i>Charadrius veredus</i>	Oriental Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Chthonicola sagittata</i>	Speckled Warbler	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	<i>Climacteris picumnus victoriae</i>	Brown Treecreeper (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	<i>Cuculus optatus</i>	Oriental Cuckoo	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Daphoenositta chrysoptera</i>	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Ephippiorhynchus asiaticus	Black-necked Stork	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Erythroriorchis radiatus	Red Goshawk	Critically Endangered	Category 2	Vulnerable	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	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	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Category 3	Critically Endangered	
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Vulnerable	Category 3	Not Listed	
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 phaeopus	Whimbrel	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Onychoprion anaethetus	Bridled Tern	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Onychoprion fuscata	Sooty Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Oxyura australis	Blue-billed Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
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	Pomatostomus temporalis	Grey-crowned Babbler (eastern subspecies)	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	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Sterna hirundo	Common Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Thalasseeus bergii	Crested Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Tringa brevipes	Grey-tailed Tattler	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; 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	Turnix maculosus	Red-backed Button-quail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto tenebricosa	Sooty Owl	Vulnerable	Category 3	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Kerivoula papuensis	Golden-tipped Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Macropus parma	Parma Wallaby	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	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petauroides volans	Greater Glider	Not Listed	Not Sensitive	Vulnerable	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petrogale penicillata	Brush-tailed Rock-wallaby	Endangered	Not Sensitive	Vulnerable	
Animalia	Mammalia	Phascogale tapoatafa	Brush-tailed Phascogale	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Potorous tridactylus	Long-nosed Potoroo	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Pseudomys gracilicaudatus	Eastern Chestnut Mouse	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Pseudomys novaehollandiae	New Holland Mouse	Not Listed	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	Vespadelus troungtoni	Eastern Cave Bat	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	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Reptilia	Hoplocephalus stephensii	Stephens' Banded Snake	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Angophora inopina	Charmhaven Apple	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Asperula asthenes	Trailing Woodruff	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Caesia parviflora var. minor	Small Pale Grass-lily	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Caladenia tessellata	Thick Lip Spider Orchid	Endangered	Category 2	Vulnerable	
Plantae	Flora	Callistemon linearifolius	Netted Bottle Brush	Vulnerable	Category 3	Not Listed	
Plantae	Flora	Corunastylis sp. Charmhaven (NSW896673)		Critically Endangered	Category 2	Critically Endangered	
Plantae	Flora	Corybas downlingii	Red Helmet Orchid	Endangered	Category 2	Not Listed	
Plantae	Flora	Cryptostylis hunteriana	Leafless Tongue Orchid	Vulnerable	Category 2	Vulnerable	
Plantae	Flora	Dillwynia tenuifolia		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus parramattensis subsp. parramattensis		Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Genoplesium insigne	Variable Midge Orchid	Critically Endangered	Category 2	Critically Endangered	
Plantae	Flora	Grevillea parviflora subsp. parviflora	Small-flower Grevillea	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Isotoma fluviatilis subsp. fluviatilis		Not Listed	Not Sensitive	Extinct	
Plantae	Flora	Macadamia tetraphylla	Rough-shelled Bush Nut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Maundia triglochinos		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Melaleuca biconvexa	Biconvex Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Persicaria elatior	Tall Knotweed	Vulnerable	Not Sensitive	Vulnerable	
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	Rutidosia heterogama	Heath Wrinklewort	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Tetradlea juncea	Black-eyed Susan	Vulnerable	Not Sensitive	Vulnerable	

Data does not include NSW category 1 sensitive species.

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

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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