



## Preliminary Site Investigation

# Proposed Residential Development 157 Arakoon Rd, South West Rocks

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Client: Sam & Margaret Walls



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**Project Details**

<b>Site Address:</b>	157 Arakoon Rd, South West Rocks
<b>Project Type:</b>	Proposed Residential Subdivision

Project no	Report type	Report no
G0840	PSI	001

**Report Register**

Revision Number	Reported By	Reviewed By	Date
Rev0	JD	GR	17/01/2024
Rev1	JD	GR	29/01/2024

We confirm that the following report has been produced for Sam & Margaret Walls, based on the described methods and conditions within.

For and on behalf of Hunter Geotechnical Services,



**Jake Duck**

*Environmental Services Manager*

Bachelor of Environmental Science and  
Management



## Executive Summary

Hunter Geotechnical Services (HGS) was engaged by Sam & Margaret Walls to undertake a Preliminary Site Investigation (PSI) with limited soil sampling at the Site located at 157 Arakoon Rd, South West Rocks (herein after referred to as “the Site”).

The Site is currently proposed to undergo redevelopment to incorporate a low density residential subdivision. The PSI is required for due diligence purposes as part of the development application.

This PSI includes the following elements:

- Review of historical aerial images of the Site and surrounding area
- Compilation of a historical title summary
- Review of a Section 10.7 Planning Certificate
- Review of publicly available environmental databases and legislative instruments
- Site inspection and interview with knowledgeable Site representative (if available)
- A Conceptual Site Model (CSM) with assessment of contamination and source-pathway-receptor linkages
- Recommendations for further investigation, any management requirements and/or any ongoing management, monitoring or remedial works that may be required

Limited soil sampling was also conducted to supplement the desktop assessment for contamination purposes. Soil sampling consisted of:

- Collection of twelve (12) primary samples analysed for contaminants of potential concern (CoPC)
- Collection of one (1) duplicate sample for Quality Assurance / Quality Control (QA/QC) purposes

The detailed desktop review of available information and thorough Site inspection including limited shallow soil investigation have enabled the development of a CSM allowing assessment of potential health and environmental issues relating to the Site. Key findings were:

1. Potential contamination sources at the Site are limited based on historical land use
2. Visible signs of gross contamination were not observed during Site inspection and intrusive works
3. Contamination in shallow soils above the adopted site assessment criteria (SAC) were not identified at any of the sampling locations

In summary, this assessment supports the proposed rezoning from R5 Large Lot Residential to R1 General Residential. Based on the desktop study and limited intrusive sampling conducted at the Site, no indication of gross contamination has been identified which would restrict the Site of redevelopment under the proposed residential land use. HGS does not consider further investigation necessary in context of the proposed development

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## **1 Introduction**

### **1.1 Background**

Hunter Geotechnical Services (HGS) was engaged by Sam & Margaret Walls to undertake a PSI with limited soil sampling at 157 Arakoon Rd, South West Rocks (herein after referred to as “the Site”).

The Site is currently proposed to undergo redevelopment to incorporate a low density residential subdivision. The PSI required for due diligence purposes as part of the development application.

A Site Plan is presented as Figure 1 of **Annex A**.

### **1.2 Objectives**

The objectives of this PSI were to investigate potential contaminant sources, pathways and receptors in relation to the Site as well as inform preliminary consideration of potential risks to human health and/or the environment within the context of the most sensitive potential land use. For the purpose of the investigation, HIL-A has been adopted as the most sensitive land use (i.e. Low-density residential land use).

This report has been prepared in general accordance with provisions for a PSI as defined within the NSW EPA (2022) Contaminated Land Guidelines: Sampling design part 1 – application (NSW EPA, 2022), the NSW EPA (2020) Guidelines for Consultants Reporting on Contaminated Sites (NSW EPA, 2020) and National Environment Protection (Assessment of Site Contamination) Measure (National Environmental Protection Council (NEPC), 2013).

All information collected informed the development of the CSM which provides a representation of potential sources of contamination and evaluate the CoPC; areas of potential contamination; potential human and ecological receptors; and potentially affected media (such as soil and groundwater).

### **1.3 Scope of Works**

#### **1.3.1 Preliminary Site Investigation**

This PSI includes the following elements:

- Review of historical aerial images of the Site and surrounding area
- Compilation of a historical title summary
- Review of a Section 10.7 Planning Certificate
- Review of publicly available environmental databases and legislative instruments
- Site inspection and interview with knowledgeable Site representative (if available)
- A CSM with assessment of source-pathway-receptor linkages
- Recommendations for further investigation, any management requirements and/or any ongoing management, monitoring or remedial works that may be required

### 1.3.2 Limited Soil Investigation

Limited soil sampling was conducted to supplement the desktop assessment for contamination purposes. Soil sampling consisted of:

- Collection of twelve (12) primary samples analysed for contaminants of potential concern (CoPC)
- Collection of one (1) duplicate sample for Quality Assurance / Quality Control (QA/QC) purposes

Preparation of this report includes recommendations for further investigation, any management requirements and/or any ongoing management, monitoring or remedial works that may be required.

## 2 Site Description

### 2.1 Site & Lot Identification

The Site is located at 157 Arakoon Rd, South West Rocks, legally identified as Lot 9 on Deposited Plan (DP) 1219664. The Site forms an irregular shaped block of approximately 24 Hectares (ha).

A summary of Site information is provided in **Table 2.1** below.

**Table 2.1** - Site identification

Item	Description
Current Site Owner	Margaret Elaine Walls
Site Address	157 Arakoon Rd, South West Rocks
Current Zoning	R5 Large Lot Residential
Legal Description	Lot 9 on DP 1219664
Local Government Authority	Kempsey Shire Council
Site Area	Approximately 24 ha
Elevation	2-15m Above Sea Level (ASL)
Geographical Location (GDA94-MGA56)	505061.15 E 6580902.99 N

Review of Kempsey Local Environmental Plan (LEP) 2013 together with the Planning Certificate under Section 10.7 Part 2 and 5 of the Environmental Planning and Assessment Act 1979 (attached as **Annex B**) provides the following information:

1. The Site is not affected by heritage items
2. The Site and/or adjacent lots are not affected by land reserved for acquisition
3. The Site is not affected by environmentally sensitive land (conservation area) or critical habitat
4. The Site and/or adjacent lots are not subject to flood planning constraints

5. There are no prescribed matters under section 59(2) of the Contaminated Land Management Act 1997 to be disclosed

## 2.2 Surrounding Land Use

The Site is located predominantly within a residential area of South West Rocks, NSW. Review of satellite imagery identified surrounding land uses are summarised in **Table 2.2** below.

**Table 2.2** - Summary of surrounding land use

Direction	Land Use	Distance
North	Residential	20m
East	Residential	Adjacent
South	Residential	Adjacent
West	Residential	50m

## 3 Background Data Review & Database Searches

### 3.1 Summary of Ownership & Site Use

Historical title searches completed for the Site provide a summary of ownership as described in **Table 3.1** below.

**Table 3.1** - Summary of site ownership

Date of Acquisition and term held	Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
	<p><b><u>Please Note: -</u></b></p> <p>The below Crown Tenure information I was able to obtain from Crown Plan 3515-666 and Trove. A copy of the Tenure Card for, Additional Conditional Purchase 1928/15 Kempsey, Special Lease 1946/38 Kempsey and Conditional Purpose 1952/8 Kempsey is required to confirm ownership between 1928 and 1969.</p>	
17.08.1928	<p>John Henry Dennis</p> <p>- Forfeited vide Government Gazette published 25.08.1939 Folio 4238</p>	<p>Crown Tenure Additional Conditional Purchase 1928/15 Kempsey</p>

Date of Acquisition and term held	Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
04.02.1949	Revoked - Crown Tenure Additional Conditional Purchase 1928/15 Kempsey	
05.04.1949	<p>Frederick Blanch</p> <ul style="list-style-type: none"> <li>- Purposes: Bee Farm</li> <li>- Term: 05.04.1949 to 31.12.1962</li> </ul>	<p>Crown Tenure Special Lease 1946/38 Kempsey</p> <p>(Government Gazette published 13.05.1949 Folios 1377 &amp; 1378)</p>
Unknown	Ivan H Meehan	<p>Crown Tenure Special Lease 1946/38 Kempsey</p> <p>Now</p> <p>Crown Tenure Conditional Purpose 1952/8 Kempsey</p>
Unknown	<p>Arthur Louis Sharpe</p> <p>Eva Phyllis Sharpe (Married Woman)</p>	Crown Tenure Conditional Purpose 1952/8 Kempsey
15.08.1969 (1969 to 1971)	<p>Arthur Louis Sharpe</p> <p>Eva Phyllis Sharpe (Married Woman)</p>	<p>Volume 11111 Folio 148</p> <p>(Crown Grant)</p>
10.06.1971 (1971 to 1971)	William Barry Walls (Company Director)	Volume 11111 Folio 148
23.12.1971 (1971 to 1986)	Waldel Pty. Limited	<p>Volume 11111 Folio 148</p> <p>Now</p>

Date of Acquisition and term held	Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
		Volume 12462 Folio 177

**As regards to the part numbered 2 on attached Cadastral Records Enquiry Report: -**

Date of Acquisition and term held	Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
	<b><u>Please Note: -</u></b> This parcel of land was formerly a road that was in existence from prior to 1900.	
28.09.1973	Notification of Proposed Closing of Roads	Government Gazette published 28.09.1973 Folios 4309 & 4310
21.12.1973	Notification of Closing of Roads	Government Gazette published 21.12.1973 Folio 5534
22.04.1974 (1974 to 1986)	Waldel Pty. Limited	Volume 12406 Folio 201 (Crown Grant)

**Continued as to the whole: -**

Date of Acquisition and term held	Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
02.07.1986 (1986 to Date)	# Margaret Elaine Walls	Volume 12462 Folio 177 & Volume 12406 Folio 201 Then 1/246579 & 2/560726 Then 1/246579 & 2/645213 Then



Date of Acquisition and term held	Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
		22/1071657 2/1194600 6/1188339 Now 9/1219664

Historical title documents sourced as part of this assessment are presented as **Annex C**.

### 3.2 Historical Photographs

Historical aerials and satellite images dating 1942-2024 provide a summary of development at the Site and within the surrounding area. Historical aerials are presented as part of **Annex D** and a summary is presented in **Table 3.2** below.

**Table 3.2** - Historical aerial review

Date	Summary
1942	Low resolution black and white aerial. At the time the site consists of natural vegetation cover, consisting of grassland and trees.
1956	Low resolution black and white aerial, the site remains mostly consistent with the previous aerial.
1967	Low resolution black and white aerial, the site remains mostly consistent with the previous aerial.
1975	Low resolution black and white aerial, the site remains mostly consistent with the previous aerial.
1980	Low resolution black and white aerial, the site remains mostly consistent with the previous aerial.
1991	Low resolution coloured aerial, the site remains mostly consistent with the previous aerial with the inclusion of rural residential structures to the East of site.
1997	Low resolution coloured aerial, the site remains mostly consistent with the previous aerial with the inclusion of more rural residential structures to the Northeast of site.
2003	Low resolution coloured aerial, the site remains mostly consistent with the previous aerial with the inclusion of more rural residential structures to the North and Southwest of site.

Date	Summary
2014	High resolution coloured aerial, the site remains mostly consistent with the previous aerial with the inclusion of low to medium density residential areas to the West of site.
2024	High resolution coloured aerial, the site remains mostly consistent with the previous aerial with the inclusion of low to medium density residential areas to the North of site.

### 3.3 Topography & Hydrology

Topography of the area is characterised by undulating low hills and rises and gently inclined side slopes. Review of Google Earth Pro (2024) indicates the Site slightly slopes from 13-14m Above Sea Level (ASL) to 2-3m ASL in the central drainage channel at the Site. The closest surface water body identified is Spencers Creek located approximately 1.1km to the southwest of Site.

#### 3.3.1 Lithology & Geology

Review of the NSW Office of Environment and Heritage soil landscape database– indicates that the Site falls within the Korogoro, Clybucca and Big Smokey (variant b) Soil Landscapes.

Review of the NSW Department of Industry, Resources & Energy database; Geological Sheet indicates that the Site lies on the Coastal deposits – back barrier flat facies, bedrock mantling dune facies, and alluvial floodplain deposits. Typical lithology includes Back barrier muddy swale swamps and closed depressions overlying Pleistocene sands. Which includes Sandy soils with high erodibility, high permeability and very low available water holding capacity

#### 3.3.2 Hydrogeology

Review of the NSW Department of Primary Industries – Office of Water / Water Administration Ministerial Corporation database identified (12) registered bores within 500m of the Site. Bore details are presented in **Table 3.3** below.

**Table 3.3** - Groundwater bore details

NSW Bore ID	Bore Type	Bore Depth (m)	SWL (mbgl)	Distance	Direction
GW071775	Stock and Domestic	33.5	4.5	0m	On-site
GW305146	Monitoring			124m	South
GW302585	Water Supply	58	12	164m	East
GW070073	Water Supply	40	2.3	189m	Northeast
GW302286	Water Supply	26	13.6	252m	East
GW308027	Stock and Domestic	48		262m	Northeast

NSW Bore ID	Bore Type	Bore Depth (m)	SWL (mbgl)	Distance	Direction
GW300096	Unknown	39	8.5	268m	North
GW301683	Water Supply	24	3	322m	Northeast
GW301014	Water Supply	40		338m	East
GW304457	Water Supply	60		338m	East
GW304332	Water Supply	24	7	434m	East
GW304434	Water Supply	48	8.5	492m	East

Groundwater data for the identified bores were not available for review at the time of this report.

### 3.4 Chemical Storage & Waste Production / Disposal

The results of the SafeWork Dangerous Goods Search were not considered necessary due to the historical and current land use of the Site.

### 3.5 Environmental Incident History / Register

Sources to inform consideration of potential environment incidents at the Site were not identified as part of this investigation.

### 3.6 Onsite Database Searches

#### 3.6.1 Current & Former Environment Protection Licences

A review of the licenced activities under the Protection of the Environment Operations Act 1997 was completed on the 3<sup>rd</sup> of December 2024.

A number of NSW EPA licensed activities have been conducted within a 1km radius of the Site. **Table 3.4** and **Table 3.5** below list both current and former licensed activities respectively and the type of licensed activity conducted.

**Table 3.4** - Current licenced EPA activities

Licence Number	Organisation	Activity	Approx. Distance from Site (m)	Direction
2497	Kempsey Shire Council	Sewage Treatment Processing By Small Plants	491	North

**Table 3.5** - Delicensed and Former Licenced EPA Activities

Licence Number	Organisation	Activity	Approx. Distance From Site (M)	Direction
4001	Kempsey Shire Council	Other Activities - Application Of Herbicide(S)	20	Northeast
4653	Luhrmann Environment Management Pty Ltd	Other Activities / Non Scheduled Activity - Application Of Herbicides	20	Northeast
4838	Robert Orchard	Other Activities / Non Scheduled Activity - Application Of Herbicides	20	Northeast
6630	Sydney Weed & Pest Management Pty Ltd	Other Activities / Non Scheduled Activity - Application Of Herbicides	20	Northeast
5632	Nu-Mix Concrete Kempsey Pty Ltd	Concrete Works	861	West

### 3.6.2 Heritage

Review of the Heritage Data Source - Planning & Environment, indicates the Site is not affected by heritage items. Similarly, there are no registered heritage items within 1km of the Site.

### 3.6.3 Contaminated Land Records

A review of the NSW EPA Contaminated Land Record of Notices was completed on 3<sup>rd</sup> of December 2024. This review identified that the Site is not subject to regulation by the NSW EPA under Section 60 of the *Contaminated Land Management (CLM) Act 1997* and similarly that there are no Sites within 1km of the Site subject to regulation under the *CLM Act 1997*.

A review of the NSW EPA List of Contaminated Sites was completed 3<sup>rd</sup> of December 2024. This review identified that the Site has not been notified to the EPA as a contaminated Site and similarly that there are no Sites within 1km of the Site that have been notified. The findings of these reviews indicate that the Site is unlikely to be impacted by contamination known to the EPA.

### 3.6.4 Naturally Occurring Asbestos

NSW Department of Industry, Resources & Energy (2024) identifies that the Site does not fall in an area known to contain naturally occurring asbestos.

### 3.6.5 Acid Sulfate Soils

Review of the ePlanning Spatial Viewer online database (2020) identifies the Site as being a review of the eSPADE online database (2024) identifies the Site as being within an area of low probability acid sulfate occurrence at depths greater than 3m below ground level.

## 4 Data Quality Objectives

Data quality objectives (DQOs) have been developed to define the type and quality of data required to achieve the project objectives outlined in **Section 1.2**. The DQOs have been prepared in line with the DQO process outlined in the NEPM (2013) which define minimum data requirements and quality control procedures. The proposed application of the seven-step DQO approach to this project is described in **Table 4.1**.

The DQO process is validated in part by QA/QC assessment. The QA/QC assessment for this project is summarized in **Section 7** of the report.

**Table 4.1 - Data Quality Objectives**

Step	Input
<b>1. State the problem</b>	The historic land use of the Site includes has potentially contaminated soil presenting a risk to human health and/or the environment. Further site investigation is required to assess contamination at the site and evaluate suitability of the site for the proposed redevelopment.
<b>2. Identify the Decisions</b>	The objective of this investigation is to determine if the historic land uses at the Site or surrounding area have resulted in contamination at levels that may impact the proposed development. The following decisions need to be addressed: <ul style="list-style-type: none"> <li>• Is there a potential for soil contamination to be present at the Site which may pose risks to human health and environment?</li> <li>• Is remediation or management actions required to render the Site suitable for the proposed redevelopment?</li> </ul>
<b>3. Identify Inputs into the Decision</b>	The primary inputs to make the above decisions are as follows: <ul style="list-style-type: none"> <li>• Have samples been collected in the required areas of the site (the identified AECs)?</li> <li>• Have samples been collected at the required frequencies and adequately represent the conditions on site?</li> <li>• Is the data set adequate to perform statistical analysis, if required (i.e. calculate 95% UCL)</li> <li>• Have samples been analysed for the COPCs as identified?</li> <li>• Have concentrations exceeding the adopted criteria been reported in the samples?</li> <li>• If concentrations exceeding adopted criteria have been reported, will these areas require remediation and/or management?</li> </ul> The informational inputs into the decision area: <ul style="list-style-type: none"> <li>• Field observations;</li> </ul>

Step	Input
	<ul style="list-style-type: none"> <li>• Laboratory results (concentrations of contaminants in soil);</li> <li>• QA/QC documentation and data;</li> <li>• Adopted site assessment criteria; and,</li> <li>• Relevant NSW EPA endorsed Guidelines.</li> </ul> <p>Media subject to sampling and analysis at the Site as part of this investigation consists of soil. Assessment of , groundwater, surface water and/or ground gas are not considered to be required at this stage of the investigation.</p>
<b>4. Study Boundary</b>	<p>The investigation is limited to the Site boundary as presented in <b>Figure 1</b>. The vertical study boundary is up to 2m (maximum depth of testpit before termination or hole collapse due to water inflow).</p> <p>Groundwater inflow was encountered at 1.6-1.8m bgl in TP1, 2, 6 and 10.</p> <p>The temporal boundary will be the date of the fieldwork as conducted.</p>
<b>5. Define the analytical approach</b>	<p>The analytical results will be assessed against screening criteria as outlined in Section 6.2 of this report.</p> <p>Samples will be transported under appropriate chain of custody documentation to NATA accredited laboratories and the Limits of Reporting (LORs) will be below the relevant criteria for each analyte.</p> <p>If the statistical parameters (or aesthetics) exceed the adopted criteria, remediation and validation will be required to render the Site fit for the proposed future land use.</p>
<b>6. Specific Limits on Decision Errors</b>	<p>The null hypothesis (<math>H_0</math>) is that the material is contaminated and exceeds the adopted criteria. The alternative hypothesis (<math>H_A</math>) is that the material is not contaminated above the adopted criteria.</p> <p>Possible decision-making errors would mean:</p> <ul style="list-style-type: none"> <li>• The Site being accepted as suitable for a residential landuse when it is not, thereby potentially risking human health or environmental impacts;</li> <li>• Unnecessary remedial works, disposal of the material offsite, imposing needless financial and resource burdens on the development project.</li> </ul> <p>Acceptable limits on the likelihood of making decision errors:</p> <ul style="list-style-type: none"> <li>• Null hypothesis (<math>H_0</math>): the 95% UCL, and other requirements, are &gt; the action level; and</li> <li>• Alternate hypothesis (<math>H_A</math>): the 95% UCL, and other requirements, are ≤ the action level.</li> </ul> <p>Potential outcomes include Type I and Type II errors:</p> <ul style="list-style-type: none"> <li>• Type I error of determining the Site is acceptable for the proposed land use when it is not (wrongly rejects true <math>H_0</math>);</li> <li>• Type II error of determining the Site is unacceptable for the proposed land use when it is acceptable (wrongly accepts false <math>H_0</math>).</li> </ul>

Step	Input
	To limit the potential for decision errors, a range of quality assurance processes were adopted. A quantitative assessment of the potential for false negatives / false positives and/or under or over recognizing of analytical results was undertaken using the data quality assurance information collected. Data quality was assessed in general in accordance with guidance detailed in Schedule B(3) of the NEPM (2013).
<b>7. Optimise the Design for Obtaining Data</b>	A stratified sampling approach will be adopted, where sampling locations are clustered around the areas of concern and potential migration pathways of CoPCs. Based on Appendix C of NSW EPA (2022) Sampling Design Guidelines Part 1, the number of sampling locations required for an area of 24 ha is 272 on a 20m grid. For the purposes of this investigation, due to the sampling approach adopted and based off previous land use, a total of twelve (12) investigation locations were considered suitable for the purposes of preliminary investigation. The field methods for sample collection, handling, and analysis (at analytical laboratories) are described in the adopted standard operating procedures (SOPs). Contingencies could include collecting additional samples from material that appears significantly different from the reworked fill and conducting additional analyses or keeping on hold at the laboratory for future analyses if required.

## 5 Site Inspection

HGS attended the Site on the 5<sup>th</sup> of December 2024 to consolidate the desktop review described in the sections above. The Site visit included a detailed visual inspection of the Site surface and infrastructure. Key findings are presented below:

- The site spans approximately 23.5 hectares and features gently undulating floodplain terrain with elevations below 10m AHD. A central swale swamp, running south to north, is a key feature, supporting diverse vegetation, including paperbark trees, sedgeland, swamp grasses, and peat soils;
- The site includes a northeasterly plunging ridge spur in the western third, with elevations between 10–20m AHD. Surface slopes generally fall toward a broad drainage line extending to the northern boundary;
- An inert pile of construction waste was identified onsite, no potential asbestos containing material (ACM) was observed within the pile;
- No visual signs of contamination were observed during the inspection.

## 6 Limited Soil Investigation

As stated in **Section 1.3**, a soil investigation was commissioned following desktop review of information. The sampling density and analytical schedule generated as part of this intrusive investigation is only intended to supplement findings from the desktop review of information and is not intended to meet

the minimum requirements of a Detailed Site Investigation (DSI) as outlined within the *NSW EPA Contaminated Land Guidelines - Consultants Reporting on Contaminated Sites (2020)*.

All works were conducted in accordance NEPC (2013) best standard practices and HGS's relevant Standard Operating Procedures (SOPs). Methodologies are outlined in the following sub-sections. Soil Investigation locations are presented in Figure 1 of **Annex A**.

### **6.1.1 Sampling & Analysis**

Limited soil sampling was also conducted to supplement the desktop assessment for contamination purposes. Soil sampling consisted of:

- Collection of twelve (12) primary samples analysed for contaminants of potential concern (CoPC)
- Collection of one (1) duplicate samples for Quality Assurance / Quality Control (QA/QC) purposes

Sample locations were selected using a systematic/judgemental sampling strategy within the proposed development footprint. Sampling locations and CoPC were targeted following the desktop review of historical data pertaining to the Site's historical use.

Testpits were excavated with a 2-tonne excavator with tiger tooth bucket attachment to a depth of up to 3.0m. Samples were collected from the walls of the test pit or directly from the excavator bucket for deeper samples.

Field equipment was decontaminated using a triple-rinse methodology using a phosphate-free detergent (DeCon90) and deionised water between sampling locations.

## **6.2 Adopted Site Assessment Criteria (SAC)**

Tier 1 assessment criteria relevant to the proposed land use have generally been adopted from the NEPM (2013). Specifically, this includes.

1. The CRC CARE (2011) health screening levels (HSLs) for petroleum hydrocarbons at 0 to <1m below ground level in sand/silt/clay, adopted to assess potential vapour risks to human receptors
2. The ASC NEPM (2013) health investigation levels (HILs), adopted to evaluate potential direct contact risks associated with the presence of other CoPC in soil (i.e. metals and PAH)
3. The CRC CARE (2011) assessment criteria for direct contact with petroleum hydrocarbons by future receptors
4. The NEPM (2013) ecological investigation levels (EILs) for inorganics to assess risks to ecological receptors
5. The NEPM (2013) ecological screening levels (ESLs) for coarse soil for hydrocarbon compounds to assess risks to ecological receptors

A summary of SAC adopted along with their associated values are presented in Table 1 and Table 2 of **Annex F**.



### 6.3 Intrusive Investigation Observations

Inspection of Test pit and soil cuttings concluded that the topsoil consisted of silt, sand and clay. Followed by alluvial sands and then residual extremely weathered material. No visual or olfactory evidence of gross contamination were observed within any at any of the investigation locations.

Asbestos Containing Material (ACM) was not found in any of the test pit locations.

Borelogs recorded during the intrusive investigation are provided as **Annex E** and photographic logs are provided as **Annex H**.

### 6.4 Analytical Results

A total of twelve (12) primary samples were submitted for chemical analysis for a range CoPC including:

- Benzene, Toluene, Ethylbenzene Xylenes (BTEX)
- Total Recoverable Hydrocarbons (TRH)
- Polycyclic Aromatic Hydrocarbons (PAH)
- Heavy metals (As - Arsenic, Cd - Cadmium, Cr - Chromium, Cu - Copper, Pb - Lead, Ni - Nickel, Zn - Zinc and Hg – Mercury)
- Organochlorine Pesticides (OCP) – 2 samples only
- Organophosphorus Pesticides (OPP) – 2 samples only
- Polychlorinated Biphenyls (PCB) – 2 samples only

The results of the analysis of the twelve primary soils samples indicate that all analytes were below the Limit of Reporting (LOR) for TRH, BTEX, PAH, OC/OP Pesticides and PCBs. All heavy metals results were below the HIL-A criteria.

Soil analytical results are included in Table 1 and Table 2 of **Annex F**. All samples returned results which were acceptable under the adopted SAC for the proposed low density residential development.

## 7 Analytical Data Quality Assessment

The quality of analytical data presented within this report has been assessed with reference to the following issues:

1. Sampling technique
2. Preservation and storage of samples upon collection and transport to the laboratory
3. Sample holding times
4. Analytical procedures
5. Laboratory limit of reporting (LOR)
6. Laboratory quality assurance (QA) procedures
7. The occurrence of apparently unusual or anomalous results

A review of these items was conducted to assess data in terms of completeness, representativeness, comparability, accuracy and precision. A discussion of the data quality assessment related to the items listed above is provided in the subsections that follow.

---

## 7.1 Sample Collection, Storage, Transport & Analysis

### 7.1.1 General

Samples were collected, stored and transported to the laboratory in accordance with HGS's SOPs which are consistent with guidelines provided in the NEPM (2013). All samples were collected in appropriate containers provided by the laboratory.

### 7.1.2 Holding Times

Laboratory analysis was undertaken within specified holding times in accordance with Schedule B3 of the NEPM (2013) and using NATA accepted analytical procedures.

### 7.1.3 Sample Transport & Storage Temperature

In accordance with Schedule B3 of the NEPM (2013), all samples were chilled during transport to the laboratory and evidence of chilling was recorded on the sample receipt documentation for the laboratory.

## 7.2 Field Intra-Laboratory Duplicate Assessment

Relative Percentage Differences (RPDs) were calculated between the primary sample concentration and its corresponding intra-laboratory duplicate. The RPD acceptance criteria is 30% however it is noted that higher variations can be expected for organic analysis, samples with low analyte concentrations or non-homogenous samples (NEPM 2013). As such, the primary laboratory RPD acceptance criteria were used and are as follows:

1. Results <10 times the LOR: No Limit
2. Results between 10-20 times the LOR: RPD must lie between 0-50%
3. Results >20 times the LOR: RPD must lie between 0-30%

One intra-laboratory duplicate sample was collected as part of this investigation. Given that the purpose of the sampling works was to provide preliminary indications as to the presence/absence of contamination, collection of one (1) intra-laboratory field duplicate per twenty (20) primary samples was considered appropriate.

All RPD results were within the acceptable range. The field QA/QC is considered acceptable for the investigation. Sample and RPDs results are included in Table 3 of **Annex F**.

## 7.3 Laboratory Quality Assurance & Quality Control

Laboratory QA/QC procedures and results are detailed in the certified laboratory results contained in **Annex H**. The analytical methods implemented by the laboratories were reported to be consistent with the scope of their NATA accreditation and consistent with Schedule B3 of the ASC NEPM (2013). The laboratory generally reported an adequate range and frequency of data quality information (including laboratory duplicates and control samples).

The reported laboratory data quality was considered acceptable to meet the objectives of this assessment.

#### **7.4 Data Quality Summary**

Overall, the data from this investigation is considered to be of sufficient quality to serve as a basis for interpretation as part of this assessment.

### **8 Conceptual Site Model**

A CSM is a representation of site related information regarding contaminant sources, exposure pathways and human and environmental receptors. A CSM facilitates consideration of risks to human health and the environment associated with site contamination through assessment of source–pathway–receptor linkages. A CSM based on the understanding of site history and environmental setting is presented in **Table 8.1** below.

**Table 8.1 - Conceptual Site Model**

Primary Sources	CoPC	Secondary Sources	Transport Mechanisms	Exposure Route	Receptors
Potential Fill materials of unknown origin	<ul style="list-style-type: none"> <li>Heavy Metals</li> <li>TRH</li> <li>BTEX</li> <li>PAH</li> <li>Asbestos</li> </ul>	<ul style="list-style-type: none"> <li>Impacted soils at depth</li> <li>Offsite migration in groundwater</li> </ul>	<ul style="list-style-type: none"> <li>Leaching to surface soils</li> <li>Surface runoff to stormwater</li> <li>Leaching to groundwater</li> </ul>	<ul style="list-style-type: none"> <li>Dermal Contact or incidental ingestion of soil</li> <li>Inhalation of dust and/or fibres</li> <li>Plant uptake and/or ingestion by animals</li> </ul>	<ul style="list-style-type: none"> <li>Current and future site users</li> <li>Future construction/maintenance workers</li> <li>Users and occupants of adjoining land</li> <li>Ecological (Uptake of terrestrial Flora)</li> </ul>

## 8.1 SPR Linkage Assessment

A source-pathway-receptor (SPR) linkage is present when a pathway links a source with a receptor. These linkages are considered complete where a risk to the identified receptors may exist, now or in the future. **Table 8.2** below, provides an assessment of the SPR linkages identified at the Site for the identified receptors/media and the potential exposure pathway that may exist.

**Table 8.2 – SPR Linkage Assessment**

Receptor/Media	Exposure Pathway	Comments
Human - Site Users including recreational site users and construction / maintenance workers disturbing the soil.	Incomplete	Soil sample results considered acceptable under adopted SAC (HIL-A/HSL-A)
Users and occupants of adjoining land	Incomplete	Soil sample results considered acceptable under adopted SAC (HIL-A/HSL-A). Therefore, a SPR linkage with offsite receptors is considered incomplete.
Ecological	Incomplete	CoC in exceedance of the adopted SAC were not identified in any of the soil samples analysed at the site.  The exposure pathways to sensitive ecological receptors are considered incomplete.

## 9 Conclusions

The detailed desktop review of available information and thorough Site inspection including shallow soil investigation have enabled the development of a CSM allowing assessment of potential health and environmental issues relating to the Site. Key findings were:

1. Potential contamination sources at the Site are limited based on historical land use
2. Visible signs of gross contamination were not observed during Site inspection and intrusive works
3. Contamination in shallow soils was not identified at any of the sampling locations

In summary, based on the desktop study and limited soil sampling conducted on the Site, no indication of gross contamination has been identified which would constrain the development of the Site for the

proposed residential development. HGS considers the Site suitable for the proposed residential development.

Given the preliminary nature of the investigation an unexpected finds protocol should be utilised during any proposed future earthworks at the Site.

## 10 Unexpected Finds

The presence of any unexpected finds would be highlighted during development works by the observation of any unusual physical (e.g. staining, fill material, asbestos-containing material) or sensory characteristics of the soil. In the event that any significant unknown type of material is identified, site works should be stopped in that area and an assessment of the material and its likely impact on the CSM would be undertaken by an appropriately qualified environmental consultant immediately to prepare a suitable response to the occurrence. All additional works should be documented and detailed in the validation report.

## 11 Report Limitations

HGS considers that the objectives of the original scope as presented in quote Q3142 of the investigation have been achieved.

The analytical data and recommendations within the above report are subjected to the specific sampling and testing that was undertaken at the time of the current investigation. It should be noted that underlying Site soil conditions can vary significantly across a Site and the environment can change over time. If conditions encountered during intrusive works are different to those contained in this report HGS should be contacted immediately for Site reassessment.

If you have any further questions about this report, please contact the undersigned.

For and on behalf of

Hunter Geotechnical Services

**Reported by:**



**Jake Duck**

*Environmental Scientist*

Bachelor of Environmental Science and  
Management

**Reviewed by:**



**Gilles Renda**

*Environmental Scientist*

Bachelor of Science

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## References

- National Environment Protection Council (NEPC), (2013) *National Environment Protection (Assessment of Site Contamination) Measure 1999, NEPM, Canberra. Schedule B2: Guideline On-site Characterisation.*
- NSW EPA (2020) *Contaminated Land Guidelines: Guidelines for Consultants Reporting on Contaminated Land.*
- NSW EPA (2022) *Contaminated Land Guidelines: Sampling Design Part 1 – Application.*
- NSW EPA (1997). *Contaminated Land Management Act 1997.*
- NSW EPA (2017) *Naturally Occurring Asbestos in NSW*  
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<https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/address> accessed 6/05/2024.



# Annex A





CLIENT:	King & Campbell
PROJECT:	Proposed Residential Subdivision
LOCATION:	Lot 9 DP1219664157 Arakoon Road, South West Rocks
TITLE:	Investigation Location Plan

JOB NO:	G0840
DRAWN BY:	DS
DATE:	13/01/2025
SCALE:	1:6,000
FIGURE NO:	Figure 1

SIZE:	A3
REVISION:	1

LEGEND
Testpit Locations
Kempsey_100K_Coastal_Quaternary_Geological_Sheet_MGAz56
Soil_AcidSulfateSoilRisk_Probability
APP_C_Concept Subdivision Layout - King & Campbell_modified





# Annex B



## PLANNING CERTIFICATE ISSUED UNDER SECTION 10.7(2)

ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979

Civic Centre  
22 Tozer Street  
PO Box 3078  
West Kempsey  
NSW 2440

Customer Services  
P. 02 6566 3200  
F. 02 6566 3205  
[ksc@kempsey.nsw.gov.au](mailto:ksc@kempsey.nsw.gov.au)

ABN  
70 705 618 663

### APPLICANT DETAILS

**INFOTRACK**

GPO BOX 4029  
SYDNEY NSW 2001

### PROPERTY DETAILS

**Address:** 157 ARAKOOON ROAD SOUTH WEST ROCKS NSW 2431  
**RPD:** Lot No: 9 DP No: DP1219664

### CERTIFICATE DETAILS

**Your Ref:** LS068584\_S107  
**Certificate No:** PLC202405559  
**Date of Issue:** 5 December 2024  
**Issued by:** Kempsey Shire Council

This is a Planning Certificate issued by Kempsey Shire Council under Section 10.7(2) of the *Environmental Planning and Assessment Act 1979* on the application of the person described above in respect of the land described above.

The following information is current as at the date of issue of this certificate in respect of the matters prescribed by clause 290 and Schedule 2 of the *Environmental Planning and Assessment Regulation 2021*.

Where information has been received from a third party, it is recommended that applicants approach that party directly for further information and to confirm its authenticity.

The *Environmental Planning and Assessment Act 1979* will be referred to in this certificate as “the Act”.



## 1. NAMES OF RELEVANT PLANNING INSTRUMENTS AND DEVELOPMENT CONTROL PLANS

(1) The name of each environmental planning instrument that applies to the carrying out of development on the land.

(a) Names of relevant Local Environment Plans (LEPs) and deemed environmental planning instruments:

**Kempsey Local Environment Plan 2013**

(b) Names of relevant State Environmental Planning Policies (SEPPs):

**Note:** The list of the following SEPPs applies to the subject land. Some SEPPs apply only to the applicable development and some may not apply where there are certain constraints. The following SEPPs will need to be reviewed in detail to ensure they do indeed apply to the land and proposed development:

- **State Environmental Planning Policy (Biodiversity and Conservation) 2021**
- **State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004**
- **State Environmental Planning Policy (Exempt and Complying Development Codes) 2008**
- **State Environmental Planning Policy (Housing) 2021**
- **State Environmental Planning Policy (Industry and Employment) 2021**
- **State Environmental Planning Policy (Planning Systems) 2021**
- **State Environmental Planning Policy (Primary Production) 2021**
- **State Environmental Planning Policy (Resilience and Hazards) 2021**
- **State Environmental Planning Policy (Resources and Energy) 2021**
- **State Environmental Planning Policy (Transport and Infrastructure) 2021**
- **State Environmental Planning Policy (Sustainable Buildings) 2022**

(c) Names of relevant Regional Environmental Plans:

**Nil**

(d) The name of each development control plan that applies to carrying out of development on the land.

**Comprehensive Kempsey Development Control Plan 2013 (CKDCP)**

**Note:** The applicability of the DCP chapters will be dependent on the development proposed, the locality and the constraints affecting the land.

(2) The name of each proposed environmental planning instrument that will apply to the carrying out development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Director-General has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved)

(a) Draft LEPs

**Nil**

(b) Draft SEPPs

**Nil**

(c) Draft REPs

**Nil**

(d) Draft DCPs

**Nil**

## 2. ZONING AND LAND USE UNDER RELEVANT LEPS

For each environmental planning instrument or proposed instrument referred to in item 1 (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):

- (a-b) Except as otherwise provided by Kempsey Local Environmental Plan 2013 (KLEP), the subject land is within the following zone(s) and is affected by the following Land Use Table:

### **R5 Large Lot Residential**

#### **2 Permitted without consent**

Environmental protection works; Home-based child care; Home occupations

#### **3 Permitted with consent**

Dual occupancies; Dwelling houses; Extensive agriculture; Group homes; Home industries; Horticulture; Neighbourhood shops; Oyster aquaculture; Pond-based aquaculture; Roads; Roadside stalls; Secondary dwellings; Tank-based aquaculture; Tourist and visitor accommodation; Viticulture; Any other development not specified in item 2 or 4

#### **4 Prohibited**

Agriculture; Air transport facilities; Airstrips; Amusement centres; Animal boarding or training establishments; Backpackers' accommodation; Boat building and repair facilities; Camping grounds; Car parks; Caravan parks; Commercial premises; Correctional centres; Crematoria; Dairies (pasture-based); Depots; Eco-tourist facilities; Emergency services facilities; Entertainment facilities; Exhibition homes; Exhibition villages; Forestry; Freight transport facilities; Function centres; Heavy industrial storage establishments; Helipads; Highway service centres; Hotel or motel accommodation; Industrial retail outlets; Industrial training facilities; Industries; Information and education facilities; Mortuaries; Passenger transport facilities; Public administration buildings; Recreation facilities (indoor); Recreation facilities (major); Recreation facilities (outdoor); Registered clubs; Residential accommodation; Restricted premises; Rural industries; Service stations; Serviced apartments; Sex services premises; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Waste or resource management facilities; Wholesale supplies

**Note:** Please be advised that waterways move over time. Consequently, if the property is affected by Zone W1 (Natural Waterways) or W2 (Recreational Waterways), or within close proximity to this zone, a surveyor may need to undertake a survey to ascertain the current property boundaries

- (c) Whether any additional permitted uses apply to the land:

**No**

- (d) Whether development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the fixed minimum land dimensions

**No**

- (e) Whether the land is in an area of outstanding biodiversity value under the Biodiversity Conservation Act 2016,

**No.**

- (f) Whether the land is in a conservation area, however described,

**No**

- (g) Whether an item of environmental heritage, however described, is located on the land.

**No**

### 3. CONTRIBUTIONS PLANS

- (1) The following contributions plans apply (or may apply depending on proposed future development) to the subject land:  
**Section 94 Developer Contribution Plan: Project Administration 2007**  
**South West Rocks Section 94 Contributions Plan 2008**

**Note:** In addition to the above developer contribution plans, Development Servicing Plans for water and sewer connection may be applicable, attracting additional contributions for the development, particularly where development will connect to water and/or sewer services.

### 4. COMPLYING DEVELOPMENT

- (1) Whether complying development may be carried out on the land, and the extent that complying development may be carried out, under each of the codes for complying development because of the provisions of clauses 1.17A(1)(c) to (e), (2), (3) and (4), 1.18(1)(c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

(a) **The Commercial and Industrial Alterations Code (Part 5)**

Yes. Complying Development under the Commercial and Industrial Alterations Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area

(b) **The Greenfield Housing Code (Part 3C)**

Yes. Complying Development under the Greenfield Housing Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area
- Within a buffer area, or Within a riverfront area, or Within an ecologically sensitive area, or Environmentally sensitive land, or Within a protected area

(c) **The Subdivision Code (Part 6)**

Yes. Complying Development under the Subdivision Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area

(d) **The Commercial and Industrial (New Buildings and Additions) code (Part 5A)**

Yes. Complying Development under the Commercial and Industrial (New Buildings and Additions) Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area
- Within a buffer area, or Within a riverfront area, or Within an ecologically sensitive area, or Environmentally sensitive land, or Within a protected area

(e) **Rural Housing Code (Part 3A)**

Yes. Complying Development under the Rural Housing Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area
- Within a buffer area, or Within a riverfront area, or Within an ecologically sensitive area, or Environmentally sensitive land, or Within a protected area

(f) **The Fire Safety Code (Part 8)**

Yes. Complying Development under the Fire Safety Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area

(g) **Housing Alterations Code (Part 4)**

Yes. Complying Development under the Housing Alterations Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area

(h) **Low Rise Housing Diversity Code (Part 3B)**

Yes. Complying Development under the Low Rise Housing Diversity Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area
- Within a buffer area, or Within a riverfront area, or Within an ecologically sensitive area, or Environmentally sensitive land, or Within a protected area

(i) **The General Development Code (Part 4A)**

Yes. Complying Development under the General Development Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area

(j) **The Demolition Code (Part 7)**

Yes. Complying Development under the Demolition Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area

(k) **Housing Code (Part 3)**

Yes. Complying Development under the Housing Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area
- Within a buffer area, or Within a riverfront area, or Within an ecologically sensitive area, or Environmentally sensitive land, or Within a protected area

(l) **The Container Recycling Facilities Code (Part 5B)**

Yes. Complying Development under the Container Recycling Facilities Code may be carried out on that PART of the land NOT affected by any of the following:

- Environmentally Sensitive Area

**Note:** This information needs to be read in conjunction with the whole of the SEPP. If an identification, restriction or characteristic of land referred to above is not located on or does not comprise, the whole of the relevant land, complying development may be carried out on any part of the land not so identified, restricted or characterised.

**Note:** Information regarding whether the property is affected by flood related development controls or bushfire prone is identified in other sections of this certificate. If your property is identified as being impacted by bushfire or flooding, a specific technical assessment of these issues will be required as part of any Complying Development Certificate application under the SEPP, or a development application for any other type of development requiring consent from Council.

**Note** - Despite any references above advising that Complying Development may be undertaken on the land, certain Complying Development may be precluded from occurring on the land due to requirements contained in the remainder of SEPP (Exempt and Complying Development Codes) 2008. It is necessary to review the SEPP in detail to ensure that specific types of complying. development may be undertaken on the land.

## 5. EXEMPT DEVELOPMENT

- (1) Whether exempt development may be carried out on the land, and the extent that exempt development may be carried out, under each of the codes for exempt development because of the provisions of clauses 1.16(1)(b1)–(d) or 1.16A of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

**Yes,** development specified in the Exempt Development Codes may be carried out without obtaining development consent from a consent authority if the development complies with the relevant development standards outlined in *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

## 6. AFFECTED BUILDING NOTICES AND BUILDING PRODUCT RECTIFICATION ORDERS

- (1) If there is an affected building notice under the Building Products (Safety) Act 2017 of which Council is aware of that is in force in respect of the land.

**No**

- (2) Is there any building product rectification order of which Council is aware of that is in force in respect of the land and has not been fully complied with.

**No**

- (3) Is there any notice of intention to make a building product rectification order of which Council is aware has been given in respect of the land and is outstanding.

**No**

## 7. LAND RESERVED FOR ACQUISITION

- (1) Whether any environmental planning instrument or proposed environmental planning instrument referred to in item 1 of this certificate, makes provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the *Environmental Planning and Assessment Act 1979*.

**None of the land is identified on the Kempsey Local Environmental Plan 2013 Land Reservation Acquisition Map.**

## 8. ROAD WIDENING AND ROAD REALIGNMENT

- (1) Whether or not the land is affected by any road widening or road realignment under:

- (a) Division 2 of Part 3 of the *Roads Act 1993*; or
- (b) Any environmental planning instrument; or
- (c) Any resolution of Council.

**No**

**Note:** This relates to Council's road proposals only. Other authorities including the NSW Roads and Maritime Services may have road widening proposals.

## 9. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION

- (1) If the land or part of the land is within the flood planning area and subject to flood related development controls:

**No**, the land is not identified within the adopted flood planning area. However, Council does not hold such information for the entire shire. If your property is in an area where there is no approved Flood Risk Management Plan, you may wish to consider seeking professional advice. Information on approved Flood Risk Management Plans are available on Council's website.

- (2) If the land or part of the land is between the flood planning area and the probable maximum flood and subject to flood related development controls:

**No**, the land is not identified between the adopted flood planning area and the probable maximum flood. However, Council does not hold such information for the entire shire. If your property is in an area where there is no approved Flood Risk Management Plan, you may wish to consider seeking professional advice. Information on approved Flood Risk Management Plans are available on Council's website.

**Note:** The information provided in Item 9 is based on the data and information presently available to the Council and on development controls in force as the date of this certificate. The identification of land as not being subject to flood related development controls does not mean that the land is not or may not be subject to flooding or that the land will not in the future be subject to flood related development controls, as additional data and information regarding the land becomes available.

**Note:** Words and expressions in this clause have the same meanings as in *Kempsey Local Environmental Plan 2013*.

**Note:** An application to Council for a separate Flood Search may be made for a more accurate analysis of the effects of possible flooding on the subject property



## 10. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS

- (1) Whether any of the land is affected by an adopted policy that restricts the development of the land because of the likelihood of:

**Land slip**

Relevant provisions of the Kempsey Development Control Plan 2013 apply when development is proposed on steep and/or unstable land.

**Bushfire**

Yes, relevant provisions of the Kempsey Development Control Plan 2013 apply when development is proposed on bushfire prone land.

**Tidal inundation**

Relevant provisions of the Kempsey Development Control Plan 2013 apply when development is proposed on land subject to tidal inundation.

**Subsidence**

The Council does not have an adopted policy that restricts the development of land because of the likelihood of subsidence.

**Acid Sulphate Soils**

No

**Contamination**

Relevant provisions of Council's adopted MIDROC Contaminated Land Policy apply when development is proposed on contaminated land, or potentially contaminated land.

**Aircraft Noise**

The Council does not have an adopted policy that restricts the development of land because of the likelihood of aircraft noise.

**Salinity**

The Council does not have an adopted policy that restricts the development of land because of the likelihood of salinity.

**Coastal Hazards**

The Council does not have an adopted policy that restricts the development of land because of the likelihood of coastal hazards.

**Sea Level Rise**

The Council does not have an adopted policy that restricts the development of land because of the likelihood of sea level rise.

**Any other risk (other than flooding)**

No

## 11. BUSH FIRE PRONE LAND

- (1) Whether any of the land is bushfire prone land, as defined in the *Environmental Planning and Assessment Act 1979*.  
**Some or all of the land is identified as bush fire prone land.**

**Note:** In accordance with the Environmental Planning and Assessment Act 1979, bush fire prone land, in relation to an area, means land recorded for the time being as bush fire prone land on a bush fire prone land map for the area.

**Note:** Further details of any applicable restrictions on development of the land associated with Bushfire Prone Land may be obtained by consulting with Council or reviewing the guideline Planning for Bushfire Protection 2019, (as amended from time to time) available on the NSW Rural Fire Service website

## 12. LOOSE-FILL ASBESTOS INSULATION

- (1) If the land includes any residential premises (within the meaning of Division 1A of Part 8 of the Home Building Act 1989) that are listed on the register that is required to be maintained under that Division, a statement to that effect.

No

### 13. MINE SUBSIDENCE

- (1) Whether or not the land is proclaimed to be a mine subsidence district within the meaning of the *Coal Mine Subsidence Compensation Act 2017*.

No

### 14. PAPER SUBDIVISION INFORMATION

- (1) The date of any subdivision order that applies to the land.

**Not applicable**

- (2) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.

**Not applicable**

**Note:** Words and expression used in this clause have the same meaning as they have in Part 16C of the *Environmental Planning and Assessment Regulation 2000*.

### 15. PROPERTY VEGETATION PLANS

- (1) Whether Council has been notified of the existence of an approved Property Vegetation Plan under the *Native Vegetation Act 2003* which applies to the land.

No

### 16. BIODIVERSITY STEWARDSHIP SITES

- (1) Whether the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the Biodiversity Conservation Act 2016 and Council has been notified of the existence of the agreement by the Chief Executive Officer of the Office of Environment and Heritage?

No

**Note:** Biodiversity stewardship agreements include biobanking agreements under Part 7A of the repealed Threatened Species Conservation Act 1995 that are taken to be biodiversity stewardship agreements under Part 5 of the Biodiversity Conservation Act 2016.

### 17. BIODIVERSITY CERTIFIED LANDS

- (1) Whether the land is biodiversity certified land within the meaning of Part 8 of the *Biodiversity Conservation Act 2016*?

No

**Note:** In addition to the above developer contribution plans, Development Servicing Plans for water and sewer connection may be applicable, attracting additional contributions for the development, particularly where development will connect to water and/or sewer services.

#### 18. ORDERS UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006

- (1) Whether Council has been notified of an order which has been made under the Trees (*Disputes Between Neighbours*) Act 2006, to carry out work in relation to a tree on the land.

**No**

#### 19. ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS

- (1) In relation to a coastal council - whether the owner (or any previous owner) of the land has consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

**No**

#### 20. WESTERN SYDNEY AEROTROPOLIS

(a-e) **NOT APPLICABLE**

#### 21. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS HOUSING

- (1) Any terms of a kind referred to in clause 18(2) of SEPP (Housing for Seniors of People with a Disability) 2004 that have been imposed as a condition of a development consent granted after 11 October 2007 in respect of that land.

**Not Applicable**

- (2) Whether there is a site compatibility certificate (seniors housing), of which Council is aware, issued in accordance with clause 25 of State Environmental Planning Policy (Housing for Seniors of People with a Disability) 2004, in respect of proposed development

**The Council is not aware of any current site compatibility certificate (seniors housing) in respect of proposed development on the land.**

#### 22. SITE COMPATIBILITY CERTIFICATES FOR AFFORDABLE RENTAL HOUSING

- (1) Any terms of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of development consent, in respect of the land.

**Not applicable**

- (2) Whether there is a site compatibility certificate (affordable rental housing), of which Council is aware, issued in accordance with clause 37 of State Environmental Planning Policy (Affordable Rental Housing) 2009, in respect of proposed development on the Land

**Council is not aware of any current site compatibility certificate (Affordable Rental Housing) in respect of proposed development on the land.**

#### 23. CONTAMINATED LAND MANAGEMENT ACT 1997

- (1) Whether the land, or part of the land, is declared "significantly contaminated land", at the date this certificate is issued.

**No**

- (2) Whether the land is the subject of an "approved voluntary management proposal", as at the date of this certificate.

**No**

- (3) Whether the land is the subject to an "ongoing maintenance order", as at the date of this certificate.

**No**

- (4) Whether a copy of a "site audit statement", related to the land, has been provided to Council, at any time prior to the date of this certificate.

**No**

(5) Whether the land is subject to a "management order", issued in accordance with section 14 of the Contaminated Land Management Act 1997, as at the date of this certificate.

No

**Note:** The above matters are prescribed by section 59(2) of the *Contaminated Land Management Act 1997*. The terms referred to above are defined in sections 11, 14, 17 and 28 of the *Contaminated Land Management Act 1997*.

#### AUTHORISATION



MARNIE JEFFERY  
For the General Manager

Dated at Kempsey 5 December 2024



## PLANNING CERTIFICATE ISSUED UNDER SECTION 10.7(5)

ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979

Civic Centre  
22 Tozer Street  
PO Box 3078  
West Kempsey  
NSW 2440

Customer Services  
P. 02 6566 3200  
F. 02 6566 3205  
ksc@kempsey.nsw.gov.au

ABN  
70 705 618 663

### APPLICANT DETAILS

**INFOTRACK**  
GPO BOX 4029  
SYDNEY NSW 2001

### PROPERTY DETAILS

**Address:** 157 ARAKOON ROAD SOUTH WEST ROCKS NSW 2431  
**RPD:** Lot No: 9 DP No: DP1219664

### CERTIFICATE DETAILS

**Your Ref:** LS068584\_S107  
**Certificate No:** PLC202405559  
**Date of Issue:** 5 December 2024  
**Issued by:** Kempsey Shire Council

Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* ("the Act") provides that a council may, in a planning certificate, include advice on such other relevant matters affecting the land of which it may be aware. When information pursuant to Section 10.7(5) is requested, the Council is under no obligation to furnish any information pursuant to that Section. The absence of any reference to any matter affecting the land shall not imply that the land is not affected by any matter not referred to in this Certificate.

This is a Planning Certificate issued by Kempsey Shire Council under Section 10.7(5) of the *Environmental Planning and Assessment Act 1979* on the application of the person described above in respect of the land described above.

The following information is current as at the date of issue of this certificate.

The *Environmental Planning and Assessment Act 1979* will be referred to in this certificate as "the Act"

## NON-PRESCRIBED MATTERS

### 1. ON SITE SEWERAGE MANAGEMENT

No

### 2. APPLICATIONS

Council's records indicate that the following applications for development on the land have been determined within the last five (5) years:

**2020/LD-00233**

Description:	DWELLING & INGROUND POOL
Determination Date:	24/11/2020
Determination:	Approved - Officer

**Note:** This list relates to the allotment and deposited plan reference for which the certificate has been prepared and does not include applications submitted for historical parcels. This list does not include undetermined development applications.

**Note:** Council draws your attention to Section 10.7(6) which states that a Council shall not incur any liability in respect of any advice provided in good faith pursuant to subsection (5).

### AUTHORISATION



MARNIE JEFFERY  
For the General Manager

Dated at Kempsey 5 December 2024



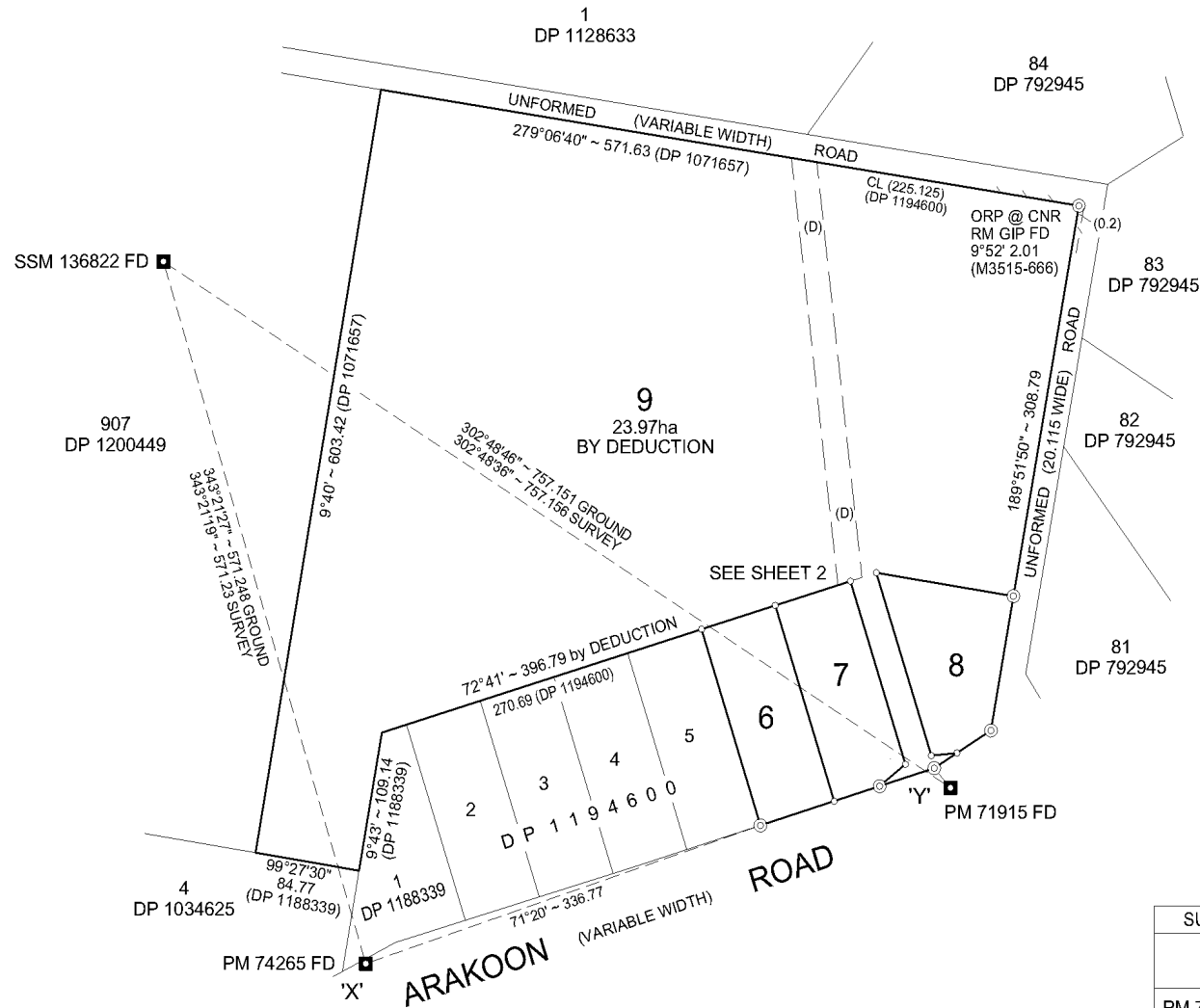
# Annex C







(D) DP 1194600 - EASEMENT FOR OVERHEAD POWERLINES 20 WIDE



X - Y 73°50'10" ~ 492.195 GROUND 492.208 SURVEY

SURVEYING & SPATIAL INFORMATION REGULATION 2012:CLAUSES 35(1)(B) & 61(2)					
MARK	M.G.A. CO-ORDINATES		CLASS	ORDER	ORIGIN
	EASTING	NORTHING			
PM 74265	504799.904	6580399.477	B	2	SCIMS
PM 71915	505272.449	6580536.441	B	2	SCIMS
SSM 136822	504636.365	6580946.572	C	3	SCIMS
M.G.A. CO-ORDINATES ADOPTED FROM S.C.I.M.S. 12/02/2016 COMBINED SCALE FACTOR = 0.999592 ZONE 56					

Surveyor: MARK WILLIAM ROGERS  
Date of Survey: 11/04/2016  
Surveyor's Ref: 15729DP04

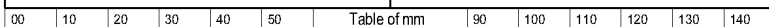
PLAN OF SUBDIVISION OF  
LOT 6 DP 1194600

LGA: KEMPSEY  
Locality: SOUTH WEST ROCKS  
Subdivision No. **2647/16**  
Lengths are in metres. Reduction Ratio 1 : 4000

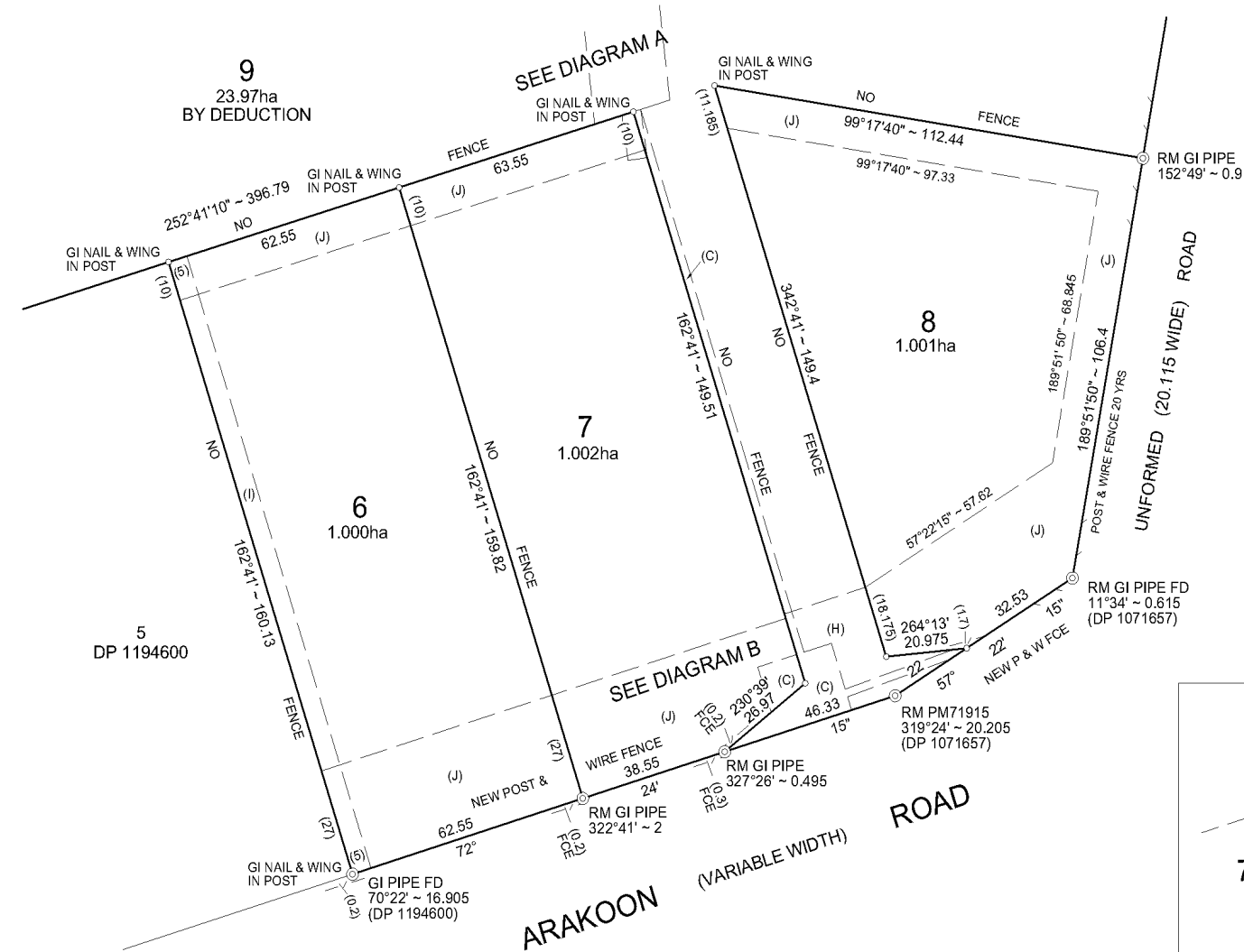
Registered

 17.6.2016

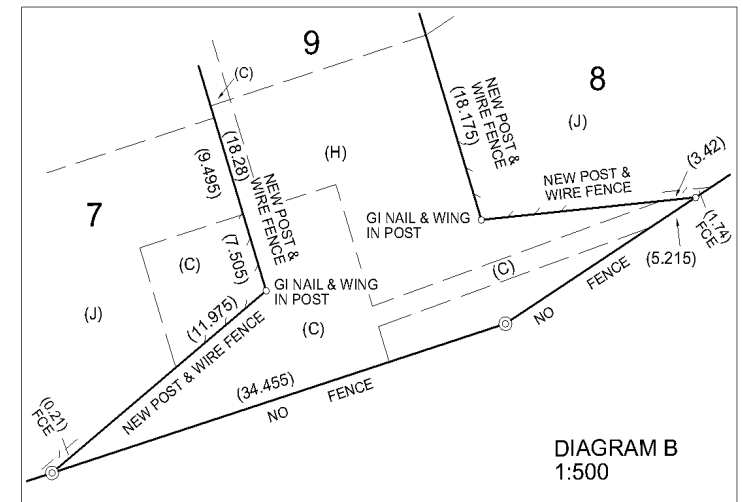
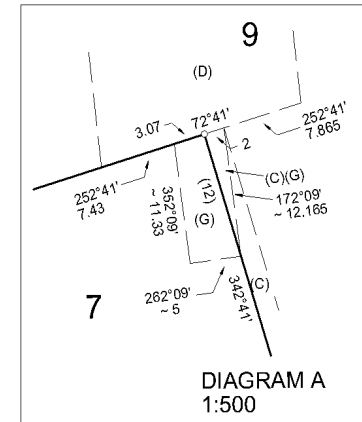
DP1219664



Req:R522483 /Doc:DP 1219664 P /Rev:20-Jun-2016 /NSW LRS /Pgs:ALL /Prt:09-Dec-2024 18:25 /Seq:2 of 4  
 @ Office of the Registrar-General /Src:InfoTrack /Ref:157 Arakoon Road? South West Rocks



- (C) DP 1194600 - EASEMENT FOR MULTI-PURPOSE POWERLINES 2 WIDE & VARIABLE WIDTH  
 (D) DP 1194600 - EASEMENT FOR OVERHEAD POWERLINES 20 WIDE  
 (G) DP 1194600 - EASEMENT FOR MULTI-PURPOSE POWERLINES 5 WIDE  
 (H) RIGHT OF ACCESS OF VARIABLE WIDTH  
 (I) EASEMENT FOR DRAINAGE OF WATER 5 WIDE  
 (J) POSITIVE COVENANT



Surveyor: MARK WILLIAM ROGERS  
 Date of Survey: 11/04/2016  
 Surveyor's Ref: 15729DP04

PLAN OF SUBDIVISION OF  
 LOT 6 DP 1194600

LGA: KEMPSEY  
 Locality: SOUTH WEST ROCKS  
 Subdivision No. 2647/16

Lengths are in metres. Reduction Ratio 1 : 1200

Registered  
 17.6.2016

DP1219664



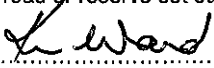
PLAN FORM 6 (2012)

WARNING: Creasing or folding will lead to rejection

ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 1 of 2 sheet(s)

<p>Registered:  17.6.2016</p> <p>Title System: TORRENS</p> <p>Purpose: SUBDIVISION</p>		<p>Office Use Only</p> <p>Office Use Only</p> <p><b>DP1219664</b></p>							
<p><b>PLAN OF SUBDIVISION OF LOT 6 DP 1194600</b></p>		<p>LGA: KEMPSEY</p> <p>Locality: SOUTH WEST ROCKS</p> <p>Parish: ARAKOON</p> <p>County: MACQUARIE</p>							
<p>Crown Lands NSW/Western Lands Office Approval</p> <p>I, ..... (Authorised Officer) in approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given</p> <p>Signature: .....</p> <p>Date: .....</p> <p>File Number: .....</p> <p>Office: .....</p>		<p>Survey Certificate</p> <p>I, MARK WILLIAM ROGERS of PO BOX 3075, WEST KEMPSEY NSW a surveyor registered under the Surveying and Spatial Information Act 2002, certify that:</p> <p><del>*(a) The land shown in the plan was surveyed in accordance with the Surveying and Spatial Information Regulation, 2012, is accurate and the survey was completed on:</del></p> <p>*(b) The part of the land shown in the plan (*being/*excluding ^ Lots 5, 6 &amp; 8 &amp; connections was surveyed in accordance with the Surveying and Spatial Information Regulation, 2012, is accurate and the survey was completed on 11/04/2016, the part not surveyed was compiled in accordance with that Regulation.</p> <p><del>*(c) The land shown in this plan was compiled in accordance with the Surveying and Spatial Information Regulation, 2012.</del></p> <p>Signature:  Dated: 6.5.2016</p> <p>Surveyor ID # 1928</p> <p>Datum Line: 'X' - 'Y'</p> <p>Type: *Urban/*Rural</p> <p>The terrain is *Level-Undulating / *Steep-Mountainous</p> <p><del>*Strike through if inapplicable</del></p> <p>^Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey.</p> <p>#Enter the surveyor identification number.</p>							
<p>Subdivision Certificate</p> <p>I, <u>Ken Ward</u></p> <p>*Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions of s.109J of the Environmental Planning and Assessment Act 1979 have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.</p> <p>Signature: </p> <p>Accreditation no: .....</p> <p>Consent Authority: KEMPSEY SHIRE COUNCIL</p> <p>Date of Endorsement: 19-05-16</p> <p>Subdivision Certificate no: 2647/1.6</p> <p>File no: T2-15-293</p> <p><del>*Strike through if Inapplicable</del></p>									
<p>STATEMENTS of intention to dedicate public roads, public reserves and drainage reserves</p>		<p>Plans used in the preparation of survey/compilation</p> <table><tr><td>DP 1071657</td><td>DP 1188339</td></tr><tr><td>DP 1200449</td><td>DP 1194600</td></tr><tr><td></td><td>3515-666</td></tr></table>		DP 1071657	DP 1188339	DP 1200449	DP 1194600		3515-666
DP 1071657	DP 1188339								
DP 1200449	DP 1194600								
	3515-666								
<p>Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A</p>		<p>If space is insufficient use PLAN FORM 6A</p> <p>Surveyor's Reference: 15729DP04</p>							

PLAN FORM 6A (2012)

WARNING: Creasing or folding will lead to rejection

ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 2 of 2 sheet(s)

Registered: 17.6.2016



Office Use Only

Office Use Only

PLAN OF SUBDIVISION OF

LOT 6 DP 1194600

DP1219664

This sheet is for the provision of the following information as required:

- A schedule of lots and addresses- See 60(c) SSI Regulation 2012
- Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919
- Signatures and seals- see 195D Conveyancing Act 1919
- Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.

Subdivision Certificate No.: 2647/16

Date of Endorsement: 19-05-16

PURSUANT TO SECTION 88(B) OF THE CONVEYANCING ACT 1919, IT IS INTENDED TO CREATE:

1. RIGHT OF ACCESS OF VARIABLE WIDTH
2. EASEMENT FOR DRAINAGE OF WATER 5 WIDE
3. RESTRICTIONS ON THE USE OF LAND
4. POSITIVE COVENANT
5. POSITIVE COVENANT
6. POSITIVE COVENANT

Lot	Street Number	Street Name	Street Type	Locality
6	149	Arakoon	Road	South West Rocks
7	155	Arakoon	Road	South West Rocks
8	165	Arakoon	Road	South West Rocks
9	157	Arakoon	Road	South West Rocks

Certified correct for the purposes of the Real property Act 1900 by WILLIAM BARRY WALLS, the owner.

WILLIAM BARRY WALLS

Certified correct for the purposes of the Real property Act 1900 by MARGARET ELAINE WALLS, the owner.

MARGARET ELAINE WALLS

Executed pursuant to Section 127 of the Corporations Act 2001 by Vereker Administration Pty Limited, ACN 001660215.

Signature of Director

MARK FRANCIS GREEN

Name of Director

Signature of Director

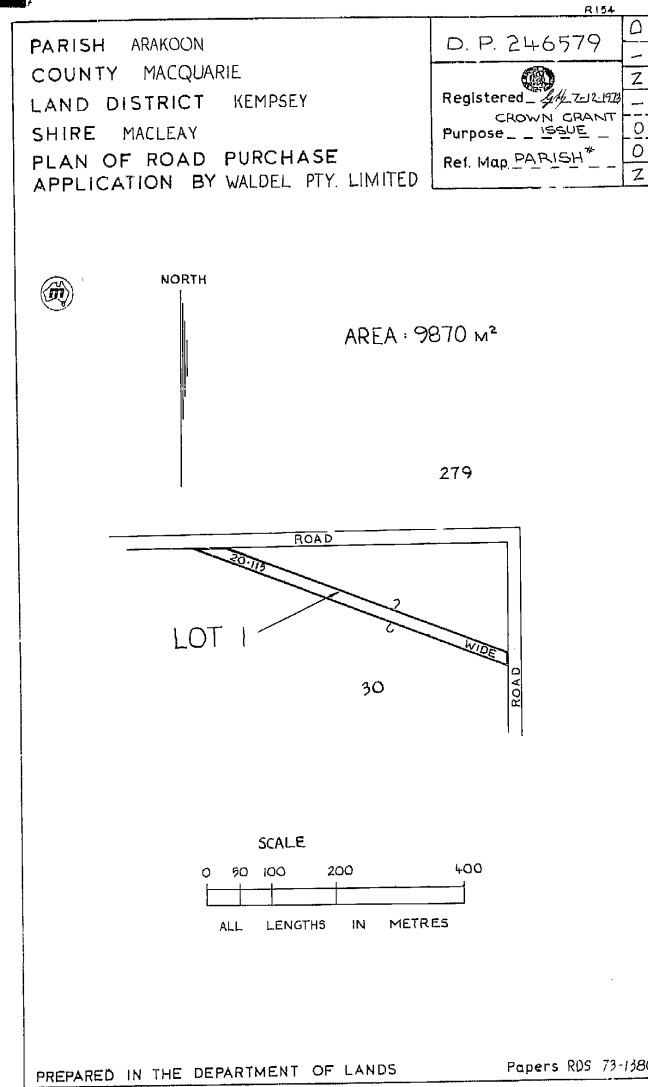
ROBERT JOHN TASSELL

Name of Director

(If space is insufficient use additional annexure sheet)

Surveyor's Reference: 15729DP04





I, Jack Hayward Watson, Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this 10th day of December, 1973.

*Jack Hayward Watson*



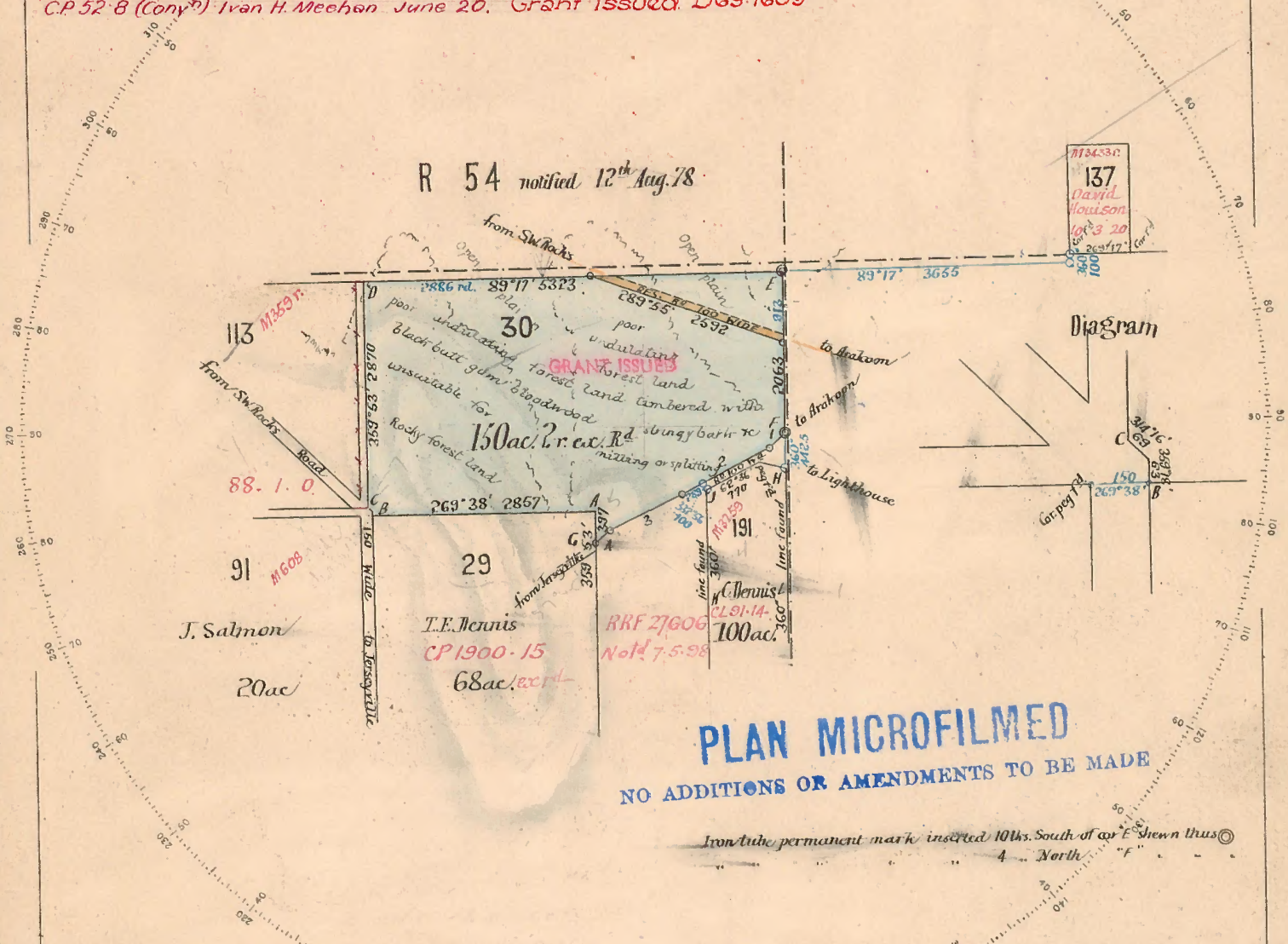


1901/41

PLAN OF PORTION 30  
County of Macquarie Parish of Arakoon  
Land District of Kempsey Land Board District of Grafton  
Resumed Area N<sup>o</sup> Pastoral Holding Eastern Division

Applied for under the 48<sup>th</sup> Section of the Crown Lands Act of 1884 by Thomas Egerton Dennis

CL 1900-3 Aug<sup>t</sup> 23 Conformed 22<sup>nd</sup> Feb. 1901 Granted as N<sup>o</sup> 30718 at Orara Gold Field,  
3<sup>55</sup> per acre vide Gaz. 9<sup>th</sup> Nov<sup>r</sup> 1901 Partly cancels M359.666 roll Proclaimed 12<sup>th</sup> August, 1881, partly  
open to Conditional Purchase.  
Por. 30., ACP 10-38, of 4<sup>th</sup> August, Charles Dennis & Frederick Dennis (Exec<sup>ors</sup> of Estate of late Thos. Egerton Dennis) 150<sup>1</sup>/<sub>2</sub> ac. Withd<sup>rawn</sup>  
Por. 30. ACP 28-15 August 17<sup>th</sup> John Henry Dennis. Forfeited & ~~re-issued~~ Sale & Lease Gaz. 25-8-39 Revoked 4-2-49  
Por. 30. Sp. L. 46-18 Frederick Blanch  
CP 52-8 (Cony<sup>r</sup>) Ivan H. Meehan June 20. Grant issued DG9-1609



PLAN MICROFILMED  
NO ADDITIONS OR AMENDMENTS TO BE MADE

Iron tube permanent mark inserted 10 lbs. South of an E. Shown thus  
4 North

Azimuth taken from M.L.  
Field Book Vol. 5102 Folio 57-63

Reference to Corners

Corner	Bearing	From	Links	N <sup>o</sup> on Tree
A	61° 35'	Blackbutt (new cor.)	17 <sup>3</sup> / <sub>4</sub>	29 30
B	53° 10'	Blackbutt (old cor.)	46 <sup>1</sup> / <sub>4</sub>	29 30
C	205° 30'	"	56 <sup>1</sup> / <sub>4</sub>	30
D	354° 46'	Sty (new cor.)	175	30
E	93° 40'	Gum	59	30
F	131° 30'	"	61 <sup>3</sup> / <sub>4</sub>	30
G	164° 10'	Blackbutt	32 <sup>3</sup> / <sub>4</sub>	30
H	327° 50'	Gum	29 <sup>1</sup> / <sub>2</sub>	191
J	45° 50'	Bloodwood	23	191

Value of Improvements Nil

Amended Copy to Head Office 5-2-01

Reference to Traverse

Line	Bearing	Distance
1	227° 34'	271
2	242° 36'	1243
3	243° 13'	1025
4	232° 15'	244

I hereby certify that I in person made and on the 22<sup>nd</sup> Dec<sup>r</sup> 1900 completed the survey represented on this plan on which are written the bearings and lengths of the lines measured by me and I declare that the survey has been executed in accordance with the regulations published for the guidance of Licensed Surveyors and the practice of the Department of Lands.

Thomas A. Heron Licensed Surveyor

Transmitted to the District Surveyor with my letter of 31<sup>st</sup> Dec<sup>r</sup> 1900 N<sup>o</sup> 58

1900 Voucher N<sup>o</sup> 57 Passed £ 13. 11. 8 PM 30-1-1901

Calculation Book N<sup>o</sup> 1252 Folio 30

Checked and Charted 30. 1. 01

Examined and

Plan approved 30<sup>th</sup> January 1901

W. Woodhouse Draftsman in Charge

3515-666

Scale 20 Chains to an Inch.

M. 3515.666



LAND DISTRICT—MUDGE; SHIRE—WYALDRA;  
MUNICIPALITY—GULGONG.

A.A.P. application 39-106, lodged 17th April, 1939; portion 423, 1 rood 25½ perches, parish Gulgong, county Phillip; suburban lot; offered for sale at Gulgong, 17th April, 1918; price, £6; balance to be paid in twelve months; applicant, Christopher Mealing; address, Happy Valley, Gulgong. S. 39-6,712.

LAND DISTRICT—WINDSOR; MUNICIPALITY—WINDSOR.

A.A.P. application 39-22, lodged 23rd January, 1939; allotment 9, section 4, 1 rood, town Windsor; town lot; offered for sale at Windsor, 27th September, 1893; price, £4 10s.; balance to be paid in three equal annual instalments; applicant, Thomas John Roffe; address, Macquarie-street, Windsor. S. 39-9,901.

(4525) Sydney, 25th August, 1939.

ADDITION TO HOLDING.

IT is hereby notified that the portion of land particularised hereunder is added to and now forms part of the holding mentioned.

COLIN A. SINCLAIR, Minister for Lands.

LAND DISTRICT—BINGARA; SHIRE—GWYDIR.

Parish McKinnon, county Murchison; portion 37 of 29 acres 1 rood 30 perches and portion 38 of 17 acres 3 roods 10 perches added under section 163, from 24th February, 1939, to H.S. 24-3, held by Hugh Gordon Munro; capital value of added area, 15s. per acre. S. 39-916.

(4526) Sydney, 25th August, 1939.

FORFEITED HOLDINGS.

IT is hereby notified that the undermentioned holdings and all the rights attached to such holdings have become and are hereby forfeited, but such forfeiture shall not take effect until the expiration of thirty clear days after this notification.

COLIN A. SINCLAIR, Minister for Lands.

LAND DISTRICT—BELLINGEN; SHIRE—BELLINGEN.

Parish Belmore, county Raleigh; C.P. 09-50, portion 108, 100 acres; C.P. 09-84, portion 107, 100 acres; holder, Joseph Knight (mortgagee—Commissioners, Rural Bank of New South Wales). Reason for forfeiture—non-payment of arrears. S. 39-11,408.

LAND DISTRICT—GUNNDAH; SHIRE—TAMARANG.

Parish Bomera, county Pottinger; S.H. 37-13, portion 120, 9 acres 1 rood 7 perches; holder, Cecil Raymond Newbury. Reason for forfeiture—non-payment of arrears. S. 39-1,127.

LAND DISTRICT—HILLSTON; SHIRE—CARRATHOOL.

Parish Bolton, county Nicholson; C.P. 30-5, portion 48, 62 acres 2 roods; holder, Edwin Block. Reason for forfeiture—non-payment of arrears. S. 38-14,940.

LAND DISTRICT—KEMPSEY; SHIRE—MACLEAY.

Parish Arakoon, county Macquarie; C.P. 91-48, portions 142 and 187, 49 acres 1 rood; C.P. 28-15, portion 30, 150 acres 2 roods; holder, John Henry Dennis. Reason for forfeiture—non-payment of arrears. S. 39-1,056.

LAND DISTRICT—LAKE CARGELLIGO; SHIRE—LACHLAN.

Parish Narden, county Dowling; S.H. 38-3, portion 47, 5 acres 0 roods 36 perches; holder, Leslie Augustus Townsend. Reason for forfeiture—non-payment of arrears. S. 39-14,491.

LAND DISTRICT—NARRANDERA; SHIRE—CARRATHOOL.

Parish Conapaira East, county Cooper; H.F. 22-15, portion 9, 1,270 acres; holder, Edward Vivian Smythe (mortgagee—Commissioners, Rural Bank of New South Wales). Reason for forfeiture—non-payment of arrears. R.C.C. 169.

LAND DISTRICT—NARRANDERA; SHIRE—YANKO.

Parish North Bolero, county Cooper; C.P. 31-12, portion 92, 17 acres 2 roods 30 perches; holder, Francis Allan McRae. Reason for forfeiture—non-payment of arrears. S. 37-1,311.

Parish North Bolero, county Cooper; C.P. 32-9, portion 103, 14 acres; holder, Bernard Patrick Rowland. Reason for forfeiture—non-payment of arrears. S. 35-20,137.

(4527) Sydney, 25th August, 1939.

LAPSING OF AUCTION SALE.

IT is hereby notified that the auction sale of Crown land hereunder particularised is declared lapsed for non-payment of arrears, but such lapsing will not take effect until the expiration of thirty clear days after this notification.

COLIN A. SINCLAIR, Minister for Lands.

LAND DISTRICT—WILLYAMA.

Town Willyama, parish Picton, county Yancowinna; portion 4,381, 34½ perches; sale at Broken Hill, 19th January, 1938; purchaser, John Rosman. S. 39-13,771.

(4528) Sydney, 25th August, 1939.

CANCELLATION OF ROAD PERMITS.

IT is hereby notified that the road permits specified hereunder have been cancelled in accordance with the provisions of section 202 (5) (a), Crown Lands Consolidation Act, 1913.

COLIN A. SINCLAIR, Minister for Lands.

LAND DISTRICT—BARMEDMAN; SHIRE—BLAND.

Parish Waarbilla, county Bland; Road Permit 25-1; Louis Sydney Gorham. Pks. 39-6,839.

LAND DISTRICT—GRAFTON; SHIRE—ORARA.

Parish Dundoo, county Clarence; Road Permit 38-2; F. H. McKittrick. S. 39-13,138.

NOTE.—The above permits are cancelled as from the dates to which rentals are paid.

(4529) Sydney, 25th August, 1939.

REVERSAL OF FORFEITURE OF HOLDING.

IT is hereby notified that the forfeiture of the holding hereunder particularised has been reversed.

COLIN A. SINCLAIR, Minister for Lands.

LAND DISTRICT—BRAIDWOOD; SHIRE—TALLAGANDA.

Parish Palerang, county Murray; C.P. 02-2, portion 15, 50 acres; holder, Susan White, administratrix of Robert White, deceased. S. 37-845.

(4531) Sydney, 25th August, 1939.

ALTERATION OF LAND DISTRICT AND TERRITORIAL BOUNDARIES.

IT is hereby notified that, in accordance with the provisions of sections 7 and 8, Crown Lands Consolidation Act, 1913, the land described hereunder within the Land Districts of Albury and Urana, Eastern and Central Divisions, shall be and is hereby declared to be wholly within the Land District of Urana, Central Division.

COLIN A. SINCLAIR, Minister for Lands.

County of Hume, parish of Ryan, being the lands within measured portion 16. H. 4,035-1,668 roll. C.S. & R.S.S. 5,692-92.

(4532) Sydney, 25th August, 1939.

IT is hereby notified that, in pursuance of the provisions of the 36th section of the Closer Settlement Act, 1904, the settlement purchase particularised hereunder, all rights attached to such purchase and all moneys paid in connection therewith, are hereby forfeited for the season mentioned.

COLIN A. SINCLAIR, Minister for Lands.

LAND DISTRICT—GOSFORD; SHIRE—ERINA.

Parish Tuggerah, county Northumberland; Settlement Purchase 1927-1, Littlewood's Settlement Purchase Area; portion 167, 30 acres 2 roods 27 perches; Norman Alfred Reuben Binns. Reason for forfeiture—non-payment of instalment of purchase money. Plan N. 5,504-2,111. C.S. & R.S.S. 2,835-12.



(7196)

IT is hereby notified that Special Leases of the lands specified in the annexed Schedule have been granted to the undermentioned persons.

The leases are subject to the provisions of the Crown Lands Consolidation Act, 1913, and the Regulations thereunder, and to the special conditions, provisions, exceptions, covenants, and reservations set out at the foot of the Schedule.

Rent is subject to adjustment on survey as from the commencement of the next year ensuing.

## NOTIFICATION OF GRANTING OF SPECIAL LEASES.

*Any amounts which have been paid in excess will be refunded upon application to the Under Secretary for Lands. If not claimed, the amounts will be appropriated to future charges as they fall due.*

*Any amount required to complete payment of expenses and rent from the date of the commencement of lease to 31st December, 1949, must be paid by the lessee to the Crown Land Agent of the District or to the Under Secretary for Lands, within one month from this date, otherwise the lease*

Sydney, 13th May, 1949.

*will be liable to forfeiture, and should forfeiture be declared all moneys lodged with the application will become forfeited to the Crown.*

For the year 1950 and any subsequent year the rentals and instalments of survey fee (if any) must be paid during the month of December of the preceding year.

E. H. GRAHAM, Acting Minister for Lands.

## SCHEDULE.

Reg. No. of Papers.	No. of Lease.	Name and Address of Lessee.	Situation and Area of Land.	Purpose of Lease.	Term of Lease.	Annual Rent.	Expenses.			Amount already paid as Rent, Deposit and Survey Fee.	Balance.		Shire or Municipality.
							Rent required to complete payment to 31st Dec., 1949.	(1) Inspection, etc., (2) Survey Fee (part only).			Payable by Lessee.	Due to Lessee.	
Leases. 1948-10527	1945-2, Balranald South.	Haeusler, John Albert, c/o. P.O., Tooleybuc.	Parish Tooleybuc, county Wakool, portion 63. Area, about 14 acres 1 rood 6 perches.	Vegetable garden.	1 Dec., 1945, to 31 Dec., 1959.	£ s. d. 1 12 6a	£ s. d. 6 12 9	£ s. d. (1) 2 0 0 (2) 0 9 4	£ s. d. 3 10 0	£ s. d. 5 12 1	.....	.....	Wakool.
1948-10527	1945-3, Balranald South.	Ryan, William James, of Balranald.	Parish Tooleybuc, county Wakool, portion 62. Area, about 12 acres 0 roods 25 perches.	Residence and vegetable garden.	1 Dec., 1945, to 31 Dec., 1959.	1 10 0b	6 2 7	(1) 2 0 0 (2) 0 9 4	4 10 0	4 1 11	.....	.....	Wakool.
1948-10528	1946-46, Bega.	Middleton, Albert Victor, of Bermagui South.	Parish Bermagui, county Dampier, portion 158. Area, 36 acres 30 perches.	Grazing and agriculture.	1 May, 1949, to 31 Dec., 1958.	1 8 0c	2 16 0d	(1) 2 0 0 (2) 0 10 8	3 10 8	1 16 0	.....	.....	Mumbulla.
1948-7818	1947-91, Bellingen.	Gardiner, Arthur James, of Combine-street, Coff's Harbour.	Parish Bonville, county Raleigh, portion 194; R. 3,006-1,714. Area, 3 acres 2 roods.	Residence and orchard (banana growing).	1 Mar., 1949, to 31 Dec., 1958.	2 12 0	2 3 7	(1) 2 7 6 (2) 0 8 8	3 11 7e	1 8 2	.....	.....	Bellingen.
1948-8792	1948-80, Bellingen.	Dawson, Darwin, of Tyringham.	Parish Moonpar, county Fitzroy, bounded on the north by portion 16, on the east by portion 19 and road, on the south by portion 14, on the west by a northerly prolongation of the western boundary of portion 14. Area, about 16 acres, inclusive of road.	Grazing ...	1 Jan., 1948, to 31 Dec., 1961.	2 0 0f	4 0 0	(1) 1 10 0 (2) .....g	3 8 10	2 1 2	.....	.....	Nymboida.
1948-10731	1948-40, Casino.	Hutton, George William, Braid, John Avery (executors of the estate of John Braid, deceased), c/o. R. Taylor Esq., Solicitor, P.O. Box 67, Tenterfield.	Parish Hamilton, county Drake, portion 75; D. 768-1,743. Area, 880 acres (ex. road).	Grazing ...	9 July, 1948, to 31 Dec., 1958.	14 13 4	22 4 4u	(1) ..... (2) .....h	4 14 8	17 9 8	.....	.....	Copmanhurst.

NOTIFICATION OF GRANTING OF SPECIAL LEASES—continued.

Reg. No. of Papers.	No. of Lease.	Name and Address of Lessee.	Situation and Area of Land.	Purpose of Lease.	Term of Lease.	Annual Rent.	Expenses.			Amount already paid as Rent, Deposit and Survey Fee.	Balance.		Shire or Municipality.
							Rent required to complete payment to 31st Dec., 1949.	(1) Inspection, etc., (2) Survey Fee (part only).			Payable by Lessee.	Due to Lessee.	
Leases.						£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
1948-7392	1947-7, Cooma.	Bowerman, Stanley Alfred, of Bredbo.	Parish Bransby, county Beresford, portion 121. Area, 1 acre 1 rood.	Residence ...	1 Jan., 1947, to 31 Dec., 1960.	1 0 0	3 0 0	(1) .....	6 0 0j	.....	.....	3 0 0	Monaro.
1949-3061	1946-115, Grafton.	Hannah, Roy, of Section 3, Roadside, Maclean.	Parish Nanegai, county Clarence, town of Iluka, allotment 13, section 15; I. 36-2,077. Area, 1 rood.	Residence ...	24 April, 1949, to 31 Dec., 1976.	2 12 0k	1 15 11	(1) 0 12 6 (2) 0 8 8	3 8 8	.....	.....	0 11 7	Harwood.
1949-3067	1948-89, Grafton.	Parkes, Robert Scott, of Eltham, via Lismore.	Parish Nanegai, county Clarence, town of Iluka, allotment 6, section 16; I. 36-2,077. Area, 1 rood.	Residence ...	24 April, 1949, to 31 Dec., 1976.	2 12 0l	1 15 11	(1) .....	3 8 8	.....	.....	1 4 1	Harwood.
1949-2877	1947-18, Grafton.	McCormick, Elsie May (Mrs.), of 29 Henson-street, Brighton-le-Sands.	Parish Nanegai, county Clarence, town of Iluka, allotment 10, section 10; I. 23-2,077. Area, 1 rood.	Residence ...	28 April, 1949, to 31 Dec., 1976.	2 12 0l	1 15 4	(1) .....	3 8 8	.....	.....	1 4 8	Harwood.
1949-3035	1948-55, Grafton.	McLaughlin, James, c/o. Foott, Law & Co., Solicitors, 56 Victoria-street, Grafton.	Parish Corindi, county Fitzroy, being W.R. 20,657. Area, about 10 acres.	Grazing ...	23 April, 1949, to 31 Dec., 1962.	1 0 0	0 13 10	(1) 0 12 6 (2) 0 8 8	3 8 8	.....	.....	1 13 8	Dorrigo.
1949-3028	1948-75, Grafton.	Rieson, Phyllis May, (Mrs.), of Trafalgar-street, Woolgoolga.	Parish and village Woogoolga, county Fitzroy, portion 226; F. 4,017-1,810. Area, 32 perches.	Residence ...	21 April, 1949, to 31 Dec., 1976.	2 12 0l	1 16 4	(1) .....	3 8 8	.....	.....	1 3 8	Dorrigo.
1948-10754	1946-15, Kempsey.	Peterkin, Alexander, of Taylors Arm.	Parish Denison, county Raleigh, portion Sp. L. 18-8, Ms. 249 Kay. Area, 122 acres 1 rood (ex. road).	Grazing ...	1 Jan., 1946, to 31 Dec., 1952.	1 5 6	5 2 0	(1) 1 3 6 (2) .....	5 19 6n	0 6 0	.....	.....	Nambucca.
1948-10755	1946-38, Kempsey.	Blanch, Frederick, of Jerseyville.	Parish Arakoon, county Macquarie, portion 30; M. 3,515-666. Area, 150 acres 2 roads (ex. road).	Bee farm ...	5 April, 1949, to 31 Dec., 1962.	2 6 6	1 14 6	(1) 1 2 6 (2) 0 16 0	3 16 0	.....	.....	0 3 0	Macleay.
1948-10756	1946-61, Kempsey.	Bryant, Thomas (Jnr.), of Lower Creek.	Parish Mowle, county Clarke, portion 50; C. 2,415-1,867. Area, 90 acres 1 rood.	Grazing ...	1 May, 1949, to 31 Dec., 1962.	1 10 0	1 0 2	(1) .....	3 13 4	.....	.....	1 19 2	Dumaresq.
1948-10757	1947-1, Kempsey.	Cooper, Herbert, of Jerseyville, Macleay River.	Parish Arakoon, county Macquarie, portion 312; M. 7,103-666. Area, 18 acres 1 rood.	Grazing ...	1 Jan., 1947, to 31 Dec., 1953.	4 0 0	12 0 0	(1) 2 0 0 (2) .....	6 2 0p	7 18 0	.....	.....	Macleay.
1948-10735	1948-10, Kempsey.	Macleay Shire Council, c/o. The Shire Clerk, P.O. Box 3, West Kempsey.	Parish Yarravel, county Dudley, portion 248; D. 2,273-1,505. Area, 3 roads 26½ perches.	Depot ...	1 May, 1949, to 31 Dec., 1962.	1 0 0	0 13 5	(1) .....	3 8 8	.....	.....	2 6 7	Macleay.
1948-8551	1947-67, Lismore.	Wotherspoon, Olive Mary (Mrs.), of Moerschaum Vale.	Parish Bingal, county Rous, portion 33; R. 9,146-1,739. Area, 23 acres 2 roads 20 perches (ex. Pine-street and including lane).	Residence and orchard.	1 May, 1949, to 31 Dec., 1955.	1 0 0l	0 13 5	(1) .....	3 10 0	.....	.....	2 6 7	Tintenbar.
1948-859	1947-96, Metropolitan.	Noble, Sidney Herbert, of 252 Unwins Bridge road, St. Peters.	Parish Sutherland, county Cumberland, portion 935. Title restricted to surface and depth of 50 feet. Area, about 4 acres 0 roads 5 perches.	Residence, poultry farm and orchard.	27 April, 1949, to 31 Dec., 1958.	2 0 0q	1 7 3	(1) 2 0 0 (2) 0 8 8	3 9 4	0 6 7	.....	.....	Sutherland.

NOTIFICATION OF GRANTING OF SPECIAL LEASES—continued.

Reg. No. of Papers.	No. of Lease.	Name and Address of Lessee.	Situation and Area of Land.	Purpose of Lease.	Term of Lease.	Annual Rent.	Expenses.		Amount already paid as Rent, Deposit and Survey Fee.	Balance.		Shire or Municipality.
							Rent required to complete payment to 31st Dec., 1949.	(1) Inspection, etc., (2) Survey Fee (part only).		Payable by Lessee.	Due to Lessee.	
<b>Leases.</b>												
1948-11138	1948-600, Metropolitan.	Albon, Stanley Leonard, of Moons - avenue, Lugarno.	Parish St. George, county Cumberland, portion 374. Title restricted to surface and depth of 50 feet. Area, 1 rood 4 perches.	Residence ...	1 May, 1949, to 31 Dec., 1958.	£ s. d. 1 8 0q	£ s. d. 0 18 10	(1) 1 0 0 (2) 0 8 8	£ s. d. 3 8 8	£ s. d. .....	£ s. d. 1 1 2	Hurstville.
1948-9942	1948-1, Moruya.	Holmes, Douglas Albert, of 12 Palace-street, Ashfield.	Parish East Nelligen, county St. Vincent, part of reservation fronting portion 47. Area, about 8 acres.	Access ...	1 Jan., 1948, to 31 Dec., 1957.	1 0 0	2 0 0	(1) ..... (2) .....r	3 8 8	.....	1 8 8	Eurobodalla.
1948-9941	1948-10, Moruya.	Hann, Aubrey Celwyn, of 31 Ryries-parade, Cremorne.	Parish West Nelligen, county St. Vincent, portion 113; V. 2,574-2,013. Area, 19 acres.	Residence (week-end) and erection of buildings.	16 Nov., 1948, to 31 Dec., 1975	3 0 0q	3 7 7	(1) 2 2 0 (2) 0 9 4	3 9 4	2 9 7	.....	Eurobodalla.
1947-4621	1945-20, Mudgee.	Dykes, Martha Alma (Mrs.), Box 19, Cullenbone, Mudgee.	Parishes Galambine and Piambong, counties Phillip and Wellington, portions 54 and 119; P. 4,367-2,091, W. 5,941-2,091. Area, 3 acres 3 roods 32 perches.	Poultry farm and vegetable garden.	1 May, 1949, to 31 Dec., 1958.	1 0 0	0 13 5	(1) 1 12 6 (2) 0 8 8	3 8 6	.....	0 13 11	Gulgong.
1948-2530	1946-77, Nowra.	McCauley, Sidney Ernest, of Termeil.	Parish Termeil, county St. Vincent, portion 137. Title restricted to surface and depth of 50 feet. Area, about 46 acres 1 rood.	Residence and grazing.	1 May, 1949, to 31 Dec., 1958	1 10 0	1 0 2	(1) 2 0 0 (2) 0 11 4	3 11 4	0 0 2	.....	Clyde.
1949-320	1944-17, Penrith.	Turton, Charles Henry, Camden-road, Kingswood.	Parish Claremont, county Cumberland, portions 66, 67, 68; C. 6,325-2,030. Title restricted to surface and depth of 50 feet. Area, 2 acres 3 roods 39 perches.	Residence and poultry farm.	10 May, 1949, to 31 Dec., 1958.	4 0 0q	2 11 9	(1) 1 7 6 (2) 0 8 8	3 8 8	0 19 3	.....	Penrith.
1949-320	1945-4, Penrith.	Towns, Gordon Spencer, Bringelly-road, Kingswood.	Parish Claremont, county Cumberland, portion 65; C. 6,325-2,030. Title restricted to surface and depth of 50 feet. Area, 3 roods.	Residence ...	10 May, 1949, to 31 Dec., 1958.	2 0 0q	1 5 10	(1) 1 7 6 (2) 0 8 8	3 8 8	.....	0 6 8	Penrith.
1947-10337	1946-7, Penrith.	Hillsmith, Roy, of Chapman-parade, Springwood.	Parish Coomassie, county Cook, portion 94; C. 2,426-1,507. Title restricted to surface and depth of 50 feet. Area, 25 acres 0 roods 10 perches.	Poultry farm	1 May, 1949, to 31 Dec., 1958.	1 11 4q	1 0 11	(1) 3 5 0 (2) 0 10 0	3 10 0s	1 5 11	.....	Blue Mountains.
1948-11055	1948-2, Temora.	Narraburra Shire Council, c/o. The Shire Clerk, P.O. Box 92, Temora.	Parish Mandamah, county Bourke, being within Reserve 71,995 for quarry purposes. Area, about 37 acres 2 roods.	Quarry ...	1 May, 1949, to 31 Dec., 1958.	5 0 0	3 7 1	(1) ..... (2) 0 10 8	3 10 8	0 7 1	.....	Narraburra.
1948-11053	1948-4, Temora.	Richards, George Henry, of Beckom.	Parish Arish, county Bourke, portions 15 and 16; B. 4,246-1,806. Area, 17 acres 0 roods 32 perches (including designed road).	Grazing ...	1 May, 1949, to 31 Dec., 1962.	5 0 0q	3 7 1	(1) 1 9 6 (2) 0 9 4	3 9 4	1 16 7	.....	Coolamon.



NOTIFICATION OF GRANTING OF SPECIAL LEASES—continued.

Reg. No. of Papers.	No. of Lease.	Name and Address of Lessee.	Situation and Area of Land	Purpose of Lease.	Term of Lease.	Annual Rent.	Expenses.		Amount already paid as Rent, Deposit and Survey Fee.	Balance.		Shire or Municipality.
							Rent required to complete payment to 31st Dec., 1949.	(1) Inspection, etc., (2) Survey Fee (part only).		Payable by Lessee.	Due to Lessee.	
<b>Leases.</b> 1949-10274	1943-1, Wellington.	Dutfield, Bertie Leslie, of Omegal, Stuart Town.	Parish Ironbarks, county Wellington, bounded on the east by portions 281 and 216, on the southern boundary by portion 214, on the west by a strip separating the land leased from portions 239, 278, 286 and 287, and on the north by road; W. 4,724-2,091. Area, about 33 acres.	Grazing ...	1 May, 1949, to 31 Dec., 1962.	£ s. d. 1 13 0	£ s. d. 1 2 2	£ s. d. (1) 6 11 3 (2) 0 10 8	£ s. d. 3 10 8	£ s. d. 4 13 5	.....	Macquarie.
1949-290	1946-123, Newcastle.	Lanham, George, of King-street, Birmingham Gardens, Wallsend.	Parish Kahibah, county Northumberland, portion 753. Title restricted to surface and depth of 50 feet. Area, 24½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 9 0	1 12 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 1	Lake Macquarie.
1949-290	1947-33, Newcastle.	Kemp, Albert Alexander, of 22 Kitchener-parade, Mayfield East.	Parish Kahibah, county Northumberland, portion 614. Title restricted to surface and depth of 50 feet. Area, 20½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 8 0	1 12 3	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 9	Lake Macquarie.
1949-290	1947-60, Newcastle.	Lindsay, James Miller, of 20 Pokolbin-road, Broadmeadow.	Parish Kahibah, county Northumberland, portion 619. Title restricted to surface and depth of 50 feet. Area, 21½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 6 0	1 10 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 19 1	Lake Macquarie.
1949-290	1948-12, Newcastle.	White, William Edward, of 32 Turea-street, Pelican Flats.	Parish Kahibah, county Northumberland, portion 723. Title restricted to surface and depth of 50 feet. Area, 24½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 8 0	1 12 3	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 9	Lake Macquarie.
1949-290	1948-21, Newcastle.	Baldwin, Daniel, of 3 William-street, Adamstown.	Parish Kahibah, county Northumberland, portion 1,282. Title restricted to surface and depth of 50 feet. Area, 24 perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 15 0	1 16 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 13 1	Lake Macquarie.
1949-290	1948-37, Newcastle.	Reay, Harold Septimus, of 3 Smith-street, Charlestown.	Parish Kahibah, county Northumberland, portion 621. Title restricted to surface and depth of 50 feet. Area, 21½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 6 0	1 10 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 19 1	Lake Macquarie.
1949-290	1948-40, Newcastle.	Mitchell, Eric William, of 14 Sketchley-parade, New Lambton.	Parish Kahibah, county Northumberland, portion 755. Title restricted to surface and depth of 50 feet. Area, 24½ perches.		1 May, 1949, to 31 Dec., 1955.	2 14 0	1 16 3	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 13 9	Lake Macquarie.
1949-290	1948-42, Newcastle.	Gibson, Frank William, of Curney-street, Wallsend.	Parish Kahibah, county Northumberland, portion 1,271. Title restricted to surface and depth of 50 feet. Area, 24 perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 15 0	1 16 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 13 1	Lake Macquarie.
1949-290	1948-51, Newcastle.	Rowbottom, Maud, of Pelican Flats.	Parish Kahibah, county Northumberland, portion 735. Title restricted to surface and depth of 50 feet. Area, 24 perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 15 0	1 16 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 13 1	Lake Macquarie.

## NOTIFICATION OF GRANTING OF SPECIAL LEASES—continued.

Reg. No. of Papers.	No. of Lease.	Name and Address of Lessee.	Situation and Area of Land.	Purpose of Lease.	Term of Lease.	Annual Rent.	Expenses.		Amount already paid as Rent, Deposit and Survey Fee.	Balance.		Shire or Municipality.
							Rent required to complete payment to 31st Dec., 1949.	(1) Inspection, etc., (2) Survey Fee (part only).		Payable by Lessee.	Due to Lessee.	
Leases. 1949-290	1948-59, Newcastle.	Amos, John, of 37 Piriwal-street, Pelican.	Parish Kahibah, county Northumberland, portion 1,283. Title restricted to surface and depth of 50 feet. Area, 24½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	£ s. d. 2 8 0	£ s. d. 1 12 3	£ s. d. (1) 0 10 0 (2) 0 8 8	£ s. d. 3 8 8	£ s. d. .....	£ s. d. 0 17 9	Lake Macquarie.
1949-290	1948-75, Newcastle.	Ferry, Ernest Victor, of 101 Chatham-road, Broadmeadow.	Parish Kahibah, county Northumberland, portion 751. Title restricted to surface and depth of 50 feet. Area, 26½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 9 0	1 12 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 1	Lake Macquarie.
1949-290	1948-81, Newcastle.	Renfrew, Margaret, of Pelican Flat.	Parish Kahibah, county Northumberland, portion 750. Title restricted to surface and depth of 50 feet. Area, 24½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 9 0	1 12 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 1	Lake Macquarie.
1949-290	1948-88, Newcastle.	Diver, Betty Florence, of 34 Lake View parade, Pelican.	Parish Kahibah, county Northumberland, portion 725. Title restricted to surface and depth of 50 feet. Area, 24½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 8 0	1 12 3	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 9	Lake Macquarie.
1949-290	1948-104, Newcastle.	Waugh, Samuel, of 420 Pacific Highway, Belmont.	Parish Kahibah, county Northumberland, portion 710. Title restricted to surface and depth of 50 feet. Area, 27½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 8 0	1 12 3	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 9	Lake Macquarie.
1949-290	1948-29, Newcastle.	Toner, John Walter, c/o. W. C. Walker, of The Crescent, Wallsend.	Parish Kahibah, county Northumberland, portion 754. Title restricted to surface and depth of 50 feet. Area, 24½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 9 0	1 12 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 1	Lake Macquarie.
1949-290	1946-106, Newcastle.	Plain, Percival Gordon, of 16 Beaumont-street Hamilton.	Parish Kahibah, county Northumberland, portion 752. Title restricted to surface and depth of 50 feet. Area, 30½ perches.	Residence ...	1 May, 1949, to 31 Dec., 1955.	2 9 0	1 12 11	(1) 0 10 0 (2) 0 8 8	3 8 8	.....	0 17 1	Lake Macquarie.

a Inclusive of 12s. 3d. rent for use of Crown improvements.<sup>1</sup> b Inclusive of 10s. 7d. rent for use of Crown improvements. c Inclusive of 8s. rent for use of Crown improvements. d Including rent for use and occupation of the land from 1st January, 1948, to date of commencement of the lease. e Inclusive of 2s. 11d. overpaid rent applied from Permissive Occupancy 1922-19, terminated from 28th February, 1949. f Inclusive of 14s. 3d. rent for use of Crown improvements. g Survey fee be not charged, it having been paid on Special Lease 1932-35. h Survey fee be not charged, it having been paid on Conditional Lease 1908-103. i Survey fee be not charged, it having been paid on Special Lease 1936-25. j Including £4 applied from withdrawn application for extension of term of Special Lease 1936-25. k Subject to appraisalment as provided by Special Condition "D" annexed to the lease. l Subject to appraisalment as provided by Special Condition "B" annexed to the lease. m Survey fee be not charged, it having been paid on Special Lease 1918-8. n Inclusive of £2 19s. 6d. overpaid rent applied from Special Lease 1918-8. o Survey fee be not charged, it having been paid on Special Lease 1919-1. p Inclusive of £3 2s. overpaid rent applied from Special Lease 1919-1. q Subject to appraisalment as provided by Special Condition "A" annexed to the lease. r Survey fee be not charged, it having been paid on Special Lease 1919-2. s Including £2 6s. applied from withdrawn Conditional Purchase Application 1946-1. t Inclusive of £1 8s. 4d. rent for use of Crown improvements. u Including 9s. 7d. arrears of interest on expired C.L. 08-103.

FOR SPECIAL CONDITIONS, ETC., SEE NEXT PAGE.



## NOTIFICATION OF GRANTING OF SPECIAL LEASES—continued.

## SPECIAL CONDITIONS, PROVISIONS, EXCEPTIONS, COVENANTS, AND RESERVATIONS.

Special Leases 1945-2 and 1945-3, Balranald South; 1946-38, Kempsey. J. A. Haessler, W. J. Ryan, and F. Blanch, respectively.—The leases shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940).

Special Lease 1946-46, Bega. A. V. Middleton.—The lease shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special condition:—An average of not less than five (5) matured or semi-matured trees of honey-producing value shall be left to each acre for shade, shelter and honey provision.

Special Lease 1947-91, Bellingen. A. J. Gardiner.—The lease shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence. (b) Upon forfeiture, surrender or expiration of the period of the lease, the lessee shall, within a period of three (3) months, if called upon to do so, thoroughly eradicate and destroy all banana plantations on the land leased.

Special Lease 1948-80, Bellingen. D. Dawson.—The lease shall be subject to subsections 1, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special condition:—Gates shall be erected on roads within the land leased when and where directed by the District Surveyor for public use and, together with approaches thereto, shall be maintained in good order to the satisfaction of the District Surveyor.

Special Lease 1948-40, Casino. G. W. Hatton and J. A. Braid, executors of the estate of J. Braid, deceased.—The lease shall be subject to subsections 1, 2, 4, 5, 7 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special condition:—Subject to tenant right, if any, held by the holder of Conditional Lease 08-103, Casino, in any improvements effected during the currency of that lease all improvements on the land shall, upon forfeiture, surrender or expiration of the period of this lease, become the property of the Crown and no compensation shall be payable therefor but upon application within one (1) month after such forfeiture, surrender or expiration the Minister may permit the former lessee to remove any movable improvements effected by him or at his expense. In all cases where such permission has been given the improvements must be removed within three (3) months after the date of forfeiture, surrender or expiration.

Special Lease 1947-7, Cooma. S. A. Bowerman.—The lease shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special condition:—Lessee shall reside for the whole term of the lease on the land leased. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence.

Special Lease 1946-115, Grafton. R. Hannah.—The lease shall be subject to subsections 1, 2, 4 to 12, 18 to 20 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence. (b) If at any time during the currency of the lease the Crown shall pay a contribution towards the cost of kerbing and/or paving and/or guttering along the frontage of the land leased, the lessee shall from the date of such payment and thereafter during the currency of the lease, pay interest at the rate of four per cent. (4%) per annum on the cost of such contribution. (c) The right is reserved

to the Minister to withdraw from the lease at any time and from time to time for any purpose in connection with the Deep Sea Port and or Railway investigation and or construction without any compensation whatsoever for the land and improvements thereon or for severance. In the event of withdrawal as aforesaid, the lessee may, subject to the approval of the Minister, remove any movable improvements. (d) The rent for the last seven (7) years of the term of the lease may be reappraised at the request of the lessee or on reference by the Minister made during the first six (6) months of that period. (e) A breach of any of the conditions or a conviction under the Public Health Acts will render the lease liable to forfeiture.

Special Leases 1947-18, 1948-89, Grafton. E. M. McCormick and R. S. Parkes, respectively.—The leases shall be subject to subsections 1, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence. (b) For the purpose of apportionment of rent, the term of the lease shall be divided into four (4) periods, the first of about six (6) years and the second, third and fourth of seven (7) years each. The rent for each of the second, third and fourth periods may be reappraised either upon reference by the Minister or at the request of the lessee made during the first six (6) months of the affected period. (c) If at any time during the currency of the lease the Crown shall pay a contribution towards the cost of kerbing and/or paving and/or guttering along the frontage of the land leased, the lessee shall from the date of such payment and thereafter during the currency of the lease, pay interest at the rate of four per cent. (4%) per annum on the cost of such contribution. (d) The right is reserved to the Minister to withdraw from the lease at any time and from time to time for any purpose in connection with the Deep Sea Port and or Railway investigation and or construction without any compensation whatsoever for the land and improvements thereon or for severance. In the event of withdrawal as aforesaid, the lessee may, subject to the approval of the Minister, remove any movable improvements.

Special Lease 1948-55, Grafton. J. McLaughlin.—The lease shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The land leased shall, during the whole currency of the lease, be open to the use of bona-fide travellers, travelling stock, teamsters, and carriers without interference or annoyance by lessee. The lessee must not overstock wholly or in part the area leased, the decision as to overstocking to rest with the Minister. (b) An average of not less than five (5) matured or semi-matured trees of honey-producing value shall be left to each acre for shade, shelter, and honey provision.

Special Lease 1948-75, Grafton. P. M. Rieson.—The lease shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence. (b) For the purpose of apportionment of rent, the terms of the lease shall be divided into four (4) periods, the first of about six (6) years, and the second, third and fourth of seven (7) years each. The rent for each of the second, third and fourth periods may be reappraised either upon reference by the Minister or at the request of the lessee made during the first six (6) months of the affected period. (c) If at any time during the currency of the lease the Crown shall pay a contribution towards the cost of kerbing and/or guttering along the frontage of the land leased, the lessee shall from date of such payment and thereafter during the currency of the lease, pay interest at the rate of four per cent. (4%) per annum on the cost of such contribution.



## NOTIFICATION OF GRANTING OF SPECIAL LEASES—continued.

## SPECIAL CONDITIONS, PROVISIONS, EXCEPTIONS, COVENANTS, AND RESERVATIONS—continued.

Special Lease 1946-15, Kempsey. A Peterkin.—The lease shall be subject to subsections 1, 2, 4 to 22, and 23 of Regulation No. 106 (notified 2nd August, 1940).

Special Lease 1946-61, Kempsey. T. Bryant, junior.—The lease shall be subject to subsections 1, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940).

Special Lease 1947-1, Kempsey. H. Cooper.—The lease shall be subject to subsections 1, 4 to 17, 19, 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The lessee shall not remove or disturb the stones in the training wall or in any way interfere therewith. (b) The right is reserved to picnic and fishing parties to use the land leased, and to erect tents and camp thereon free of charge by lessee. (c) The lessee shall at his own cost remove any structure erected by him on the foreshore and shall leave the land clear and to the satisfaction of the Minister at the expiration of the lease or upon other determination thereof.

Special Lease 1948-10, Kempsey. The Macleay Shire Council.—The lease shall be subject to subsections 1, 3 to 17, 19, 20, and 23 of Regulation No. 106 (notified 2nd August, 1940).

Special Lease 1947-67, Lismore. O. M. Wotherspoon.—The lease shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence. (b) The rent for the last five (5) years of the term of the lease may be reappraised either at the request of the lessee or on reference by the Minister made during the first six (6) months of such period. (c) Gates shall be erected on the lane within the land leased when and where directed by the District Surveyor for public use and together with approaches thereto, shall be maintained in good order to the satisfaction of the District Surveyor. (d) No structure shall be erected or works undertaken on the lane within the land leased. Such lane shall not be cultivated or used for any purpose not compatible with the use of the lane by the public.

Special Lease 1947-95, Metropolitan. S. H. Noble.—The lease shall be subject to subsections 1, 2, 4 to 20, 22A, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The rent for the last five (5) years of the term of the lease may be reappraised either upon reference by the Minister or at the request of the lessee made during the first six (6) months of such period. (b) No buildings shall be erected on the land leased except in accordance with plans and specifications approved by the Sutherland Shire Council. (c) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence.

Special Lease 1948-600, Metropolitan. S. L. Albon.—The lease shall be subject to subsections 1 and 2, 4 to 20, 22A, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The rent for the last five (5) years of the term of the lease may be reappraised either upon reference by the Minister or at the request of the lessee made during the first six (6) months of such period. (b) No buildings shall be erected on the land leased except in accordance with plans and specifications approved by Hurstville

Municipal Council. (c) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence.

Special Lease 1948-1, Moruya. D. A. Holmes.—The lease shall be subject to subsections 1 to 4, 6 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The lease shall not be held separately from portion 47 adjoining. (b) Access by the public along the foreshore of the Clyde River shall not be interfered with.

Special Lease 1948-10, Moruya. A. C. Hann.—The lease shall be subject to subsections 1, 2, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) For the purpose of appraisal of rent the term of the lease shall be divided into four (4) periods, the first of about six (6) years, and the second, third and fourth of seven (7) years each. The rent for each of the second, third and fourth periods may be reappraised either upon reference by the Minister or at the request of the lessee made during the first six (6) months of the affected periods. (b) All buildings erected on the land shall be located in accordance with a design to be prepared by the lessee and approved by the District Surveyor. (c) No building shall be erected within 25 feet of any frontage and the minimum distance of the external walls of each building from the external walls of any other building shall be 50 feet. (d) All buildings erected shall be in accordance with plans and specifications approved by the Eurobodalla Shire Council. (e) The lessee shall keep the lease in a clean and tidy condition and free from accumulation of garbage to the satisfaction of the Minister. (f) If at any time during the currency of the lease the Crown shall pay a contribution towards the cost of kerbing and/or guttering along the frontage of the land leased or within the land leased the lessee shall from date of such payment and thereafter during the currency of the lease, pay interest at the rate of four (4) per centum per annum on the amount of such contribution. (g) An average of not less than five (5) matured or semi-matured trees of honey-producing value shall be left to each acre for shade, shelter and honey provision. (h) Upon determination of the lease by forfeiture, effluxion of time or otherwise the lessee shall, if required by the Minister, in writing, to do so, and within such time as may be given, remove all or any buildings, plant and material and leave the land in a clean and tidy condition to the satisfaction of the Minister. (i) The right is reserved to the Minister to determine the maximum rental which may be charged for any building erected on the land, provided a recommendation by the Local Land Board is first furnished in respect of the matter.

Special Lease 1945-20, Mudgee. Mrs. M. A. Dykes.—The lease shall be subject to subsections 1, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) No structures of a permanent or substantial nature shall be erected on that part of the land leased within portion 54, parish Galambine, lying to the north of the Cudgegong River. (b) The public shall have free access along and near the bank of the Cudgegong River for quiet enjoyment, but such shall not be construed in any way to include shooting, trapping, hunting or similar pursuits which are hereby debarred and a person so offending shall be considered a trespasser.

Special Lease 1946-77, Nowra. S. E. McCauley.—The lease shall be subject to subsections 1 and 2, 4 to 20, 22A, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special condition:—An average of not less than five (5) matured or semi-matured trees of honey-producing value shall be left to each acre for shade, shelter and honey provision.



NOTIFICATION OF GRANTING OF SPECIAL LEASES—*continued.*SPECIAL CONDITIONS, PROVISIONS, EXCEPTIONS, COVENANTS, AND RESERVATIONS—*continued.*

Special Lease 1944-17, Penrith. C. H. Turton.—The lease shall be subject to subsections 1, 2, 4 to 20, 22A, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The rent for the last five (5) years of the term of the lease may be reappraised either upon reference by the Minister or at the request of the lessee made during the first six (6) months of such period. (b) No buildings shall be erected upon the land leased, except in accordance with plans and specifications approved by the St. Mary's Municipal Council. (c) Lessee shall reside for the whole term of the lease upon the land leased. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence. (d) Substantial structural improvements, other than boundary fencing, shall be confined to one of the measured portions.

Special Lease 1945-4, Penrith. G. S. Towns.—The lease shall be subject to subsections 1, 2, 4 to 20, 22A, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The rent for the last five (5) years of the term of the lease may be reappraised either upon reference by the Minister or at the request of the lessee made during the first six (6) months of such period. (b) No buildings shall be erected upon the land leased, except in accordance with plans and specifications approved by the St. Mary's Municipal Council. (c) Lessee shall reside for the whole term of the lease upon the land leased. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence.

Special Lease 1946-7, Penrith. R. Hillsmith.—The lease shall be subject to subsections 1, 2, 4 to 20, 22A, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The rent for the last five (5) years of the term of the lease may be reappraised either upon reference by the Minister or at the request of lessee made during the first six (6) months of such period. (b) No buildings shall be erected on the land leased except in accordance with plans and specifications approved by Blue Mountains Shire Council. (c) An average of not less than five (5) matured or semi-matured trees of honey-producing value shall be left to each acre for shade, shelter and honey provision.

Special Lease 1948-2, Temora. Narraburra Shire Council.—The lease shall be subject to subsections 1, 4, 6 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The lessee shall indemnify and keep indemnified the Crown from and against all actions, suits, claims, and demands of whatsoever nature, and all costs, charges and expenses which may be brought against him, or which he may incur in respect of any accident or injury to any person or property which may arise out of the construction, maintenance, or working of any quarries, pits, or working now existing or to be made by the lessee within the boundaries of this lease or during its currency, notwithstanding that the conditions of this lease shall in all respects have been observed by the lessee, or that any such accident or injury shall arise from any act or thing which he may be licensed or compelled to do hereunder. (b) The lessee shall, by means of substantial stock-proof fencing, safeguard all excavations or workings over 3 feet in depth, and shall, immediately upon the expiration or other determination of the lease, either break down to a batter of not less than one in three the walls of all excavations or workings over 3 feet in depth, or fill up or leave securely fenced to the satisfaction of the Minister all excavations or workings.

Special Lease 1948-4, Temora. G. H. Richards.—The lease shall be subject to subsections 1, 4 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) An average of not less than five (5) matured or semi-matured

trees of honey-producing value shall be left for shade, shelter and honey provision. (b) Lessee shall carefully preserve all timber growth within a strip 1 chain wide along each bank of the watercourses on the land leased. (c) Lessee shall undertake such soil conservation practices on the land leased as may be considered necessary by the Minister from time to time. (d) Gates shall be erected on the road within the land leased when and where directed by the District Surveyor for public use and together with approaches thereto, shall be maintained in good order to the satisfaction of the District Surveyor.

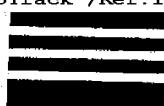
Special Lease 1943-1, Wellington. B. L. Duffield.—The lease shall be subject to subsections 1 and 2, 4 to 16, 19 to 22, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) No timber shall be destroyed on the land leased by ringbarking or otherwise. (b) The public shall have free access along and near the bank of the Narragal Creek, but such shall not be construed in any way to include shooting, trapping, hunting or similar pursuits which are hereby debarred, and a person so offending shall be considered a trespasser. (c) Burning off scrub, undergrowth or any vegetation or material is prohibited.

Special Lease 1948-5, Wyalong. The Trustees of Mildil Tank Horse Dip Group.—The lease shall be subject to subsections 1 to 20, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) The lease shall not confer any right upon the lessees to travel stock to the dip without compliance with the Pastures Protection Act and Regulations thereunder. (b) The lessee shall, after each completed dipping operation, run off all contents of the dip into a pit and shall not allow any contents of the dip to be run off into pastures which might be eaten by stock. (c) The lease shall not confer any right upon the lessee to use water from P.W.P. 930 without prior arrangements being made with Condobolin Pastures Protection Board.

Special Leases 1946-123, 1947-33, 1947-60, 1948-12, 1948-21, 1948-37, 1948-40, 1948-42, 1948-51, 1948-59, 1948-75, 1948-81, 1948-88, 1948-104, 1948-39, 1946-106, Newcastle. C. Lanham, A. A. Kemp, J. M. Lindsay, W. E. White, D. Baldwin, H. S. Reay, E. W. Mitchell, F. W. Gibson, M. Rowbottom, J. Amos, E. V. Ferry, M. Renfrew, B. F. Diver, S. Waugh, J. W. Toner, P. G. Plain, respectively.—The leases shall be subject to subsections 1, 2, 4 to 20, 22A, and 23 of Regulation No. 106 (notified 2nd August, 1940), and to following special conditions:—(a) Lessee shall enter into residence on the land leased within a period of six (6) months from the commencement of the lease. "Residence," for the purpose of this condition, shall be taken to mean continuous and bona-fide living on the land leased as the holder's usual home without any other habitual residence. (b) All buildings to be erected on the land leased shall be of a design to be approved by the Lake Macquarie Shire Council. (c) All plans and specifications shall conform to Local Government Ordinances and shall be submitted for the approval of the Lake Macquarie Shire Council and the approved plans and specifications shall not be departed from excepting with the permission of this authority. (d) All buildings and structures erected upon the land leased shall be maintained in good, efficient and sanitary condition, and in a thorough state of repair throughout the currency of the lease to the satisfaction of the Minister. (e) Any buildings erected on the land leased shall be painted with two (2) coats of paint within twelve (12) months after the date of notification in the Government Gazette of the granting of the lease, or after the date of erection, whichever is the later. (f) Should kerbing and guttering or paving be constructed along the frontage of the lease and a contribution to the cost thereof be made by the Crown, interest thereon shall be paid by the lessee to the Crown at the rate of four (4) per cent. per annum during the remainder of the term of the lease.



Three  
dollars  
STAMP DUTY  
SYDNEY, N.S.W.



New South Wales



11111148

Vol. 11111 Fol. 148  
Registered 26-8-1969

*James*  
Registrar General.

No. 1969/1609

# GRANT OF LAND PURCHASED BY CONDITIONAL SALE

C.P. 1952/8  
KEMPSEY

**HIS MAJESTY** the **SECOND**, by the Grace of God of the United Kingdom, Australia and her  
other Realms and Territories Queen, Head of the Commonwealth, Defender of the Faith:-  
To All to whom these Presents shall come, Greeting:-

**CANCELLED**

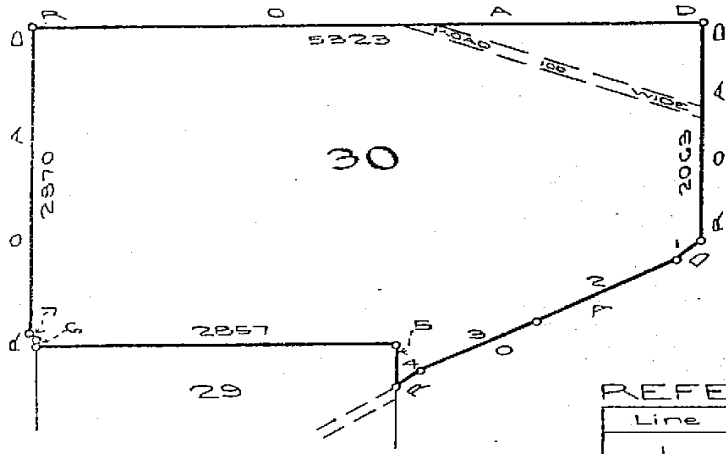
**WHEREAS** **ARTHUR LOUIS SHARPE** of 7 Lancaster Crescent Collaroy in Our State of New South Wales and **EVA PHYLLIS SHARPE** the Wife of the said Arthur Louis Sharpe

hereinafter called the **GRANTEES** (are) the holders of Original Conditional Purchase No. 1952/8 in the Land District of Kempsey comprising the land hereinafter described and intended to be hereby granted which holding was acquired by way of conversion of a Special Lease not being a Special Lease granted over an expired Conditional Lease the holder of which had failed to apply for extension of the term **AND WHEREAS** the sum of **three hundred and seventy six dollars twenty five cents** being the purchase money payable for the said land has been duly paid and all things required by law to be done to entitle the **GRANTEES** to a Grant of the fee simple of the said Land subject to the Reservations and Exceptions hereinafter contained have been done and performed **NOW THESE PRESENTS WITNESS** That in consideration of the premises **WE DO HEREBY GRANT** unto the **GRANTEES** Subject to the Reservations and Exceptions hereinafter contained **ALL THAT** parcel of land containing by admeasurement **one hundred and fifty acres two roods**

be the same more or less situated in the County of Macquarie Parish of Arakoon Portion 30 as shown in plan catalogued No. M.3515-666 in the Department of Lands excepting out of the said parcel of land the road shown in the plan hereon the area of which is not included in the above stated area

Attention is directed to the provisions of Section 272 of the Crown Lands Consolidation Act, 1913, as amended relating to restrictions on transfer.

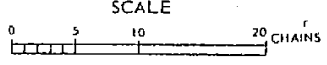
NORTH



**AREA: 150 acres 2 roods**

This area does not include the area of the road

REFERENCE	
Line	Distance
1	271
2	1243
3	1025
4	241
5	297
6	69
7	69



As per Plan hereon **TO HOLD** unto the **GRANTEES** in fee simple as joint tenants **PROVIDED NEVERTHELESS AND WE DO HEREBY RESERVE AND EXCEPT** unto Us Our Heirs and Successors all minerals which the said Land contains with full power and authority for Us Our Heirs and Successors and such person or persons as shall from time to time be authorised by Us or Them to enter upon the said Land and to search for mine dig and remove the said minerals **AND ALSO** all such parts and so much of the said Land as may hereafter be required for public ways in over and through the same to be set out by Our Governor for the time being of Our said State or some person by him authorised in that respect with full power for Us Our Heirs and Successors and for Our Governor as aforesaid by such person or persons as shall be by Us Them or him authorised in that behalf to make and conduct all such public ways **And the right of full and free ingress egress and regress into out of and upon the said Land for the several purposes aforesaid or any of them IN TESTIMONY WHEREOF** We have caused this Our Grant to be Sealed with the Seal of Our said State

**Witness** Our Governor of Our State of New South Wales and its Dependencies in the Commonwealth of Australia, at Sydney in Our said State, this **fifteenth** day of **August** in the **eighteenth** year of Our Reign and in the year of Our Lord one Thousand nine hundred and sixty **nine**

*A. A. Butler*  
Governor

PERSONS ARE CAUTIONED AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE LAND TITLES OFFICE.

### SCHEDULE OF REGISTERED PROPRIETORS

#### REGISTERED PROPRIETOR

William Barry Walls of West Pymble, Company Director  
 Walden Pty. Limited

This deed is cancelled as to Heimble  
 New Certificates of Title have issued on 18-6-74  
 for lots in Deposited Plan No. 560726 as follows:-  
 Lots 1 & 2 Vol. 12462 Fol. 176 & 177 respectively.

REGISTRAR GENERAL

NATURE	INSTRUMENT		ENTERED	Signature of Registrar General
	NUMBER	DATE		
Transfer for	M325658	10-6-1971	7-7-1971	<i>Janet</i>
Transfer	N141410	23-12-1971	9-5-1973	<i>Janet</i>

RGX  
 155233  
 M325658  
 To  
 Pch 507  
 N66488 LAT  
 DP 560726  
 N12462  
 (155233)  
 N 929010  
 (155233)  
 2.1.5607

### SCHEDULE OF ENCUMBRANCES ETC.

NATURE	INSTRUMENT		PARTICULARS	ENTERED	Signature of Registrar General	CANCELLATION		
	NUMBER	DATE						
Consent	155233	25.8.1969	By the Registrar General pursuant to Regulation 222A under the Crown Lands Consolidation Act 1913	1.9.1969	<i>Janet</i>	withdrawn	M325658	<i>Janet</i>
Request	N66488		The restrictions imposed by section 272 Crown Lands Consolidation Act 1913, are cancelled	5.2.1973	<i>Janet</i>			
Request	N66488		Attention is directed to section 8, Land Aggregation Tax Management Act 1971	5.2.1973	<i>Janet</i>			

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED

# CERTIFICATE OF TITLE

PROPERTY ACT, 1900



12462177

NEW SOUTH WALES

Vol. 12462 Fol. 177

Prior Title (Crown Grant)  
Vol. 11111 Fol. 148



Edition issued 18-6-1974.

**CANCELLED**

I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

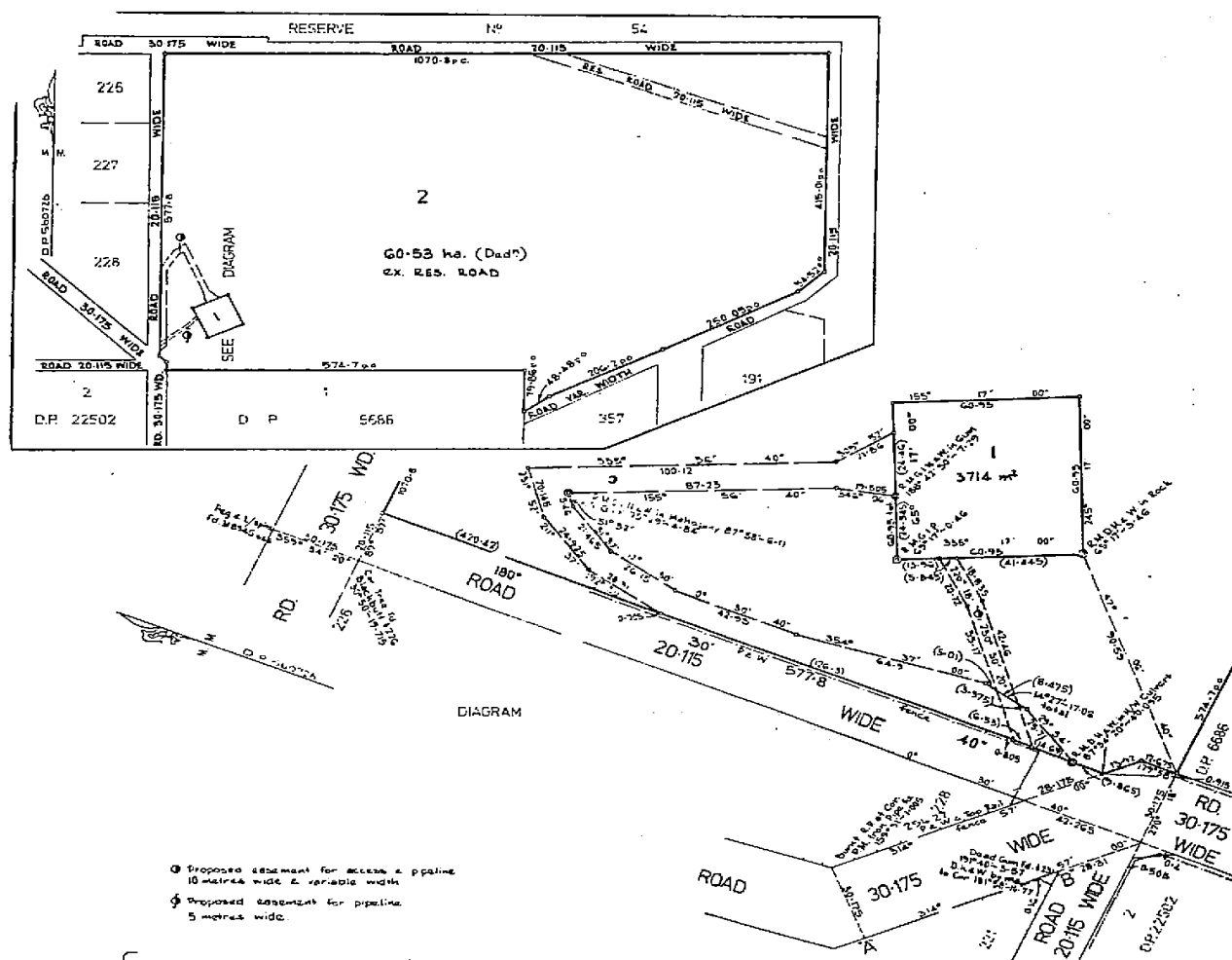
*Jan* SEE AUTO FOLIO

Registrar General.



## PLAN SHOWING LOCATION OF LAND

LENGTHS ARE IN METRES



## ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 2 in Deposited Plan 560726 at South West Rocks in the Shire of Macleay Parish of Arakoon and County of Macquarie. EXCEPTING THEREOUT the road shown in the plan hereon and the minerals reserved by the Crown Grant.

## FIRST SCHEDULE

WALDEL PTY. LIMITED.

GRM

## SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Attention is directed to Section 8 Land Aggregation Tax Management Act, 1971. See Request No.N66488.P

BA

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE LAND TITLES OFFICE.

**FIRST SCHEDULE (continued)**[illegible]

11829010-T.  
8GT  
W390141TeL

## SECOND SCHEDULE (continued)

[illegible]

**CANCELLED**  
**SEE AUTO FOLIO**

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED



LAND  
REGISTRY  
SERVICES

# Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

10/12/2024 1:38PM

FOLIO: 2/560726

First Title(s): SEE PRIOR TITLE(S)  
Prior Title(s): VOL 12462 FOL 177

Recorded -----	Number -----	Type of Instrument -----	C.T. Issue -----
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
5/8/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
9/10/1991	DP645213	DEPOSITED PLAN	
17/3/1992	E243755	TRANSFER	FOLIO CANCELLED
14/9/1999	6192629	DEPARTMENTAL DEALING	

\*\*\* END OF SEARCH \*\*\*

OFFICE USE ONLY

RP 13A

STAMP DUTY



Crown Instrument not liable

H. K. ROBERTS  
 Crown Solicitor



E  
 243755 J

**TRANSFER**  
**(INCLUDING EASEMENT/COVENANTS)**

REAL PROPERTY ACT, 1900

(See Instructions for Completion on back of form)

T	of	R
\$		

DESCRIPTION  
 OF LAND  
 Note (a)

LAND being transferred		
Torrens Title Reference	If part Only, Delete Whole and Give Details	Location
Volume 12462 Folio 177 NOW CELESTIAL IN FOLIO 21960726	WHOLE Part being Lot 1 in D.P. 645213	South West Rocks

TENEMENTS  
 PANEL

Note (b)  
 This panel also to be  
 completed for  
 covenants by transferor

Servient Tenement (Land burdened by easement)		Dominant Tenement (Land benefited by easement)	
Torrens Title Reference	Torrens Title Reference	Torrens Title Reference	Torrens Title Reference
Volume 12462 Folio 177 now 21960726		Easement in gross	

TRANSFEROR  
 Note (c)

WILLIAM BARRY WALLS AND MARGARET ELAINE WALLS
---

Note (d)

(the abovenamed TRANSFEROR) hereby acknowledges receipt of the consideration of \$135,000.00  
 and transfers an estate in fee simple in the land being transferred above described to the TRANSFEE

TRANSFEREE  
 Note (f)

MINISTER FOR PUBLIC WORKS	OFFICE USE ONLY
as joint tenants/tenants in common	OVER

TENANCY  
 Note (e)

PRIOR  
 ENCUMBRANCES  
 Note (i)

subject to the following PRIOR ENCUMBRANCES 1. ....  
 2. .... 3. ....  
 AND the TRANSFEROR:-  
 (i) GRANTS/RESERVES an easement as set out in SCHEDULE ONE hereto  
 (ii) COVENANTS with the TRANSFEE as set out in SCHEDULE TWO hereto  
 AND the TRANSFEE COVENANTS with the TRANSFEROR as set out in SCHEDULE THREE hereto

Note (g)

Note (g)

DATE 6 FEBRUARY, 1992

We hereby certify this dealing to be correct for the purposes of the Real Property Act, 1900.

EXECUTION  
 Note (h)

Signed in my presence by the Applicant who is personally known to me.

*Colin Ferguson*  
 Signature of Witness  
*Colin FERGUSON*  
 Name of Witness (BLOCK LETTERS)  
*Solicitor*  
 Address and Occupation of Witness

Note (h)

Signed in my presence by the Applicant who is personally known to me.  
 HUGH KING ROBERTS, State Crown Solicitor, by his employed  
 solicitor, CHARLES MURRAY DIMOND, who is personally known  
 to me: Signature of Witness

*E. DE LEON*  
 Name of Witness (BLOCK LETTERS)  
*SYDNEY-CLARK*  
 Address and occupation of Witness

*William Barry Walls*  
 Signature of Transferor  
 H. K. ROBERTS  
 State Crown Solicitor  
*[Signature]*  
 Signature of Transferee's Solicitor

91/3095 C23:JAF

TO BE COMPLETED  
 BY LODGING PARTY  
 Notes (i) and (j)

LODGED BY STATE CROWN SOLICITORS OFFICE GOODSELL BUILDING 8-12 CHIFLEY SQUARE, SYDNEY, 2000 DX 19		LOCATION OF DOCUMENTS	
Ref: 8138	CT	OTHER	Herewith.
Delivery Box Number			In L.T.O. with
		✓	Produced by LT KANE & WILSON
Checked 0131	Passed RF	REGISTERED	-19
Signed	Extra Fee	Secondary Directions	
		Delivery Directions	

OFFICE USE ONLY



RP 13A  
1988

SCHEDULE ONE HEREINBEFORE REFERRED TO

The Transferor hereby grants/reserves an easement in gross for water supply pipeline as set out hereunder over such part of the servient tenement as is shown in Deposited Plan 645213 as "Proposed easement for pipeline 5 wide" the conditions of which are set out hereunder being: Notes (k) and (l)

PIPELINE (WATER)

FULL AND FREE right for the transferee and his successors and assigns (being a public or local authority) and every person authorised by any of them from time to time and at all times to pass and convey water in any quantities through the servient tenement TOGETHER WITH the right to use for the purposes of the easement any line of pipes (including valves ancillary thereto) already laid within the servient tenement for the purpose of the passage and conveyance of such water or any pipe or pipes (including valves ancillary thereto) in replacement or in substitution therefor and where no such line of pipes exists to lay place and maintain a line of pipes of sufficient internal diameter (including valves ancillary thereto) beneath or upon the surface of the servient tenement AND TOGETHER with the right for the transferee and his successors and assigns (being a public or local authority) and every person authorised by any of them with any tools, implements or machinery, necessary for the purpose, to enter upon the servient tenement and to remain there for any reasonable time for the purpose of laying, inspecting, cleansing, repairing, maintaining, or renewing such pipeline or any part thereof (including valves ancillary thereto) AND for any of the aforesaid purposes to open the soil of the servient tenement to such extent as may be necessary.

SCHEDULE TWO HEREINBEFORE REFERRED TO

The Transferor hereby covenants with

Notes (m) and (l)  
Also complete  
tenements panel on  
front of form

RP 13A  
1998

SCHEDULE THREE HEREINBEFORE REFERRED TO

Notes (n) and (i)      The Transferee hereby covenants with

RP 13A  
1988

# INSTRUCTIONS FOR COMPLETION

This form is only to be used for the transfer of land together with the granting or reservation of easements and/or the creation of restrictive covenants. For other transfers use forms RP 13, RP 13B, RP 13C, as appropriate.

This dealing should be marked by the Stamp Duties Division, Department of Finance before lodgment at the Land Titles Office.

Typewriting and handwriting should be clear, legible and in permanent dense black or dark blue non-copying ink.

Alterations are not to be made by erasure; the words rejected are to be ruled through and initialled by the parties to the dealing in the left-hand margin.

If the space provided is insufficient, additional sheets of the same size and quality of paper and having the same margins as this form should be used. Each additional sheet must be identified as an annexure and signed by the parties and the attesting witnesses.

Registered mortgagees, chargees and lessees of the servient tenement should consent to any grant or reservation of easement; otherwise the mortgage, charge or lease should be noted in the memorandum of prior encumbrances.

The signatures of the parties and the attesting witnesses should appear below the last provision in the last completed schedule.

Rule up all blanks.

The following instructions relate to the side notes on the form.

## (a) Description of land.

- (i) **TORRENS TITLE REFERENCE.**—Insert the current reference to the Folio of the Register for the land being transferred, e.g., 135/SP12345 or Vol.12634 Fol. 126.
- (ii) **PART/WHOLE.**—If part only of the land in the folio of the Register is being transferred, delete the word "WHOLE" and insert the lot and plan number, portion, &c. See also sections 327 and 327AA of the Local Government Act, 1919.
- (iii) **LOCATION.**—Insert the locality shown on the Certificate of Title, e.g., at Chullora. If the locality is not shown, insert the Parish and County, e.g., Ph. Lismore Co. Ross.

## (b) Tenement panel.—Insert the current Folio Identifier or Volume and Folio of the Certificate of Title for both the servient and dominant tenements of the easements, e.g., 135/SP12345 or Vol. 12634 Fol. 126, &c. This panel is also to be completed for covenants by the transferor.

## (c) Show the full name, address and occupation or description.

## (d) If the estate being transferred is a lesser estate than an estate in fee simple, delete "fee simple" and insert appropriate estate.

## (e) Delete if only one transferee. If more than one transferee, delete either "joint tenants" or "tenants in common", and, if the transferees hold as tenants in common, state the shares in which they hold.

## (f) In the memorandum of prior encumbrances, state only the registered number of any mortgage, charge or lease (except where the consent of the mortgagee, chargee or lessee is furnished) and of any writ recorded in the Register.

## (g) Delete whichever words are inappropriate.

## (h) Execution.

### GENERALLY

- (i) Should there be insufficient space for execution of this dealing, use an annexure sheet.
- (ii) The certificate of correctness under the Real Property Act, 1900, must be signed by all parties to the transfer, each party to execute the dealing in the presence of an adult witness, not being a party to the dealing, to whom he/she is personally known. The solicitor for the transferee may sign the certificate on behalf of the transferee, the solicitor's name (not that of his/her firm), to be typewritten or printed adjacent to his/her signature.
- (iii) Any person falsely or negligently certifying is liable to the penalties provided by section 117 of the Real Property Act, 1900.

### ATTORNEY

- (iv) If the transfer is executed by an attorney for the transferor/transferee pursuant to a registered power of attorney, the form of attestation must set out the full name of the attorney, and the form of execution must indicate the source of his/her authority, e.g., "AB by his/her attorney (or receiver or delegate, as the case may be) XY pursuant to power of attorney registered Book No. ,".

### AUTHORITY

- (v) If the transfer is executed pursuant to an authority (other than specified in (iv)) the form of execution must indicate the statutory, judicial or other authority pursuant to which the transfer has been executed.

### CORPORATION

- (vi) If the transfer is executed by a corporation under seal, the form of execution should include a statement that the seal has been properly affixed, e.g., "In accordance with the Articles of Association of the corporation. Each person attesting the affixing of the seal must state their position (e.g., director, secretary) in the corporation."

## (i) Insert the name, postal address, Document Exchange reference, telephone number and delivery box number of the lodging party.

## (j) The lodging party is to complete the LOCATION OF DOCUMENTS panel. Place a tick in the appropriate box to indicate the whereabouts of the Certificate of Title. List, in an abbreviated form, other documents lodged, e.g., stat. dec. for statutory declaration, pble. for probate, L/A for letters of administration, &c.

## (k) State the nature of the easement (see, e.g., section 181A of the Conveyancing Act, 1919) and accurately describe the site of the easement. The grant or reservation of easement (other than an easement in gross) must comply with section 88 of the Conveyancing Act, 1919. If not applicable, rule through this space.

## (l) Annexures should be of the same size and quality of paper and have the same margins as the transfer form. Each such annexure must be identified as an annexure and signed by the parties and the attesting witnesses. Any plan annexed should comply with regulation 37 of the Real Property Act regulations, 1970.

## (m) This space is provided for any restrictive covenant by the transferor (which must comply with section 88 of the Conveyancing Act, 1919). If not applicable, rule through this space.

## (n) This space is provided for any restrictive covenant by the transferee (which must comply with section 88 of the Conveyancing Act, 1919). If not applicable, rule through this space.

## OFFICE USE ONLY

## FIRST SCHEDULE DIRECTIONS

(A) FOLIO IDENTIFIER	(B) DIRECTION	(C) NAME
	PROP	MINISTER FOR PUBLIC WORKS as to part being
		Lot 1 in DP645213 and WILLIAM BARRY WALLS &
		MARGARET ELaine WALLS as joint tenants as to
		the residue being Lot 2 in DP645213

## SECOND SCHEDULE & OTHER DIRECTIONS

(D) FOLIO IDENTIFIER (OR REGD DEALING & FOLIO IDENTIFIER)	(E) DIRECTION	(F) NOTFN TYPE	(G) DEALING NUMBER	(H) DETAILS
	OFF	AD		
	OFF	BA	N66488	
	OFF	NB	DP645213	
	CN	ER		Easement for water supply by pipeline
				affixing to part of the land above
				described above 3m wide 25.14m <sup>2</sup> in
				DP645213.
	CN	22		See folio 100 issued for Lots 1 & 2
				in DP645213
	CT		N667	

FROM L T ENNE 10

Land Titles Office,  
Sydney

# PRODUCTION TICKET



A 35482

Document

CT-Vol 12462 Fol 177

Date

16th December 1991

Produced by

LJ Kane + Co

Deliver to

30P

Client  
Reference  
(Optional)

CWF - Wallis

Purpose

Transfer

LT 3/91

Cohen Print --- 81 2233

Received by (office use only)





SEARCH DATE

10/12/2024 1:07PM

FOLIO: 2/645213

First Title(s): VOL 11111 FOL 148

Prior Title(s): 2/560726

Recorded	Number	Type of Instrument	C.T. Issue
9/10/1991	DP645213	DEPOSITED PLAN	LOT RECORDED FOLIO NOT CREATED
17/3/1992	E243755	TRANSFER	FOLIO CREATED EDITION 1
28/12/1994	U899408	MORTGAGE	EDITION 2
10/4/1995	O148394	DEPARTMENTAL DEALING	
4/3/2004	AA468713	DISCHARGE OF MORTGAGE	EDITION 3
10/8/2004	DP1071657	DEPOSITED PLAN	FOLIO CANCELLED

\*\*\* END OF SEARCH \*\*\*

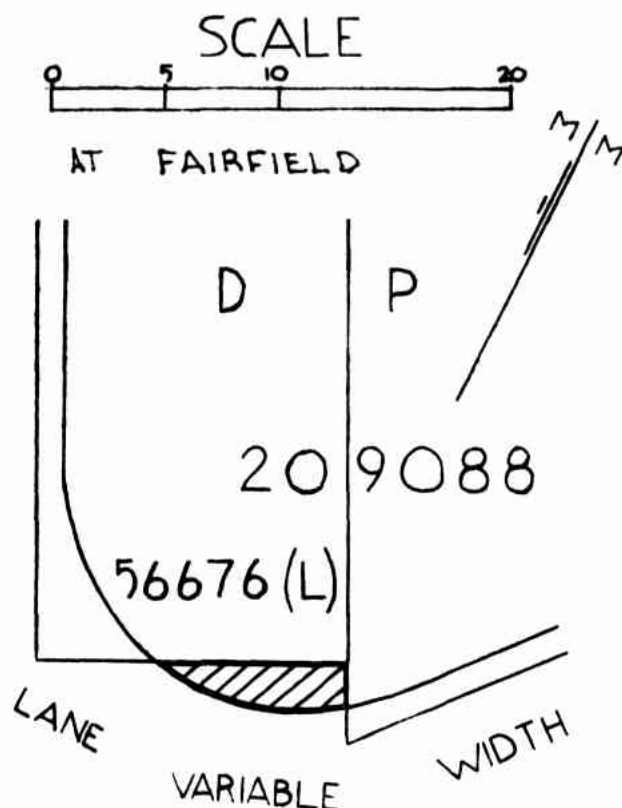




*Land District—Metropolitan; Municipality—Fairfield*

Fairfield Municipal Council. Road (part Council Lane) as shown by hatching on diagram hereunder. Parish St Luke, County Cumberland. Rds 73-1248.

PARISH ST LUKE  
COUNTY CUMBERLAND  
RDS 73-1248



(7090) Sydney, 28th September, 1973.  
**DECLARATION OF ROADS TO BE PUBLIC ROAD  
UNDER PROVISIONS OF THE PUBLIC ROADS ACT,  
1902**

IT is hereby notified in pursuance of the provisions of section 18, Public Roads Act, 1902, as amended, that the roads hereunder described are hereby declared to be public roads and dedicated to the public accordingly.

T. L. LEWIS, Minister for Lands.

**Descriptions***Land District—Metropolitan; Shire—Warringah*

Parish Manly Cove, County Cumberland, at Davidson: Elphinstone Place 15.24 metres wide and variable; pathway 3.66 metres wide north of allotment 32 and allotment 1, section 170; non-public part of Sir Thomas Mitchell Drive 18.29 metres wide south of allotments 23 and 24, section 170, end of Elphinstone Place, and allotment 45, section 170. Rds 73-1068.

NOTES: (1) Declaration covers all included splays (3).  
(2) Declaration is limited to the surface and to a depth of 20 metres below the surface.

(7089) Sydney, 28th September, 1973.  
**NOTIFICATION OF CLOSING OF ROADS**

IN pursuance of the provisions of the Public Roads Act, 1902, as amended, it is hereby notified that the roads hereunder specified are hereby closed; that the lands comprised therein shall be freed and discharged from any rights of the public or any person to the same as highways.

T. L. LEWIS, Minister for Lands.

**Descriptions***Land District and Shire—Molong*

Alan Charles Stead, 1.225 hectares. Road separating portion 23 from portion 66, Parish Boree Nyran, and portions 8 and 10, being lot 1, Deposited Plan 245465, Parish Brymedura, County Ashburnham. Rds 73-69.

Alan Charles Stead, 1.133 hectares. Road separating portion 296 from portion 298, being lot 1, Deposited Plan 245464, Parish Molong, County Ashburnham. Rds 73-72.

*Land District—Narrabri; Shire—Namoi*

Landora Pty Ltd, 2.90 hectares. Public road within portions 64, 65 and 66, being lot 1, Deposited Plan 245877, Parish Tulladunna, County Jamison. Rds 73-133.

*Land District—Moree; Shire—Boooroo*

Edward Keith Garvey, 4 133 square metres. Road 30.175 metres wide separating portion 72 from portion 61, being lot 1, Deposited Plan 245740, Parish Pallamallawa, County Courallic. Rds 73-429.

*Land District and City—Dubbo*

Joseph Shibble, 1.462 hectares. Reserved road within portion 373, being lot 1, Deposited Plan 245876, Parish Dubbo, County Lincoln. Rds 73-525.

*Land District—Moss Vale; Shire—Wingecarribee*

Home Units of Australia Pty Ltd, 8 943 square metres. Road separating portion 45 from portion 148, being lot 1, Deposited Plan 245878, Parish Murrumba, County Camden. Rds 73-572.

(7166) Sydney, 28th September, 1973.

**NOTIFICATION OF CLOSING OF ROADS**

IN pursuance of the provisions of the Public Roads Act, 1902, as amended, it is hereby notified that the roads hereunder specified are hereby closed; that the lands comprised therein shall be freed and discharged from any rights of the public or any person to the same as highways.

T. L. LEWIS, Minister for Lands.

**Description***Land District—Metropolitan; City—Sydney*

Public road (parts Martin Place) between the eastern side of Pitt Street and the western side of Elizabeth Street, exclusive of the intersection of Martin Place and Castlereagh Street required to preserve continuity of Castlereagh Street, Parish St James, County Cumberland. Rds 72-884.

(7088) Sydney, 28th September, 1973.

**NOTIFICATION OF PROPOSED CLOSING OF ROADS**

NOTICE is hereby given under the provisions of the Public Roads Act, 1902, that the Minister for Lands proposes to consider the closing of the roads hereunder specified for the purposes indicated.

All persons interested are hereby called upon to set forth in writing addressed to the Under Secretary for Lands within one month from the date of publication of this notice any objections which may appear to them to exist to these proposals.

T. L. LEWIS, Minister for Lands.

**Descriptions***Land District—Bega; Shire—Imlay*

Parish Nullica, County Auckland, public road being lot 21, D.P. 550534. Rds 70-1723.

NOTE: If closed, it is intended to reserve the road for the purposes of Public Recreation (Tennis Courts).

*Administrative District—Hillston North; Shire—Cobar*

Parish Eribendery, County Blaxland, road 30.175 metres wide separating portions 40, end of road and 141 from portions 133, 137, end of road, 142, 143 and 144; road 30.175 metres wide separating portion 40 from portion 141; road 30.175 metres wide southeast of portion 141; road 30.175 metres wide separating portions 134 and 143 from portions 148 and 150; road 30.175 metres wide separating portion 135 from portion 133, end of road and portion 134; road 30.175 metres wide separating portions 133 and 137 from portions 134 and 142; road 30.175 metres wide separating portions 136 and 151 from portions 145, 146 and 147; road 30.175 metres wide north of portion 131, end of road and portion 132; road 30.175 metres wide south of portions 3 and 153; road 30.175 metres wide separating portions 131 and 159 from portions 132 and 2; road 30.175 metres wide separating portion 130 from portions 2 132 and 138; reserved road 30.175 metres wide within portions 131, 132, 138 and 155.

Parish Guagong, County Blaxland, road 30.175 metres wide separating portions 37, 36, end of road and 32 from portions 38, 40, end of road and 43; road 30.175 metres wide separating portions 39 and 41 and end of road from portions 81, 82 and 83 and end of road; road 30.175 metres wide separating portions 41, 40, end of road, 36 and 31 from portions 43, end of road and 32; road 30.175 metres wide southeast of portion 83; road 30.175 metres wide southwest of portions 43 and 42; road 30.175 metres wide separating portions 91 and 90 from portions 89, 88, end of road and 87; road 30.175 metres wide separating portion 88 from portions 87 and 86; road 60.35 metres wide northwest of portions 1, 14, end of road, 15, 6 and 7; road 30.175 metres wide separating portions 1 and 92 from portions 2 and 13; road 30.175 metres wide separating portions 14, 92, end of road and 13 from portion 15.

Parish Booberoi, County Blaxland, road 60.35 metres wide northeast of portions 37, end of road, 47, 72 and 45 together with its extension generally southeasterly through Western Lands Lease No. 85 to the northern boundary of portion 49; road 60.35 metres wide north of portions 49, 50 and 51; road 60.35 metres northwest of portion 51 and end of road; road 30.175 metres wide separating portion 37 from portion 47 and end of road; road 30.175 metres wide southwest of portions 47 and 72; road 30.175 metres wide northwest of portions 40, 41, 42, end of road, 43, 44, end of road and 48; road 30.175 metres wide separating portions 61, 62 and 63 from portion 64; road 30.175 metres wide separating portions 42, 61, end of road and 64 from portions 43, 59, end of road, 60 and 94; road 30.175 metres wide separating portions 44, 58, end of road and 57 from portions 48, 52, 53, end of road, 54 and 56; road 30.175 metres wide separating portions 59, 58, end of road and 53 from portions 60, 57, end of road and 54; road 30.175 metres wide separating portions 51, 52, 53, end of road, 54 and 55 (Parish Booberoi) from portions 1, end of road and 2 (Parish Guagong). Rds 73-1258.

NOTE: If closed, it is intended to include the roads in adjoining lands.

*Land District and Shire—Gosford*

Maureen Carey. Part reserved road within portion 52, being that part within lot 123, Deposited Plan 11184, Parish Patonga, County Northumberland. Rds 73-1376.

*Land District—Grenfell; Shire—Weddin*

Victor Reginald Hayes. Reserved non-public road 70.41 metres wide within portion 21, Parish Iandra, County Mont-eagle. Rds 73-1377.

*Land District—Kempsey Shire—Macleay*

Waldel Pty Ltd. Road within portion 30, Parish Arakoon, County Macquarie. Rds 73-1380.

*Land District—Deniliquin; Shire—Jerilderie*

Robert John Wilson. Road west of portion 28; the southernmost 20.115 metres of the road north of portion 20 and end of road; road separating portion 20, end of closed road and portion 134 from portion 12, Parish Coree North, County Urana. Rds 73-1402.

*Land District—Metropolitan; Municipality—Fairfield*

Teresa Karcz. Public road (part lane) separating lots 189 and 190 from lots 116 and 117, section 6, Deposited Plan 1553, Parish St Luke, County Cumberland. Rds 73-1409.

*Land District—Bathurst; Shire—Abercrombie*

Percy Edward Glazebrook. Southernmost 108.18 of public road west of portion 171; public road separating portions 170, 169 and 168 from portions 153, 152, 151 and 150, Parish Apsley, County Bathurst. Rds 73-1411.

*Land District—Wagga Wagga; Shire—Kyeamba*

Patrick Edward Power Junior. Roads south of portions 31, 32, 33, end of road, portions 34, 35 and 36; reserved road within portion 43; road separating portion 33 from portion 34; road north of portions 34, 35, 36 and 108, Parish Gregardo; road within lot 2, Deposited Plan 537583; road separating portion 119 from portion 184, end of road, portion 185 and end of road, Parish Gumly Gumly, County Wynyard. Rds 73-1416.

*Land District—Armidale; Shire—Dumaresq*

Barry William Noble and Kay Elizabeth Noble. Road north of portion 148, Parish Duval, County Sandon. Rds 73-1424.

*Land District—Bathurst; Shire—Abercrombie*

Parish Cadogan, County Bathurst. Public road R. 1210-1603, within portion 80, not included in the survey of and not required to preserve continuity of proposed road R. 34089-1603. (Council's reference 263.154.) Rds 73-1427.

*Land District—Wyalong; Shire—Bland*

Peter Francis Graydon Clarke. The western half of the road north of portion 60, Parish Barmedman, County Bland. Rds 73-1440.

*Land District—Bathurst; Shire—Turon*

Dojower Pty Limited. Road separating portions 142, 199, 172 and 144 from portions 222, 6 and 122, Parish Yetholme, County Roxburgh. Rds 73-1442.

*Land District—Lismore; Shire—Gundurimba*

Parishes East Gundurimba and Lismore, County Rous, public road (R. 10300-1603) within portion 20; public road (partly R. 10300-1603 and R. 11305-1603) separating portion 20, end of closed road and portion 23 from portion 21, end of road and portion 22; public road (R. 11305-1603) within portion 23; not included in the survey of and not required to preserve the continuity of proposed road R. 34094-1604 (Parish East Gundurimba).

Public road (Cedar Street) northeast of section 36, and (Johnson Street) southeast of section 29 (Town Gundurimba); public road (Johnston Street) southeast of section 27 and (Boundary Street) northeast of section 33 (Suburban Lands of Gundurimba); public road (R. 2390A-1603) reserved within portion 21 (Parish Lismore); not included in the survey of and not required to preserve the continuity of proposed road R. 34095-1603.

Public road (R. 2390A-1603) reserved within portion 27 west of proposed road R. 34096-1603 (Parish Lismore). (Council's reference 3148.) Rds 73-1443.

*Land District—Bellingen; Shire—Coffs Harbour*

Parish Bonville, County Raleigh, public reserved road within portions 138 and 197 and public road separating portion 197 from portions 138 and 35 not included in the survey of and not required to preserve the continuity of proposed road R. 34101-1603 but exclusive of that part north of proposed road R. 34101-1603 east of the southerly prolongation of the western boundary of portion 35. (Council's reference R5/02.) Rds 73-1444.

*Land District—Kiama; City—Wollongong*

Parish Wollongong, County Camden, at Wollongong. Road (Hinton Street) within portion 10 REM southeast of proposed road R. 34093-1603. (Council's reference L82/1.) Rds 73-1447.

(7051) Board of Surveyors, Department of Lands,  
Sydney, 28th September, 1973.

IT is hereby notified that the undermentioned has been removed from the Register of Surveyors under the provisions of the Surveyors Act, 1929, as amended, for the reason shown:

Stephen, Alfred—Deceased.

L. N. FLETCHER, President.  
R. K. BAYLISS, Registrar.

(7054) Board of Surveyors, Department of Lands,  
Sydney, 28th September, 1973.

IT is hereby notified that the undermentioned have been registered as surveyors under the provisions of the Surveyors Act, 1929, as amended, from the date shown:

Thompson, David Hugh—"Farrer House", 526 Swift Street, Albury, N.S.W., 11th September, 1973.

Miller, Paul Anthony—First Floor, 34A Main Street, Croydon, Victoria, 11th September, 1973.

L. N. FLETCHER, President.  
R. K. BAYLISS, Registrar.

(7167) Sydney, 28th September, 1973.

ADDITION TO RESERVE FROM SALE

IT is hereby notified that in pursuance of the provisions of section 28 of the Crown Lands Consolidation Act, 1913, the Crown land described hereunder shall be added to the existing reserve shown in parentheses, and is hereby added accordingly.

T. L. LEWIS, Minister for Lands.

FOR PUBLIC RECREATION

*Land District—Metropolitan; City—Sydney*

Parish St James, County Cumberland, being those parts of Martin Place closed by notification this day. (R. 88056, notified 18th December, 1970.) Rds 72-884.

(7069) Sydney, 28th September, 1973.

RESERVES FROM SALE

IT is hereby notified that in pursuance of the provisions of section 28 of the Crown Lands Consolidation Act, 1913, the Crown lands hereunder described shall be reserved from sale for the public purposes hereinafter specified and are hereby reserved accordingly.

T. L. LEWIS, Minister for Lands.

FOR QUARANTINE

*Land District—Casino; Shire—Tomki*

No. 89026, Parish Kyogle, County Rous, 1.619 hectares being the former Backmede Public School Site shown on plan Ms 1817 Gfn. Pks 73-744.

*Land District—Casino; Shire—Kyogle*

No. 89030, Parish Ettick, County Rous, 8 094 square metres being the former Upper Eden Creek Public School Site shown on plan Ms 3395 Gfn and being part of portion 43. Pks 73-186.



**Estate of the late Edward Elliott**

Resumed land: 5 920 square metres, part Old System Title, being part portion 94 (lot 2, D.P. 555507).

Resumed land: 4 370 square metres, part Old System Title, being part portion 94 (lot 3).

NOTE: Dedication is limited to the surface and a depth of 15.24 metres below thereof.

**Parish Mittagong, County Camden, Land District Moss Vale, Municipality Bowral**

Widening of Main Road No. 260 within portion 19, vide plan R. 34111-1603. (Council's reference 165/25; D.M.R. 53.124.) Rds 73-1407.

**Cyril Brendan Carroll and Patricia Mary Carroll**

Resumed land: 275 square metres, part C.T., vol. 5980, fol. 147, being part portion 19 (part lot B, F.P. 364692) (includes Drainage Easement D. 818301).

**Goodhand Clarke**

Resumed land: 1 010 square metres, part C.T., vol. 6129, fol. 37, being part portion 19 (parts lots D and E, F.P. 364692) (includes Drainage Easement F. 48905).

**Carlton Verne Gay and Viviane James Gay**

Resumed land: 230 square metres, part C.T., vol. 11687, fol. 204, being part portion 19 (part lots 5, D.P. 549687).

Resumed land: 660 square metres, part C.T., vol. 11687, fol. 205, being part portion 19 (part lot 6, D.P. 549687).

Resumed land: 640 square metres, part C.T., vol. 11687, fol. 206, being part portion 19 (part lot 7, D.P. 549687).

**Parish, Town and City Wollongong, County Camden, Land District Kiama**

Widening and extension of Hector Street, Wollongong, vide plan R. 34093-1603. (Council's reference L82/1.) Rds 73-1418.

**Council of the Municipality of Wollongong**

Resumed land: 500 square metres, part Old System Title, being part portion 10 REM (lot 2, F.P. 152480).

Resumed land: 350 square metres, part C.T., vol. 4333, fol. 160, being part portion 10 REM (lot 7, D.P. 16118).

Resumed land: 400 square metres, part C.T., vol. 4346, fol. 249, being part portion 10 REM (lot 4, D.P. 16232).

Resumed land: 1 000 square metres, part area Dedicated for Public Recreation, Gazette, 12th July, 1911, being part portion 10 REM.

Resumed land: 250 square metres, part area Dedicated for Public Recreation, Gazette, 1st November, 1929, being part portion 10 REM.

Closed road: Road (Hinton Street) southeast of road R. 34093-1603.

NOTE: Dedication is limited to the surface and a depth of 20 metres below thereof.

(9160)

Sydney, 21st December, 1973.

**NOTIFICATION OF CLOSING OF ROADS**

IN pursuance of the provisions of the Public Roads Act, 1902, as amended, it is hereby notified that the roads hereunder specified are hereby closed; that the lands comprised therein shall be freed and discharged from any rights of the public or any person to the same as highways.

T. L. LEWIS, Minister for Lands.

**Descriptions****Land District—Casino; Shire—Kyogle**

Ern Smith and Sons (Kyogle) Pty Ltd and Barnes and Clark (Kyogle) Pty Ltd, 2 165 square metres. Public road variable width generally north of a line joining the southernmost southeastern corner of land contained in Certificate of Title, volume 3369, folio 184, to the southernmost corner of lot 235, Deposited Plan 4517, being lot 1 of Deposited Plan 246577, and shown on plan catalogued Ms 4773 Gfn, at Kyogle, Parish Fairymount, County Rous. Rds 72-1823.

**Land District—Metropolitan; Municipality—Holroyd**

Lucas and Tait Pty Limited, 2 245.4 square metres. Those parts of the reserved road within portion 150 (also lot 77, D.P. 244044), being portions 337 and 338 in plan catalogued C10406-2030a at the Department of Lands. Parish Prospect, County Cumberland. Rds 73-583.

**Land District—Kempsey; Shire—Macleay**

John William Lawrence, 1.3 hectares. Road separating portion 166 from portion 173, being lot 1 in Deposited Plan 246247, Parish Kalateenee, County Dudley. Rds 73-648.

**Land District—Young; Shire—Demondrille**

Errol William Pigram, 7 321 square metres. Road (Gardiner Street) east of allotments 10, end of lane, 13 and 11, section 16, extending southerly from a point 38.1 metres south of Boorowa Street to a point 59.435 metres south of the northern boundary of allotment 11, being lot 1, Deposited Plan 246580, at Cunningar, Parish Cunningar, County Harden. Rds 73-708.

**Land District—Moss Vale; Shire—Mittagong**

William John Cannings, 1 337 square metres. Public road south of lots 2 to 5 inclusive, D.P. 792, being part lots 2 to 5 inclusive, D.P. 244083. Rds 73-711.

Gwenyth Hilda Jones, 334.2 square metres. Public road south of lot 13, D.P. 792, being part lot 13, D.P. 244083. Rds 73-712.

Eleanor Lucy Harrison, 668.7 square metres. Public road south of lots 11 and 12, D.P. 792, being part lots 11 and 12, D.P. 244083. Rds 73-713.

Arthur John Hebbard and Joyce Hebbard, 334.2 square metres. Public road south of lot 10, D.P. 792, being part lot 10, D.P. 244083. Rds 73-714.

Elisabeth Johanna Pieters, 334.4 square metres. Public road south of lot 9, D.P. 792, being part lot 9, D.P. 244083. Rds 73-715.

Minko Jarig Roode and Christine Margaret Roode, 334.2 square metres. Public road south of lot 8, D.P. 792, being part lot 8, D.P. 244083. Rds 73-716.

Vincent Norman Pagett, 334.4 square metres. Public road south of lot 6, D.P. 792, being part lot 6, D.P. 244083. Rds 73-717.

Parish Colo, County Camden.

**Land District—Inverell; Shire—Uralla**

Glen August Elix, 9.083 hectares. Road south of portion 92; reserved road within portion 92; road separating portions 125, 130 and 82 from portions 49, 131, 33, 24 and 23; road separating end of road and portion 49 from portions 148, 23 and 25, being lots 1 and 2, Deposited Plan 246323, and lots 1 and 2, Deposited Plan 246324, Parish Darbysleigh, County Har- dinge. Rds 73-771.

**Land District—Dubbo; Shire—Timbregongie**

Rhody Thomas, 1.689 hectares. Public reserved road 60.35 metres wide within portion 27 (being that part within lot 6 in Deposited Plan 237151), being lot 1 in Deposited Plan 246243. Rds 73-1234.

Elizabeth Lander, 10.91 hectares. Public reserved road 60.35 metres wide within portion 27 and part public road separating portion 43 and end of road from portion 108 (Parish Buddah) exclusive of the northwesternmost 20.115 metres adjoining the southeasternmost boundary of portion 108 aforementioned (being that part within lot 7, Deposited Plan 237151), being lot 2 in Deposited Plan 246243. Rds 73-1236.

Geoffrey Hughes, 7.091 hectares. Public road 60.35 metres wide separating portions 108 (Parish Buddah) and 111 from portion 43 and part public reserved road 60.35 metres wide within portion 43 exclusive of a strip 20.115 metres wide adjoining the southeastern boundary of portion 108 aforementioned (being that part within lot 8, Deposited Plan 237151), being lot 3 in Deposited Plan 246243. Rds 73-1237.

Megan Thomas, 7.985 hectares. Public reserved road 60.35 metres wide within portion 43 (being that part within lot 9, Deposited Plan 237151), being lot 4 in Deposited Plan 246243. Rds 73-1238.

Kenneth William Thomas, 2.172 hectares. Road 40.235 metres wide separating portion 43 from portions 16 and 17 (being that part within lot 1, Deposited Plan 237151), being lot 5 in Deposited Plan 246243. Rds 73-1239.

Parish Timbregongie, County Narromine.

**Land District—Deniliquin; Shire—Murray**

Town and Parish Moama, County Cadell. Roads being Maiden Street separating portions 163 and 164 from section 34; lane within section 34. Rds 73-1360.

**Land District—Kempsey; Shire—Macleay**

Waldel Pty Limited, 9 870 square metres. Road within portion 30, being lot 1, Deposited Plan 246579, Parish Arakoon, County Macquarie. Rds 73-1380.

**Land District—Wyalong; Shire—Bland**

Peter Francis Graydon Clarke, 2.782 hectares. The westernmost 922.2 metres of road north of portion 60, being lot 1, Deposited Plan 246578, Parish Barmedman, County Bland. Rds 73-1440.



*Land District—Gunnedah; Shire—Liverpool Plains*

George William Blakely and Joanne Blakely, 13.15 hectares. Public road 60.35 metres wide south of portions 72 and 184 and southeast of portion 184, being lot 1, Deposited Plan 24650, Parish Bando, County Pottinger. Rds 73-1514.

*Land District—Deniliquin; Shire—Murray*

Murray Shire Council, 1.845 hectares. Public roads, part Echuca Street separating section 64 from section 33; Young Street extending from the northwestern side of Blair Street to the northwestern side of Maiden Street; lane within section 33, being lot 1, Deposited Plan 246471, Parish and Town Moama, County Cadell. Rds 73-1570.

(9158)

Sydney, 21st December, 1973.

## NOTIFICATION OF PROPOSED CLOSING OF ROADS

NOTICE is hereby given under the provisions of the Public Roads Act, 1902, that the Minister for Lands proposes to consider the closing of the roads hereunder specified for the purposes indicated.

All persons interested are hereby called upon to set forth in writing addressed to the Under Secretary for Lands within one month from the date of publication of this notice any objections which may appear to them to exist to these proposals.

T. L. LEWIS, Minister for Lands.

## Descriptions

*Land District—Wagga Wagga; Shire—Mitchell*

Parish North Wagga Wagga, County Clarendon. Public road north of portions 64, 65, and 66. Rds 73-1627.

NOTE: If closed it is intended to include the road in the Riverina College of Advanced Education.

*Land District—Metropolitan; Municipality—Botany*

Victor Joseph Tesoriero and Mary Catherine Tesoriero. Public road (pathway) 3.048 metres wide adjacent to the southeastern boundary of lot 468 in Deposited Plan 13255, Parish Botany, County Cumberland. Rds 73-1665.

*Land District—Maitland; City—Greater Cessnock*

Parish Corrabare, County Northumberland, Town Wollombi. Public road within measured portion 168. Rds 73-1679.

NOTE: If closed it is intended to include the road in the disposal of adjoining Crown lands.

*Land District and Shire—Bingara*

Parish Wyndham, County Murchison. That part of the public road east of portion 112 south of the westerly prolongation of the southern boundary of portion 114 and not included in the survey of road R. 31970-1603R. Rds 73-1683.

NOTE: If closed it is intended to include the road in C.L. 17219 Bingara.

*Land District—Grafton; Shire—Copmanhurst*

Parish and Village Copmanhurst, County Clarence, roads within portion 392. Rds 73-1720.

NOTE: If closed it is intended to include the road in Conditional Purchase 1972-64 Grafton.

*Land District and Shire—Bellingen*

Parish Leigh, County Fitzroy, Village Megan, road generally north of portion 285 between Megan Street and Wild Cattle Creek; Bridge Street separating section 2 from section 3; Nyngan Street between Megan Street and Myrtle Street; road northwest of portion 284; Myrtle Street extending from that part closed by Government Gazette of 26th January, 1973, generally southeasterly to the southwesterly prolongation of the northwestern boundary of portion 284; road generally south of portion 219 extending southwesterly from the northeasterly prolongation of the northernmost northwestern boundary of portion 283 to the part of Myrtle Street closed by Government Gazette of 26th January, 1973; lanes within sections 2 and 3. Rds 73-1722.

NOTE: If closed it is intended to include the roads and lanes in Conditional Purchase 1972-30 Bellingen.

*Land District—Dubbo; Shire—Timbreebongie*

Parish Gundong, County Narromine, at Tomingley West, road southeast of portions 140, 139, 138, end of road, portions 137, 136, and 135; road separating portion 127, end of lane and portion 138 from portion 128, end of lane and portion 137; lane separating portions 126 and 127 from portions 139 and 138; lane separating portions 128, 129, and 130 from portions 137, 136, and 135. Rds 73-1723.

NOTE: If closed it is intended to include the roads and lanes in the disposal of adjoining lands.

*Land District and Shire—Scone*

Parish Oldcastle, County Durham, reserved road within portion 156. Rds 73-1727.

NOTE: If closed it is intended to include the road in Special Lease 1959-1 Scone.

*Land District—Bathurst; Shire—Turon*

Parish Wiagdon, County Roxburgh, at Wattle Flat. Part road within portion 339 west of the northerly prolongation of the western boundary of portion 298. Rds 73-1747.

NOTE: If closed it is intended to include the road in Conditional Purchase 1973-17 Bathurst.

*Land District—Maitland; Shire—Port Stephens*

Parish and Town Seaham, County Durham. Duncan Street, north of section 31. Rds 73-1748.

NOTE: If closed, it is intended to include the road in the proposed Seaham Swamp Nature Reserve.

*Land District and Shire—Bellingen*

Parish Bligh, County Fitzroy, at Dorrigo. Butt Street, between Mahogany Street and Bielsdown Creek. Rds 73-1749.

NOTE: If closed, it is intended to include the road in Conditional Purchase 1972/32 Bellingen.

*Land District and Shire—Coonamble*

Parish Warrie, County Ewenmar, Suburban Lands Gular. Roads 20.115 metres wide within and adjoining the south-western and northwestern boundaries of R. 36723, for Village, notified 21st November, 1903. Rds 73-1764.

NOTE: If closed, it is intended to include the road in the disposal of adjoining lands.

*Land District—Braidwood; Shire—Tallaganda*

Parish Araluen, County St Vincent, Village Araluen North, lane within section 8. Rds 73-1765.

NOTE: If closed, it is intended to include the lane in the disposal of adjoining lands.

*Land District and Shire—Gloucester*

William James Treeves Flannery. Road separating lot 5, of Bakers Creek subdivision, shown in F.P. 979573, from lots 46 and 47, of Gangat subdivision, shown in F.P. 975295, exclusive of that part necessary to maintain continuity of Trunk Road No. 90, as shown on plan catalogued Ms 158 Te R, in the Department of Lands, Sydney. Private Parish Gloucester, County Gloucester. Rds 73-1771.

*Land District—Young; Shire—Burrangong*

Myrtle Dorothy Hinton. Road separating portions 1627, 2081, 2089 and 1592 from portion 1329, end of road, portions 2041 and part 1299, Parish of Young, County of Monteagle. Rds 73-1782.

*Land District—Moss Vale; Shire—Mittagong*

Parish Jellore, County Camden, easternmost reserved road within portion 149. Rds 73-1805.

NOTE: If closed, it is intended to include the road in Special Lease 1972/9 Moss Vale.

*Land District—Nowra; Shire—Shoalhaven*

Parish and Town Nowra, County St Vincent, part Maclean Street north of lots 12, 13 and 14, D.P. 239397. Rds 73-1806.

NOTE: If closed, it is intended to reserve the road for the purposes of Public Recreation.

*Land District and Municipality—Parkes*

Parish Parkes, County Ashburnham, reserved road within portion 401. Rds 73-1809.

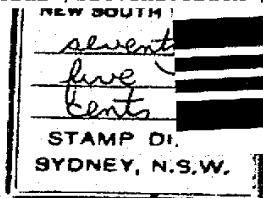
NOTE: If closed, it is intended to include the road in Conditional Purchase 1973/5 Parkes.

*Land District—Wagga Wagga; Shire—Tumut*

Parish Dutzon, County Wynyard, the part of the public road R. 10414-1603 within portion 2, not included in the survey of and not required to preserve continuity of the proposed new road R. 34125-1603R. (Council's reference 2/143; D.M.R. 439.176.) Rds 73-1812.

*Land District—Taree; Shire—Manning*

Neil James Paterson. Road separating portions 166 and 167, Parish Tuncurry, from portion 27, Parish Beryan, County Gloucester, exclusive of that part required to maintain continuity of public road, catalogued R. 6621-1603R in the Department of Lands, Sydney. Rds 73-1814.



New South Wales



CANCELLED



12406201

Vol. 12406 Fol. 201

Registered 6-5-1974

Registrar General.

SEE AITO FOLIO

No. 1974/374

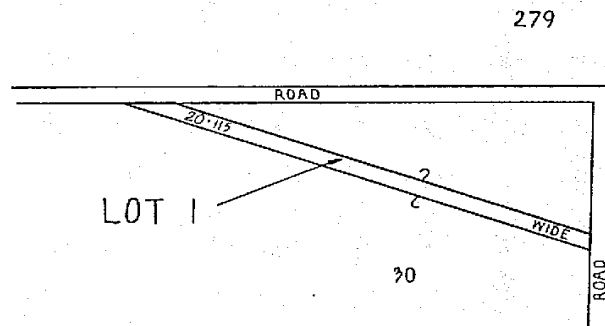
## GRANT UPON PURCHASE OF UNNECESSARY ROAD (UNDER THE PUBLIC ROADS ACT, 1902)

ELIZABETH the SECOND, by the Grace of God Queen of Australia and Her other Realms and Territories, Head of the Commonwealth:-  
To All to whom these Presents shall come, Greeting:-

Whereas WALDEL PTY. LIMITED

(hereinafter called the GRANTEE ) being the owner of land adjoining the land hereinafter described and intended to be hereby granted (formerly a road which was duly closed in accordance with the provisions of the Public Roads Act, 1902) agreed to have such land granted to it upon payment of the sum of two hundred and forty three dollars eighty nine cents being the value thereof agreed upon between Our Minister for Lands and the GRANTEE AND WHEREAS the said sum has been duly paid and all things required by law to be done to entitle the GRANTEE to a Grant of the fee simple of the said land subject to the Reservations and Exceptions hereinafter contained have been done and performed NOW THESE PRESENTS WITNESS That in consideration of the premises WE DO HEREBY GRANT unto the GRANTEE Subject to the Reservations and Exceptions hereinafter contained ALL THAT parcel of land containing by admeasurement nine thousand eight hundred and seventy square metres be the same more or less situated in the County of Macquarie Parish of Arakoon Being the closed road within portion 30 and being Lot 1 in Deposited Plan No.246579

NORTH



AREA : 9870 m<sup>2</sup>

SCALE  
0 50 100 200 400  
LENGTHS ARE IN METRES

As per Plan hereon TO HOLD unto the GRANTEE in fee simple PROVIDED NEVERTHELESS AND WE DO HEREBY RESERVE AND EXCEPT unto Us Our Heirs and Successors all minerals which the said Land contains with full power and authority for Us Our Heirs and Successors and such person or persons as shall from time to time be authorised by Us or Them to enter upon the said Land and to search for mine dig and remove the said minerals AND ALSO all such parts and so much of the said Land as may hereafter be required for public ways in over and through the same to be set out by Our Governor for the time being of Our said State or some person by him authorised in that respect with full power for Us Our Heirs and Successors and for Our Governor as aforesaid by such person or persons as shall be by Us Them or him authorised in that behalf to make and conduct all such public ways And the right of full and free ingress egress and regress into out of and upon the said Land for the several purposes aforesaid or any of them IN TESTIMONY WHEREOF We have caused this Our Grant to be Sealed with the Seal of Our said State

Witness Our Governor of Our State of New South Wales and its Dependencies in the Commonwealth of Australia, at Sydney in Our said State, this twenty second day of April in the twenty third year of Our Reign and in the year of Our Lord one Thousand nine hundred and seventy four

A. A. Butler  
Governor



REGISTERED PROPRIETOR

**NATURE**

INSTRUMENT

NUMBER

DATE \_\_\_\_\_

ENTERED

Signature of  
Registrar-General



NATURE

INSTRUMENT	
NUMBER	

NUMBER

DATE \_\_\_\_\_

### PARTICULARS

ENTERED

Signature of Registrar-General

### CANCELLATION

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR-GENERAL ARE CANCELLED



SEARCH DATE

10/12/2024 1:07PM

FOLIO: 1/246579

First Title(s): SEE PRIOR TITLE(S)

Prior Title(s): VOL 12406 FOL 201

Recorded	Number	Type of Instrument	C.T. Issue
5/6/1987		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
3/12/1987		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
4/8/2004	AA851788	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	
10/8/2004	DP1071657	DEPOSITED PLAN	FOLIO CANCELLED

\*\*\* END OF SEARCH \*\*\*



LAND  
REGISTRY  
SERVICES

# Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

10/12/2024 1:17PM

FOLIO: 22/1071657

First Title(s): VOL 11111 FOL 148 VOL 12406 FOL 201  
Prior Title(s): 1/246579 2/645213

Recorded	Number	Type of Instrument	C.T. Issue
10/8/2004	DP1071657	DEPOSITED PLAN	FOLIO CREATED EDITION 1
4/9/2013	DP1188339	DEPOSITED PLAN	FOLIO CANCELLED

\*\*\* END OF SEARCH \*\*\*



LAND  
REGISTRY  
SERVICES

# Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

10/12/2024 1:17PM

FOLIO: 2/1188339

First Title(s): VOL 11111 FOL 148 VOL 12406 FOL 201  
Prior Title(s): 22/1071657

Recorded	Number	Type of Instrument	C.T. Issue
4/9/2013	DP1188339	DEPOSITED PLAN	FOLIO CREATED EDITION 1
31/10/2013	AI129598	MORTGAGE	EDITION 2
31/3/2015	DP1194600	DEPOSITED PLAN	FOLIO CANCELLED

\*\*\* END OF SEARCH \*\*\*



LAND  
REGISTRY  
SERVICES

# Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

9/12/2024 6:27PM

FOLIO: 6/1194600

First Title(s): VOL 11111 FOL 148 VOL 12406 FOL 201  
Prior Title(s): 2/1188339

Recorded	Number	Type of Instrument	C.T. Issue
31/3/2015	DP1194600	DEPOSITED PLAN	FOLIO CREATED EDITION 1
17/6/2016	DP1219664	DEPOSITED PLAN	FOLIO CANCELLED

\*\*\* END OF SEARCH \*\*\*





SEARCH DATE

9/12/2024 6:26PM

FOLIO: 9/1219664

First Title(s): VOL 11111 FOL 148 VOL 12406 FOL 201

Prior Title(s): 6/1194600

Recorded	Number	Type of Instrument	C.T. Issue
17/6/2016	DP1219664	DEPOSITED PLAN	FOLIO CREATED EDITION 1
16/11/2022	AS639237	DISCHARGE OF MORTGAGE	EDITION 2
17/5/2023	AS947457	WITHDRAWN - POSITIVE COVENANT	
31/5/2023	AT113787	WITHDRAWN - RELEASE OR EXTINGUISHMENT OF POSITIVE COVENANT	
1/6/2023	AT113786	POSITIVE COVENANT	EDITION 3
7/6/2023	AT137088	POSITIVE COVENANT	EDITION 4
12/7/2023	AT200924	TRANSFER GRANTING EASEMENT	EDITION 5

\*\*\* END OF SEARCH \*\*\*



FOLIO: 9/1219664

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SEARCH DATE	TIME	EDITION NO	DATE
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9/12/2024	6:24 PM	5	12/7/2023

LAND

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LOT 9 IN DEPOSITED PLAN 1219664  
AT SOUTH WEST ROCKS  
LOCAL GOVERNMENT AREA KEMPSEY  
PARISH OF ARAKOOON COUNTY OF MACQUARIE  
TITLE DIAGRAM DP1219664

FIRST SCHEDULE

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WILLIAM BARRY WALLS  
MARGARET ELAINE WALLS  
AS JOINT TENANTS

SECOND SCHEDULE (10 NOTIFICATIONS)

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- 1 LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND  
CONDITIONS IN FAVOUR OF THE CROWN - SEE CROWN GRANT(S)
- 2 DP1194600 EASEMENT FOR MULTI-PURPOSE POWER LINE(S) 2 METRE(S)  
WIDE AND VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO  
BURDENED IN THE TITLE DIAGRAM
- 3 DP1194600 EASEMENT FOR OVERHEAD POWER LINE(S) 20 METRE(S) WIDE  
AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE  
DIAGRAM
- 4 DP1194600 EASEMENT FOR MULTI-PURPOSE POWER LINE(S) 5 METRE(S)  
WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE  
TITLE DIAGRAM
- 5 DP1194600 POSITIVE COVENANT REFERRED TO AND NUMBERED (7) IN THE  
S.88B INSTRUMENT
- 6 DP1194600 RESTRICTION(S) ON THE USE OF LAND REFERRED TO AND  
NUMBERED (9) IN THE S.88B INSTRUMENT
- 7 DP1219664 RIGHT OF ACCESS VARIABLE WIDTH AFFECTING THE PART(S)  
SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 8 AT113786 POSITIVE COVENANT
- 9 AT137088 POSITIVE COVENANT
- 10 AT200924 EASEMENT FOR FIRE TRAIL 25 WIDE AFFECTING THE PART  
DESIGNATED (Z) IN PLAN WITH AT200924

NOTATIONS

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UNREGISTERED DEALINGS: NIL

\*\*\* END OF SEARCH \*\*\*

157 Arakoon Road, South West Rocks... PRINTED ON 9/12/2024



# Annex D



# LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

**Date: 03 Dec 2024 11:49:35**

**Reference: LS068584 EP**

**Address: 157 Arakoon Road, South West Rocks, NSW 2431**

**Disclaimer:**

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

## Dataset Listing

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

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Customer Service - Spatial Services	24/07/2024	24/07/2024	Quarterly	-	-	-	-
Topographic Data	NSW Department of Customer Service - Spatial Services	21/05/2024	21/05/2024	Annually	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority NSW	21/11/2024	08/11/2024	Monthly	1000m	0	0	0
Contaminated Land Records of Notice	Environment Protection Authority NSW	21/11/2024	21/11/2024	Monthly	1000m	0	0	0
Former Gasworks	Environment Protection Authority NSW	21/11/2024	14/07/2021	Quarterly	1000m	0	0	0
Notices under the POEO Act 1997	Environment Protection Authority NSW	30/10/2024	30/10/2024	Monthly	1000m	0	2	2
National Waste Management Facilities Database	Geoscience Australia	29/04/2024	29/11/2022	Annually	1000m	0	1	2
National Liquid Fuel Facilities	Geoscience Australia	16/10/2024	07/09/2020	Annually	1000m	0	0	2
EPA PFAS Investigation Program	Environment Protection Authority NSW	18/11/2024	14/06/2024	Monthly	2000m	0	0	1
Defence PFAS Investigation & Management Program - Investigation Sites	Australian Department of Defence	02/12/2024	28/10/2024	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Australian Department of Defence	02/12/2024	28/10/2024	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	02/12/2024	02/12/2024	Monthly	2000m	0	0	0
Defence Controlled Areas	Australian Department of Defence	22/10/2024	22/10/2024	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Australian Department of Defence	18/11/2024	02/09/2022	Quarterly	2000m	0	0	0
National Unexploded Ordnance (UXO)	Australian Department of Defence	22/10/2024	22/10/2024	Quarterly	2000m	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority NSW	28/11/2024	15/12/2022	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority NSW	26/11/2024	26/11/2024	Monthly	1000m	0	0	1
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority NSW	26/11/2024	26/11/2024	Monthly	1000m	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority NSW	26/11/2024	26/11/2024	Monthly	1000m	0	4	5
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 Department of Primary Industries	15/10/2024	15/10/2024	Annually	1000m	0	0	0
Points of Interest	NSW Department of Customer Service - Spatial Services	19/11/2024	19/11/2024	Quarterly	1000m	0	0	10
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/11/2024	19/11/2024	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/11/2024	19/11/2024	Quarterly	1000m	0	0	3
Major Easements	NSW Department of Customer Service - Spatial Services	21/11/2024	21/11/2024	Quarterly	1000m	0	0	6
State Forest	Forestry Corporation of NSW	12/12/2023	11/12/2023	Annually	1000m	0	0	0

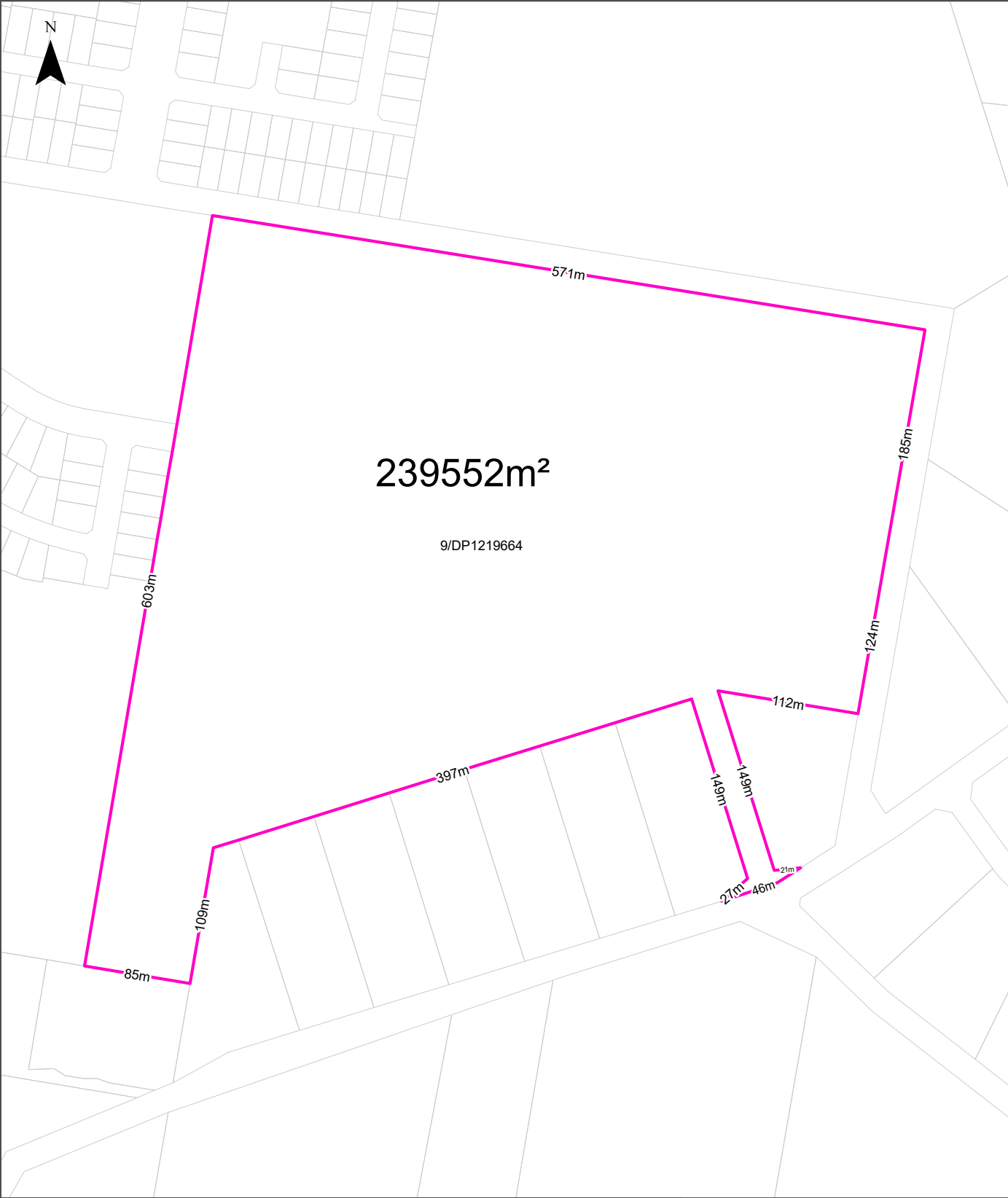


Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Hydrogeology Map of Australia	Geoscience Australia	17/04/2024	19/08/2019	Annually	1000m	1	1	1
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2024	NSW Department of Climate Change, Energy, the Environment and Water	11/11/2024	28/06/2024	Quarterly	1000m	0	0	0
National Groundwater Information System (NGIS) Boreholes	Bureau of Meteorology; Water NSW	28/05/2024	20/06/2023	Annually	2000m	1	1	138
NSW Seamless Geology Single Layer: Rock Units	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	Annually	1000m	5	7	16
NSW Seamless Geology Single Layer: Geological Boundaries and Faults	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Trendlines	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	Annually	1000m	0	0	0
NSW Seamless Geology Single Layer: Fold Axes	NSW Department of Primary Industries and Regional Development	17/05/2024	01/05/2024	Annually	1000m	0	0	0
Naturally Occurring Asbestos Potential	NSW Department of Regional NSW	26/04/2024	14/03/2024	Annually	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	12/01/2024	17/02/2011	Annually	1000m	2	2	3
Soil Landscapes of Central and Eastern NSW	NSW Department of Climate Change, Energy, the Environment and Water	12/12/2023	27/07/2020	Annually	1000m	3	6	15
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Housing and Infrastructure	20/11/2024	18/10/2024	Monthly	500m	2	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	12/01/2024	21/02/2013	Annually	1000m	3	3	3
Dryland Salinity - National Assessment	Australian Bureau of Agricultural and Resource Economics and Sciences	03/06/2024	24/05/2024	Annually	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service	21/11/2024	21/11/2024	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Regional NSW	21/11/2024	21/11/2024	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Regional NSW	21/11/2024	21/11/2024	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Regional NSW	21/11/2024	21/11/2024	Monthly	1000m	3	3	3
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Housing and Infrastructure	20/11/2024	08/09/2023	Monthly	1000m	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Housing and Infrastructure	20/11/2024	08/11/2024	Monthly	1000m	1	4	27
Commonwealth Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	25/11/2024	06/09/2024	Quarterly	1000m	0	0	0
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Housing and Infrastructure	20/11/2024	08/11/2024	Monthly	1000m	0	0	2
Bush Fire Prone Land	NSW Rural Fire Service	21/11/2024	19/07/2024	Monthly	1000m	2	3	4
NSW Native Vegetation Type Map	NSW Department of Climate Change, Energy, the Environment and Water	27/11/2024	08/11/2024	Quarterly	1000m	6	18	151
Ramsar Wetlands of Australia	Australian Department of Climate Change, Energy, the Environment and Water	16/05/2024	11/04/2024	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Terrestrial	Australian Department of Climate Change, Energy, The Environment and Water	04/03/2024	30/06/2022	Annually	1000m	0	1	1
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Marine	Australian Department of Climate Change, Energy, The Environment and Water	04/03/2024	30/06/2022	Annually	1000m	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Groundwater Dependent Ecosystems	Bureau of Meteorology	28/05/2024	28/05/2024	Annually	1000m	2	3	5
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/05/2024	28/05/2024	Annually	1000m	2	4	9
NSW BioNet Species Sightings	NSW Department of Climate Change, Energy, the Environment and Water	10/09/2024	10/09/2024	Monthly	10000m	-	-	-

# Site Diagram

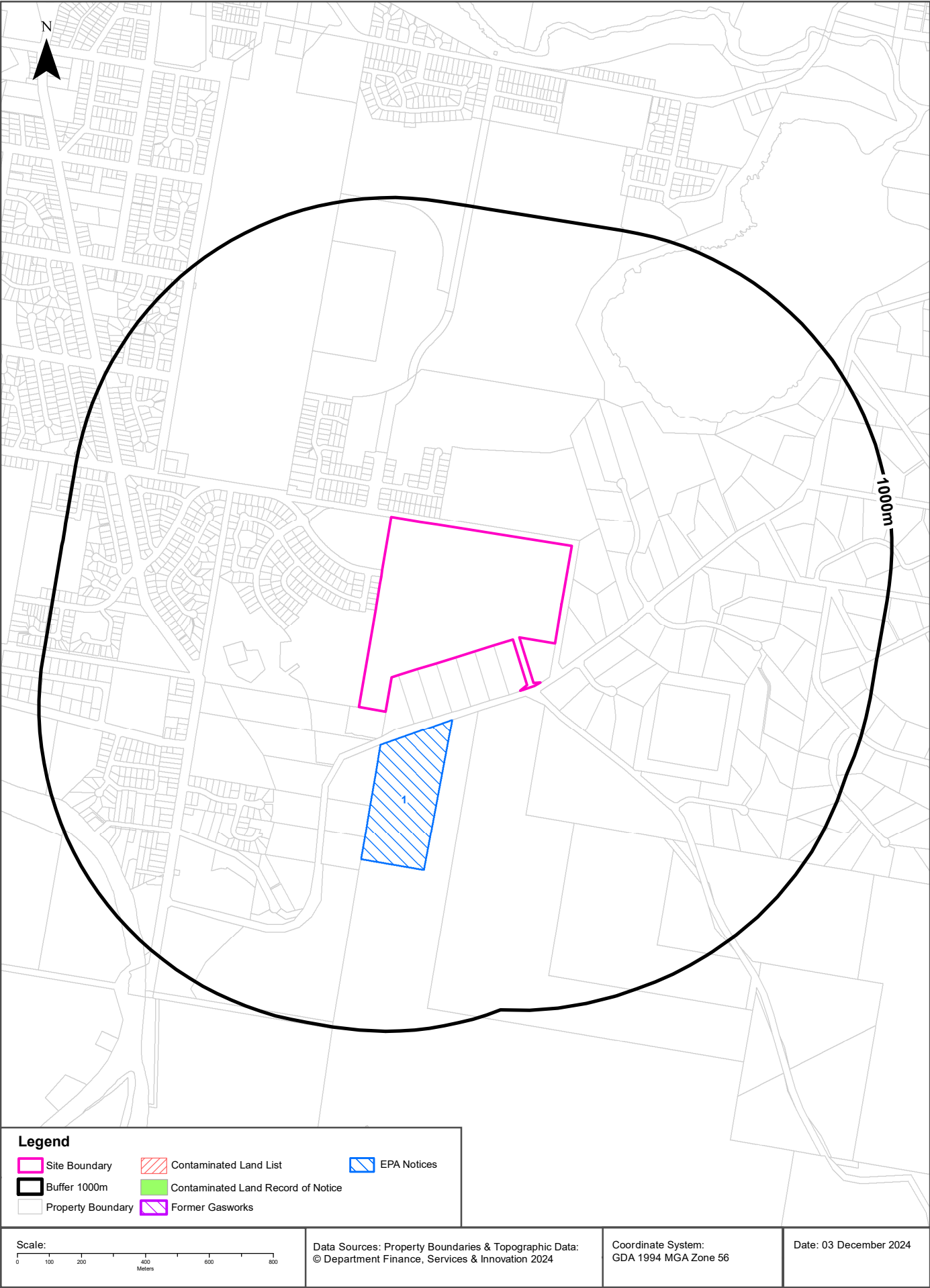
157 Arakoon Road, South West Rocks, NSW 2431



<b>Legend</b> <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	<b>Total Area:</b> 239552m <sup>2</sup> <b>Total Perimeter:</b> 2.6km  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.	<b>Scale:</b> 0 25 50 100 150 200 Meters  Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2024  Coordinate System: GDA 1994 MGA Zone 56  Date: 03 December 2024
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# Contaminated Land

157 Arakoon Road, South West Rocks, NSW 2431



# Contaminated Land

157 Arakoon Road, South West Rocks, NSW 2431

## 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

157 Arakoon Road, South West Rocks, NSW 2431

### 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

## Contaminated Land

157 Arakoon Road, South West Rocks, NSW 2431

### EPA Notices

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

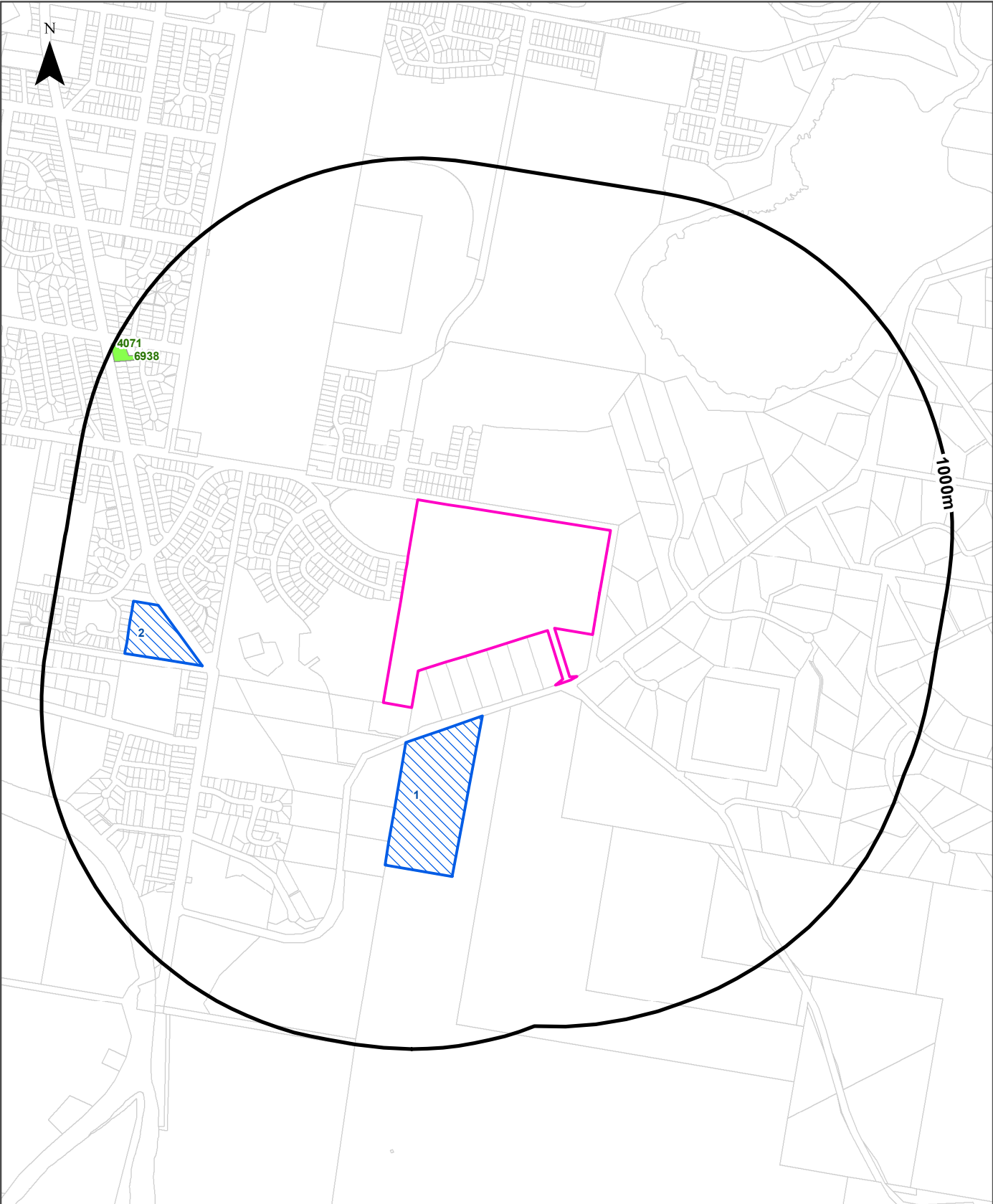
Map ID	Number	Type	Name	Address	Status	Issued Date	Act	Offence	Offence Date	Loc Conf	Dist	Dir
1	<a href="#">1506482</a>	s.91 Clean Up Notice	Mid Coast Skip Bins & Metal Recycling Pty Ltd.	Arakoon Road, SOUTH WEST ROCKS, NSW 2431	Issued	10/08/2012				Premise Match	92m	South
	<a href="#">1510385</a>	s.92 Clean Up Notice	KEMPSEY SHIRE COUNCIL	Arakoon Road, SOUTH WEST ROCKS, NSW 2431	Issued	17/01/2013				Premise Match	92m	South

NSW EPA Notice Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

# Waste Management & Liquid Fuel Facilities

157 Arakoon Road, South West Rocks, NSW 2431



<b>Legend</b>			
Site Boundary	Waste Management Facilities		
Buffer 1000m	National Liquid Fuel Facilities		
Property Boundary			
<b>Scale:</b> 0 100 200 400 600 800 Meters		Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2024	Coordinate System: GDA 1994 MGA Zone 56
			Date: 03 December 2024

# Waste Management & Liquid Fuel Facilities

157 Arakoon Road, South West Rocks, NSW 2431

## National Waste Management Facilities Database

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

Map ID	Owner	Name	Address	Management Type	Facility Type	Status	Loc Conf	Dist	Dir
1	KEMPSEY SHIRE COUNCIL	SOUTH WEST ROCKS TRANSFER STATION	ARAKOON ROAD, SOUTH WEST ROCKS	DROP-OFF	TRANSFER STATION	OPERATIONAL	Premise Match	91m	South
2	COLES	COLES SUPERMARKET	255-279 GREGORY STREET, SOUTH WEST ROCKS	DROP-OFF	SOFT PLASTICS DROP-OFF FACILITY	OPERATIONAL	Premise Match	540m	West

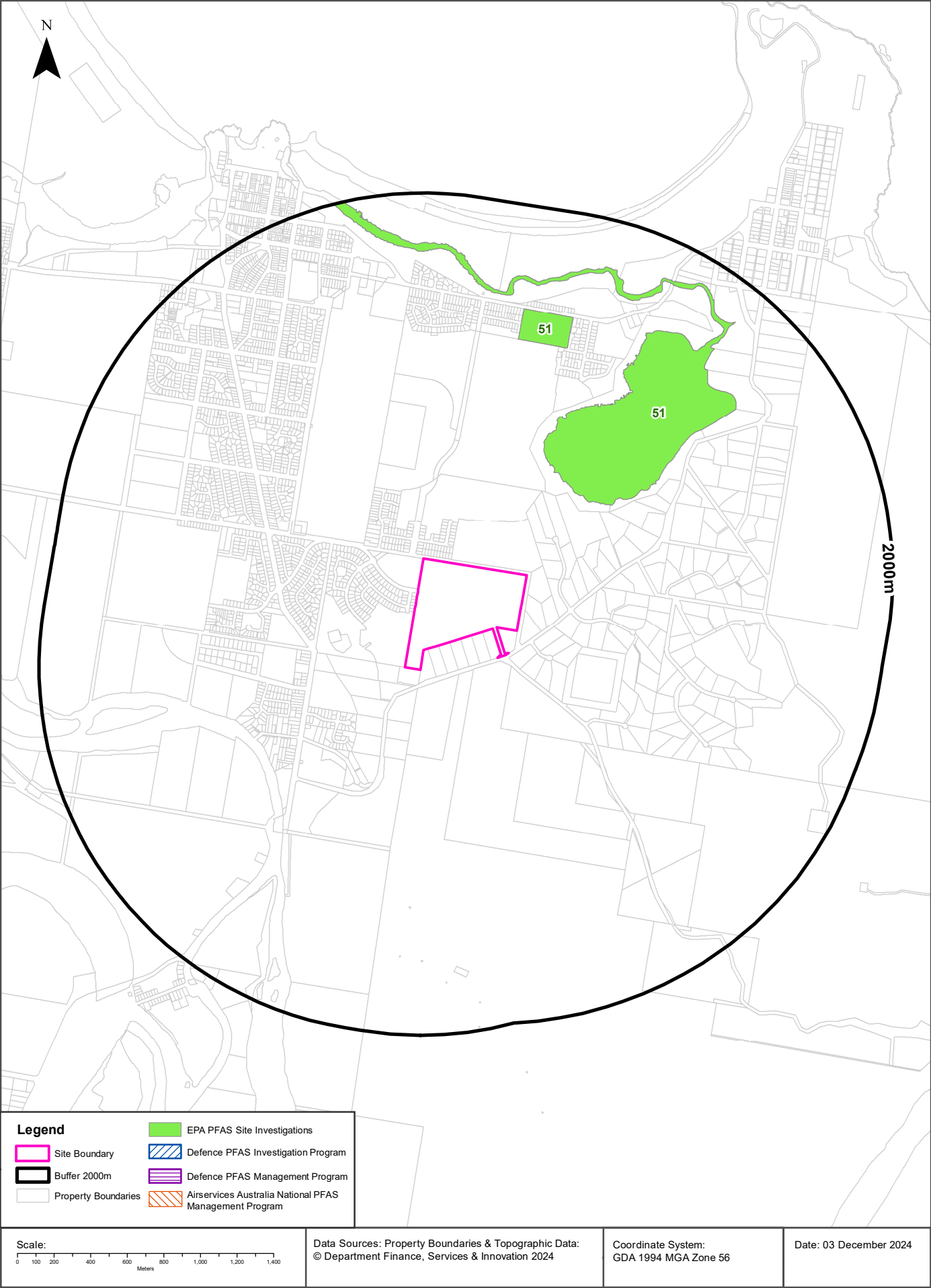
Source: Waste Management Facilities Database  
Creative Commons 4.0 © Commonwealth of Australia (Geoscience Australia) 2022

## 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
4071	Shell	Eastern Creek Perform	158-162 Gregory Street	South West Rocks	Petrol Station	Operational		25/07/2011	Premise Match	928m	North West
6938	SHELL	SHELL SOUTHWEST ROCKS	158-162 GREGORY STREET	SOUTH WEST	PETROL STATION	OPERATIONAL			Premise Match	928m	North West

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





# PFAS Investigation & Management Programs

157 Arakoon Road, South West Rocks, NSW 2431

## 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
51	Trial Bay South West Rocks	located within Saltwater Creek	Premise Match	522m	North East

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

157 Arakoon Road, South West Rocks, NSW 2431

### 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

157 Arakoon Road, South West Rocks, NSW 2431

## EPA Other Sites with Contamination Issues

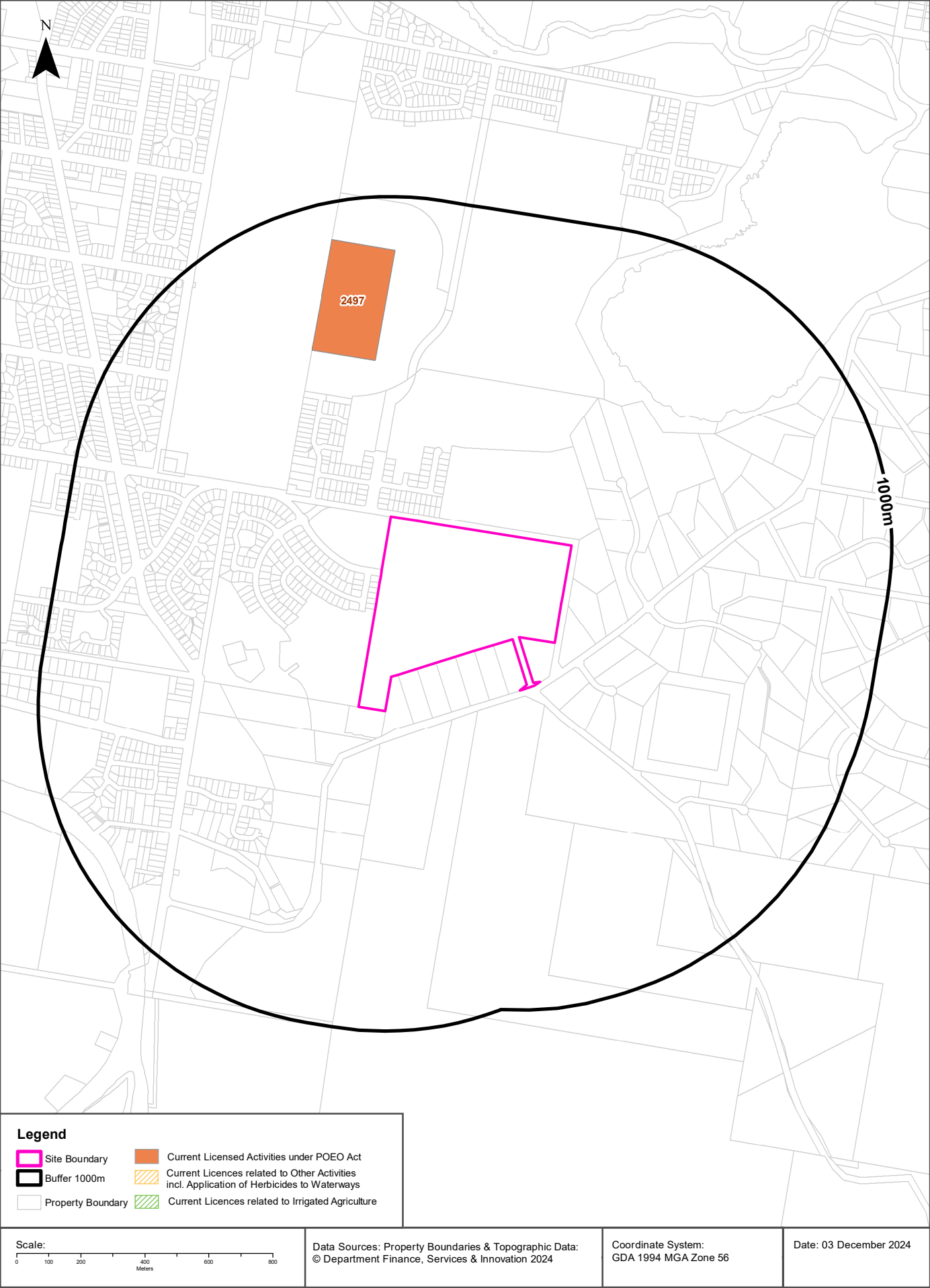
This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- 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

157 Arakoon Road, South West Rocks, NSW 2431

## Licensed Activities under the POEO Act 1997

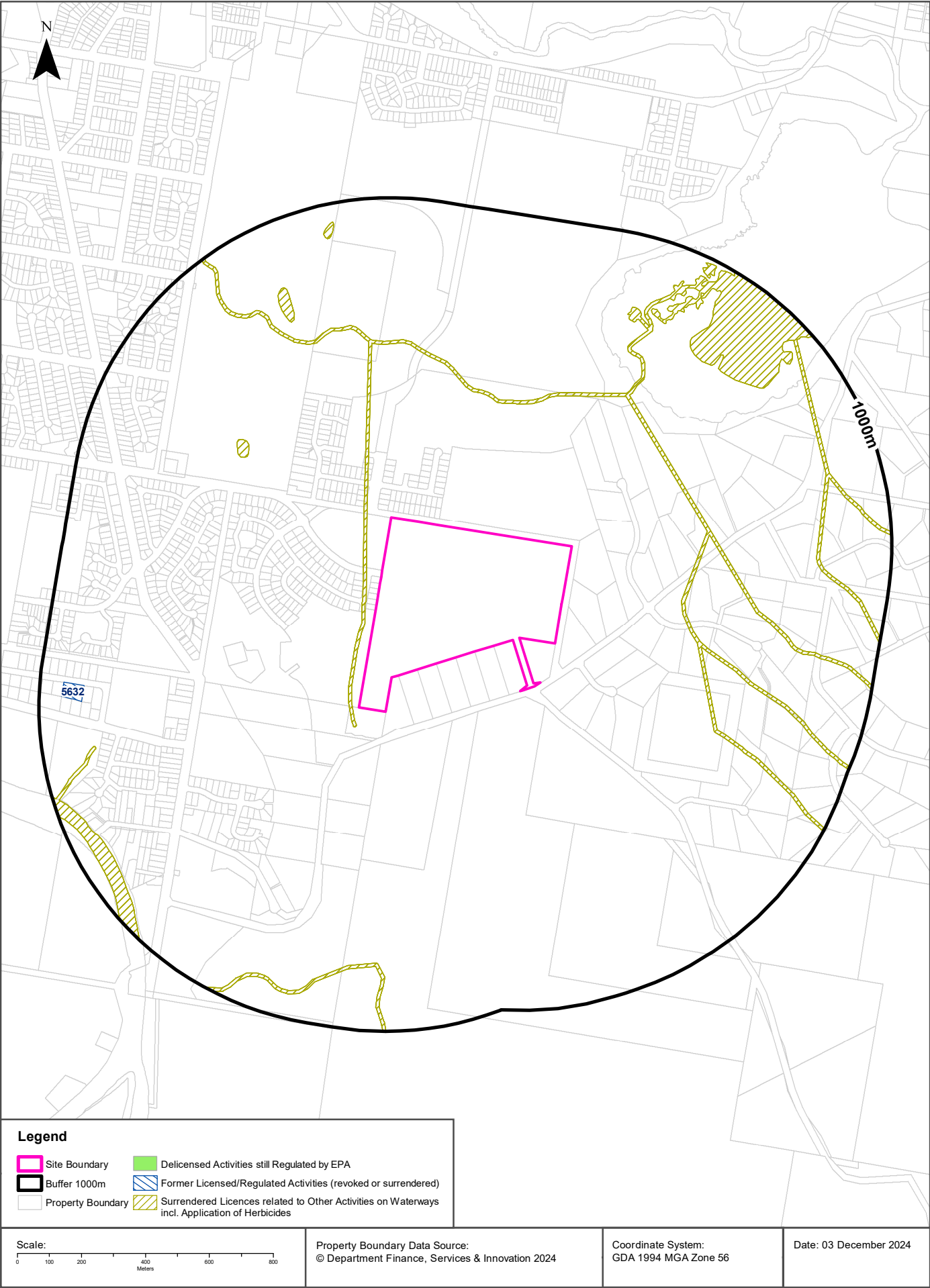
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
2497	KEMPSEY SHIRE COUNCIL	SOUTH WEST ROCKS SEWAGE TREATMENT WORKS	BELLE O'CONNOR STREET	SOUTH WEST ROCKS	Sewage treatment processing by small plants	Premise Match	491m	North

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority





## EPA Activities

157 Arakoon Road, South West Rocks, NSW 2431

### 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
4001	KEMPSEY SHIRE COUNCIL	WATERWAYS OF KEMPSEY SHIRE COUNCIL, Elbow Street, WEST KEMPSEY	Surrendered	22/08/2000	Other activities - Application of Herbicide(s)	Network of Features	20m	North East
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	20m	North East
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	20m	North East
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	20m	North East
5632	NU-MIX CONCRETE KEMPSEY PTY LTD	FREDERICK KELLY STREET, SOUTH WEST ROCKS, NSW 2431	Surrendered	31/03/2000	Concrete works	Premise Match	861m	West

Former Licensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

## Historical Business Directories

157 Arakoon Road, South West Rocks, NSW 2431

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

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

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

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

## Business Directory Records 1950-1991

### Road or Area Matches

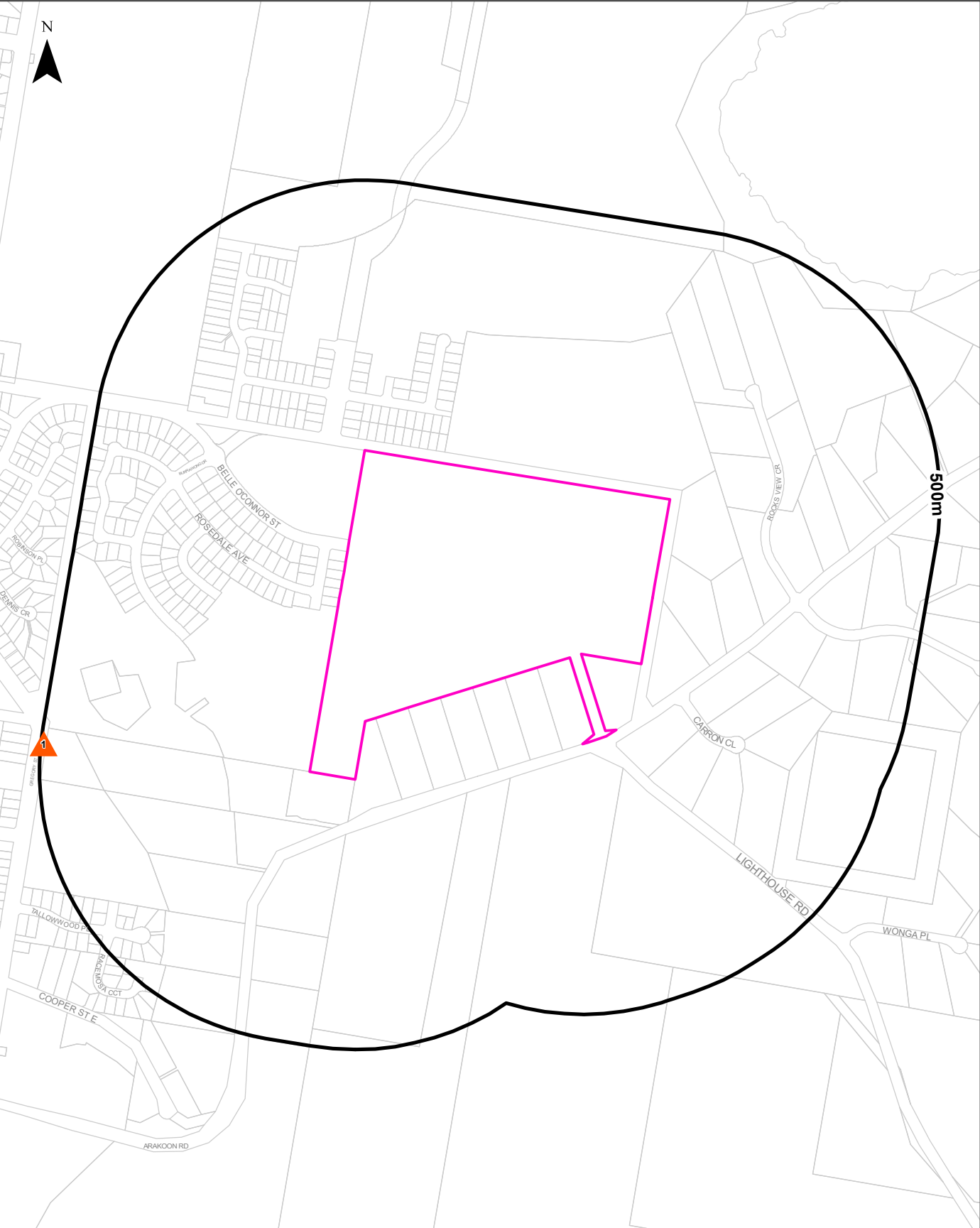
Potentially contaminative business activities extracted from Universal Business Directories from years 1991, 1982, 1970, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered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

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

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

# Dry Cleaners, Motor Garages & Service Stations

157 Arakoon Road, South West Rocks, NSW 2431



<b>Legend</b>		Scale:	Coordinate System:
Site Boundary	Business directory records mapped to a specific premise		GDA 1994 MGA Zone 56
Buffer 500m	Business directory records mapped to a road intersection		Date: 03 December 2024
Property Boundary	Business directory records mapped to a road corridor		
Business directory records mapped to a general area			

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018  
Property Boundaries © NSW Department Finance, Services & Innovation 2024



## Historical Business Directories

157 Arakoon Road, South West Rocks, NSW 2431

### 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.	Phillips, V. L. & Y. J., Gregory St., South-West Rocks,2441	618557	1970	Road Match	490m

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# Cattle Dips

157 Arakoon Road, South West Rocks, NSW 2431

## 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.



Aerial Imagery 2024

157 Arakoon Road, South West Rocks, NSW 2431





Aerial Imagery 2014

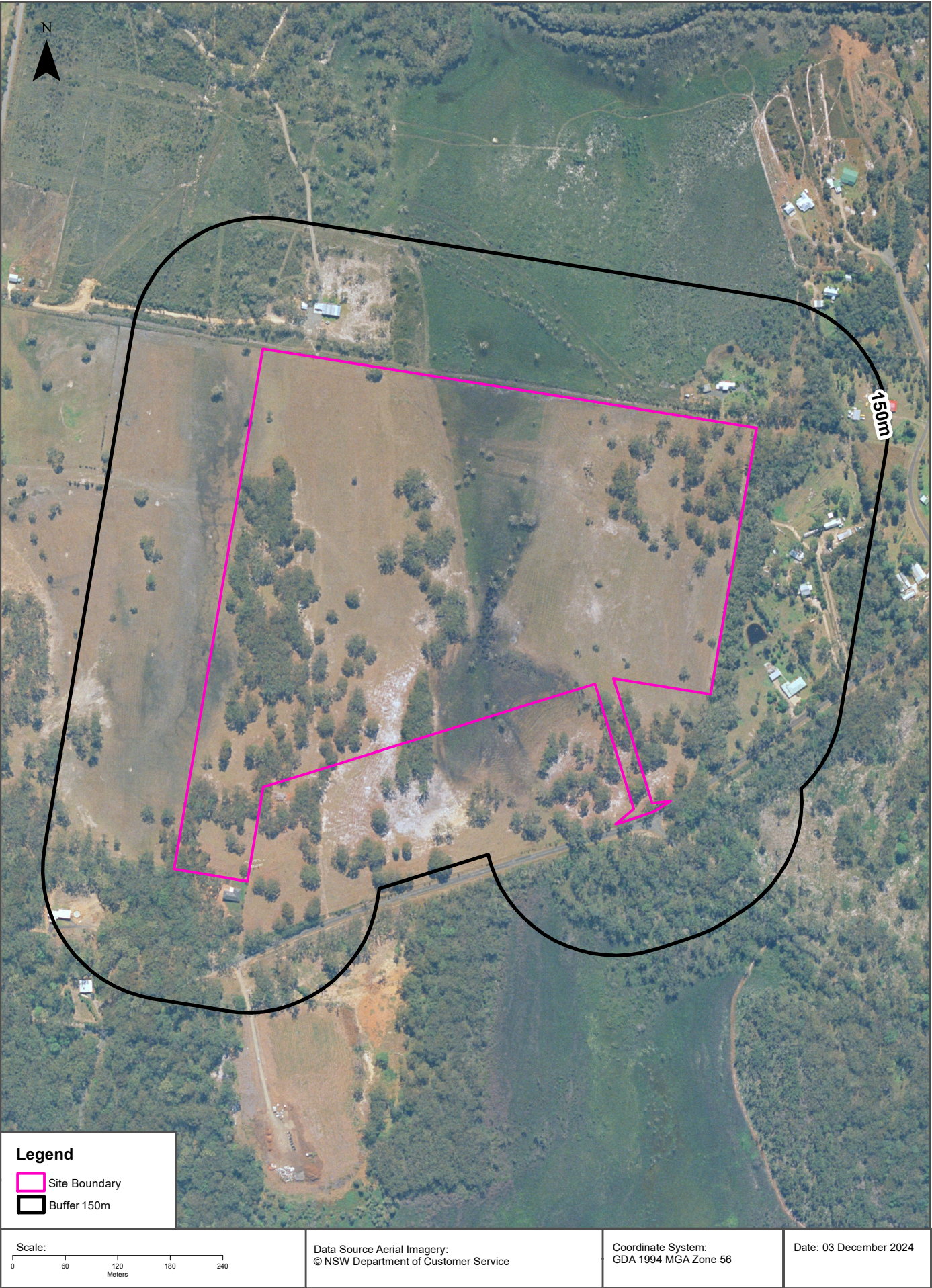
157 Arakoon Road, South West Rocks, NSW 2431





Aerial Imagery 2003

157 Arakoon Road, South West Rocks, NSW 2431





Aerial Imagery 1997

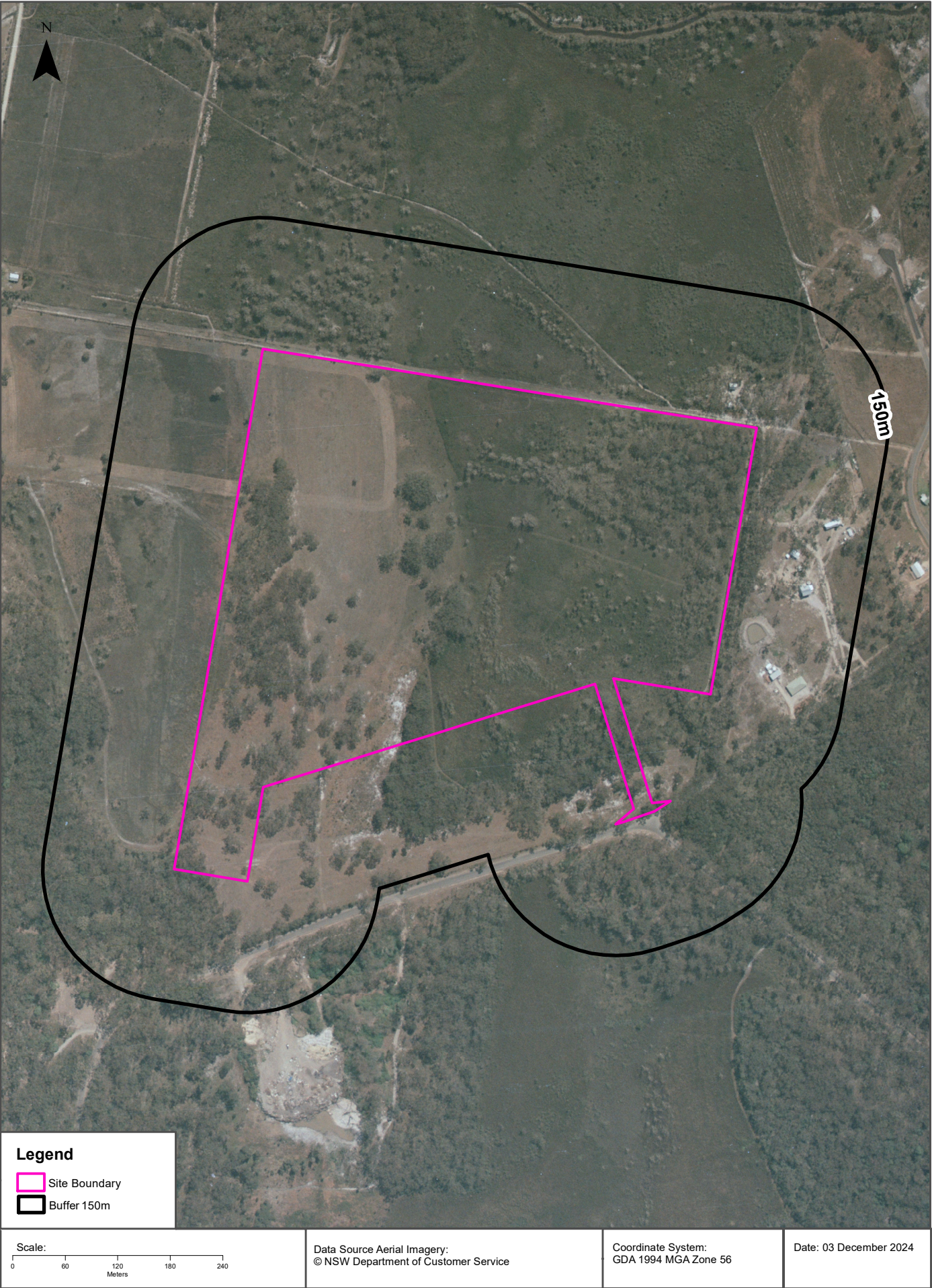
157 Arakoon Road, South West Rocks, NSW 2431





Aerial Imagery 1991

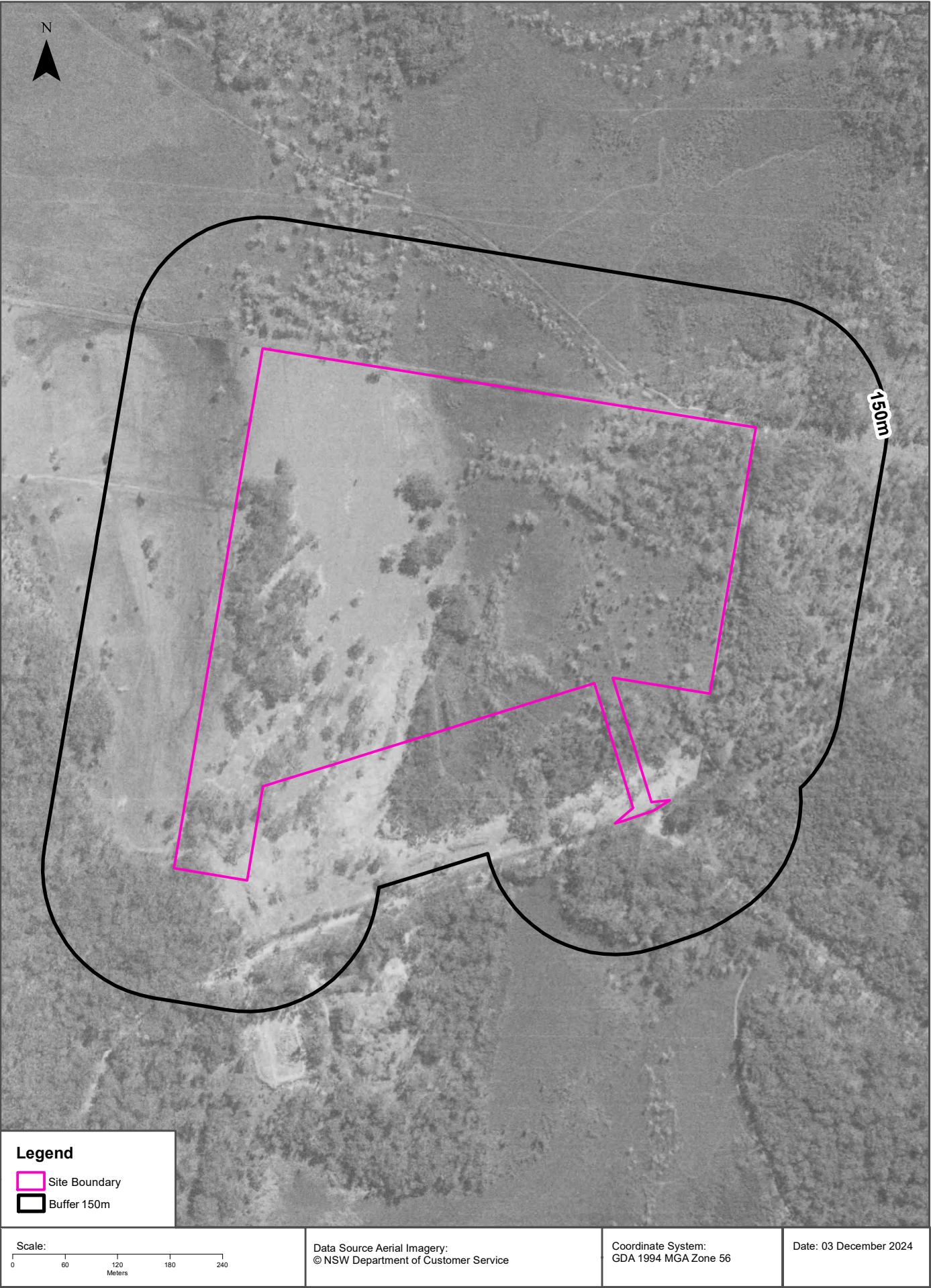
157 Arakoon Road, South West Rocks, NSW 2431





# Aerial Imagery 1980

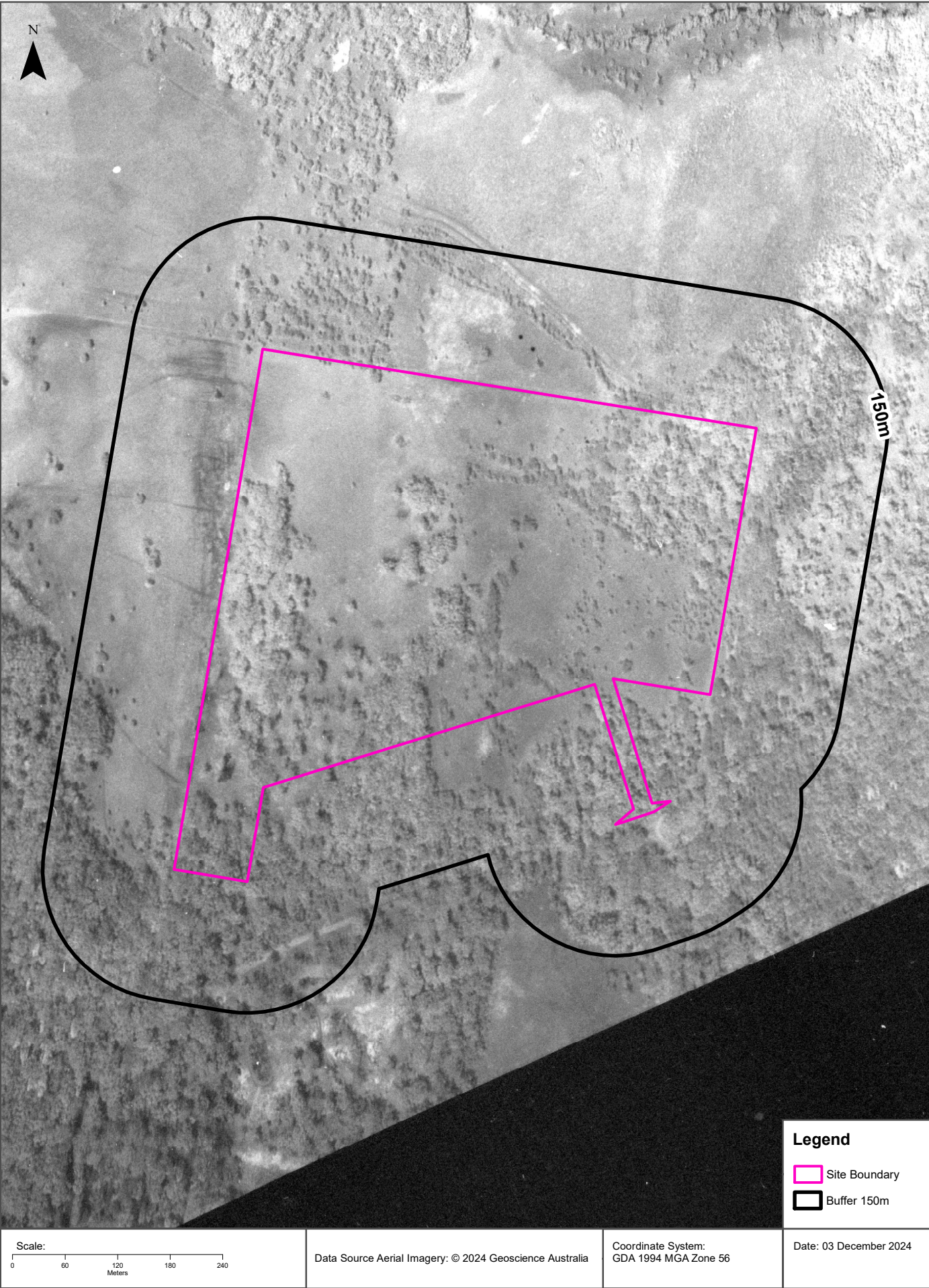
157 Arakoon Road, South West Rocks, NSW 2431





# Aerial Imagery 1975

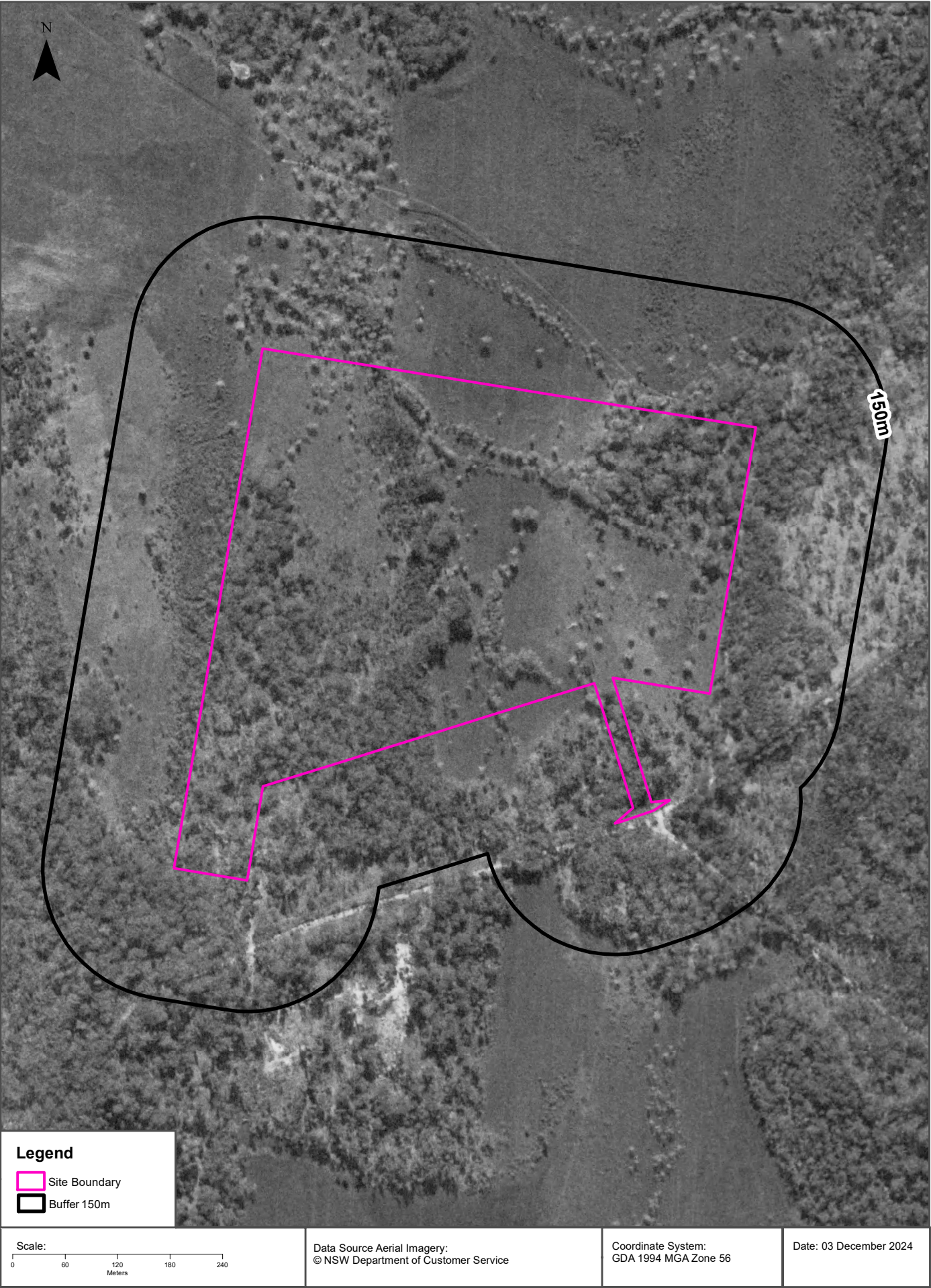
157 Arakoon Road, South West Rocks, NSW 2431





# Aerial Imagery 1967

157 Arakoon Road, South West Rocks, NSW 2431





# Aerial Imagery 1956

157 Arakoon Road, South West Rocks, NSW 2431





Aerial Imagery 1942

157 Arakoon Road, South West Rocks, NSW 2431

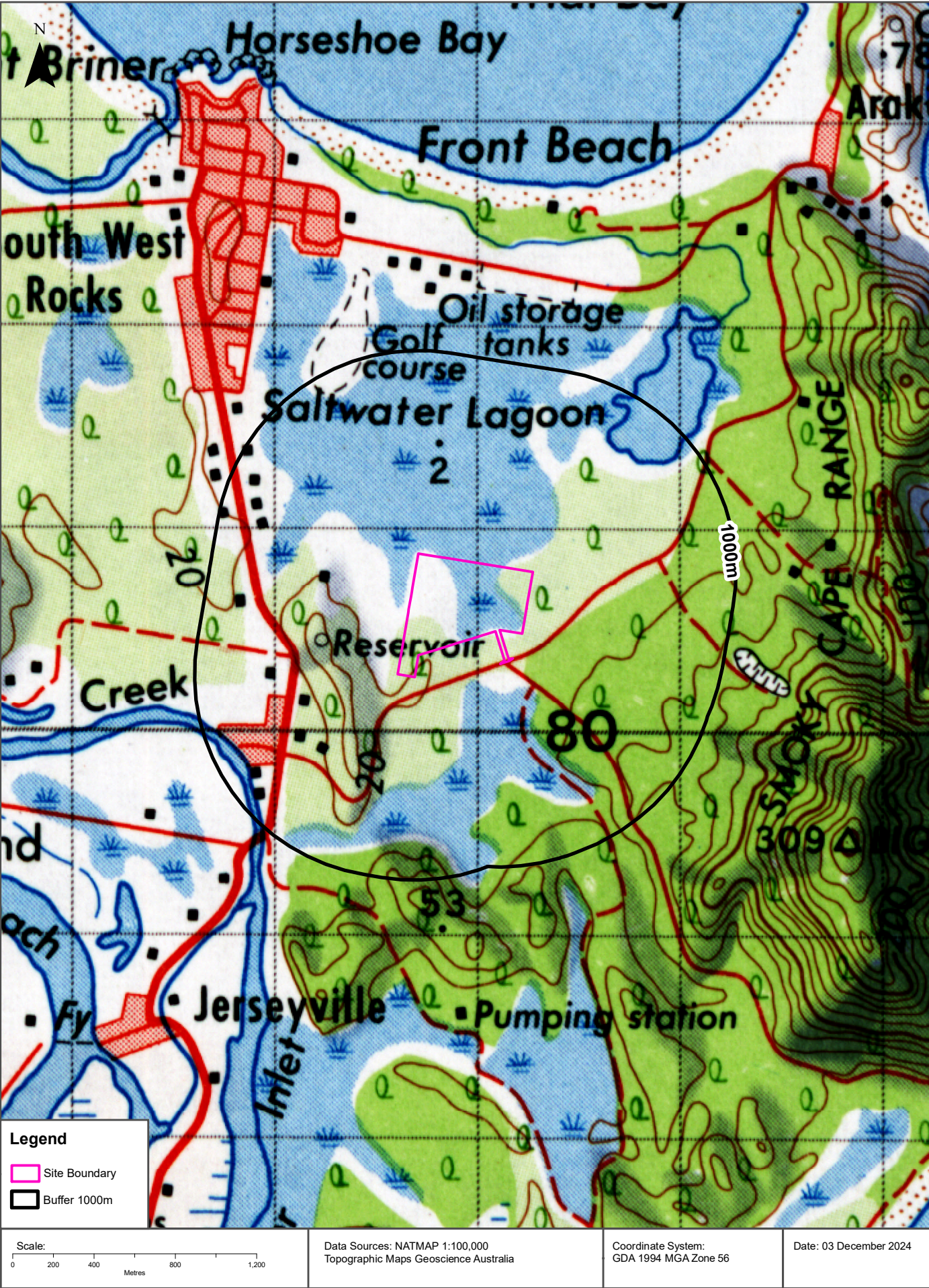


Scale: 0 60 120 180 240 Meters	Data Source Aerial Imagery: ©2022 Geoscience Australia	Coordinate System: GDA 1994 MGA Zone 56	Date: 03 December 2024
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Historical Map 1972

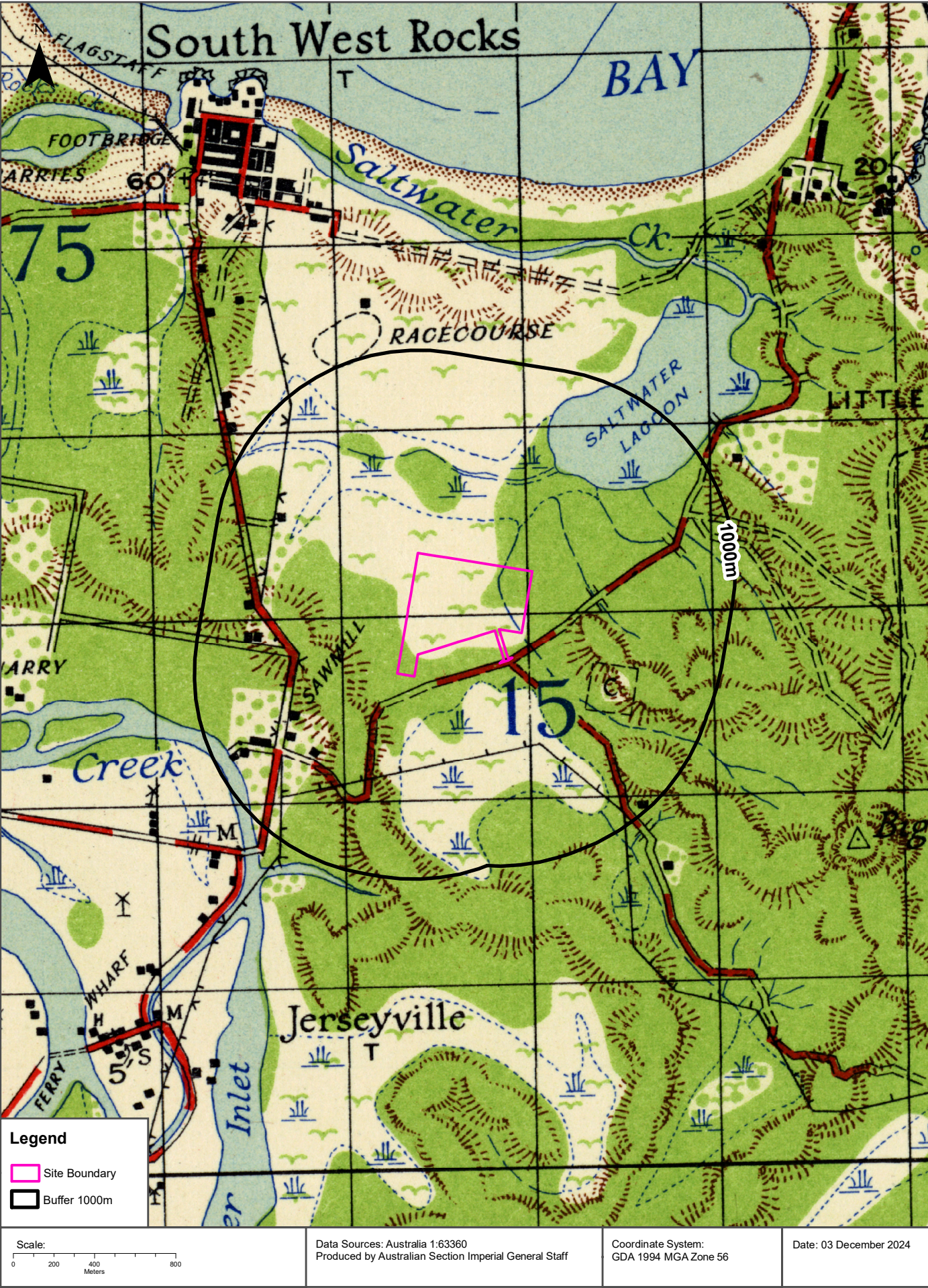
157 Arakoon Road, South West Rocks, NSW 2431





# Historical Map c.1942

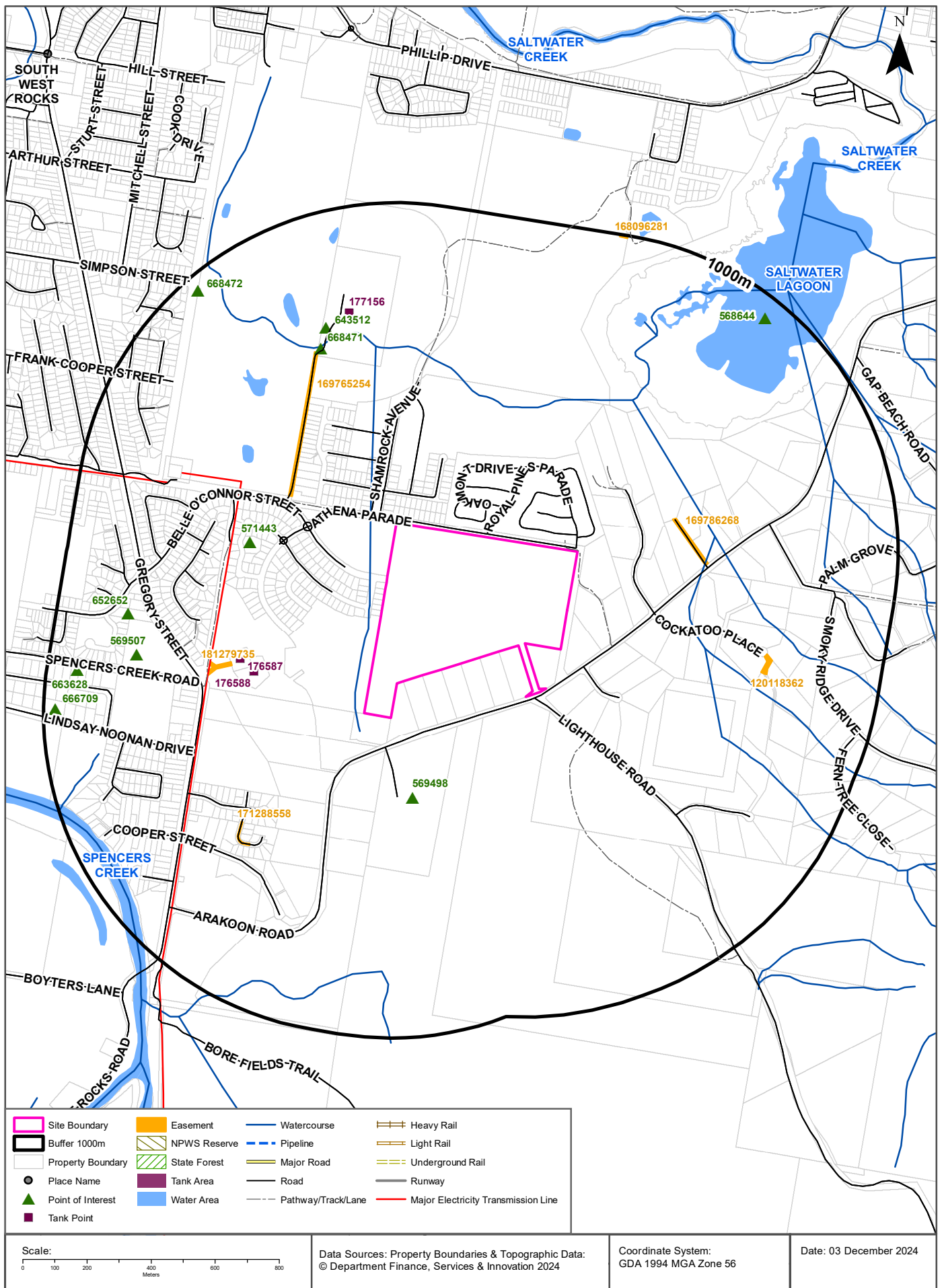
157 Arakoon Road, South West Rocks, NSW 2431





# Topographic Features

157 Arakoon Road, South West Rocks, NSW 2431



# Topographic Features

157 Arakoon Road, South West Rocks, NSW 2431

## Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
569498	Rubbish Depot	Rubbish Depot	257m	South
571443	Homestead	WALDREN PARK	440m	West
668471	Pumping Station	Pumping Station	594m	North West
643512	Sewage Works	SOUTH WEST ROCKS WATER RECYCLING PLANT	649m	North West
569507	Shopping Centre	THE ROCKS SHOPPING FAIR	730m	West
652652	Community Medical Centre	SOUTH WEST ROCKS COMMUNITY HEALTH CENTRE	779m	West
663628	Filtration Plant	SOUTH WEST ROCKS WATER TREATMENT PLANT	906m	West
568644	Natural Waterbody	SALTWATER LAGOON	934m	North East
668472	Pumping Station	Pumping Station	954m	North West
666709	Fire Station	SOUTH WEST ROCKS FIRE STATION	963m	West

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

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## Topographic Features

157 Arakoon Road, South West Rocks, NSW 2431

### 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
176588	Water	Operational		01/11/2011	362m	West
176587	Water	Operational		01/11/2011	410m	West
177156	Undefined	Operational		05/11/2012	671m	North

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
169786268	Primary	Right of way	10m	314m	East
169765254	Primary	Right of way	10M	337m	North West
181279735	Primary	Right of way	Variable	433m	West
171288558	Primary	Right of way	4 metres	509m	South West
120118362	Primary	Undefined		628m	East
168096281	Primary	Right of way	17 & VAR	992m	North East

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

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## Topographic Features

157 Arakoon Road, South West Rocks, NSW 2431

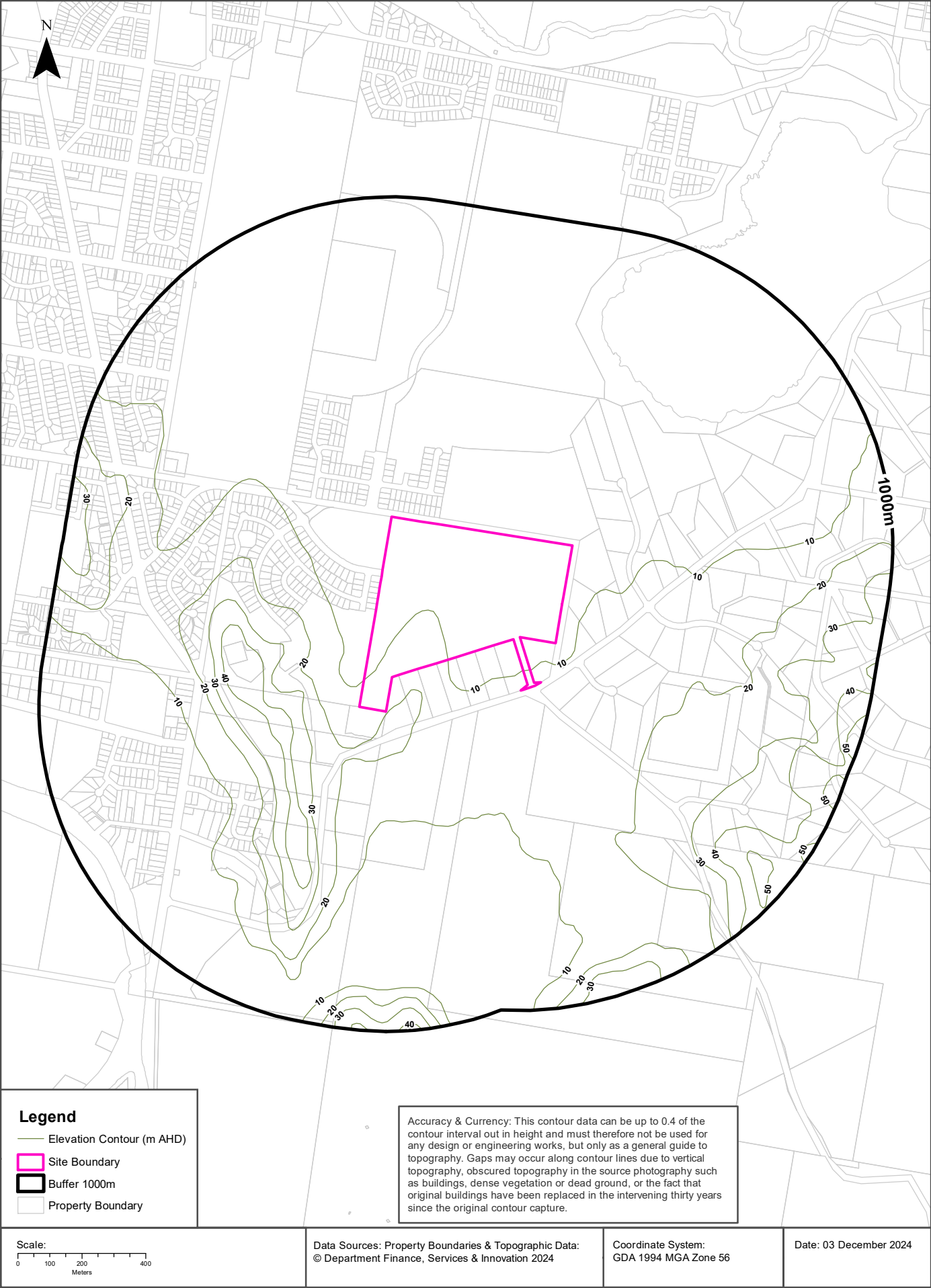
### State Forest

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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# Hydrogeology & Groundwater

157 Arakoon Road, South West Rocks, NSW 2431

## 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 2024

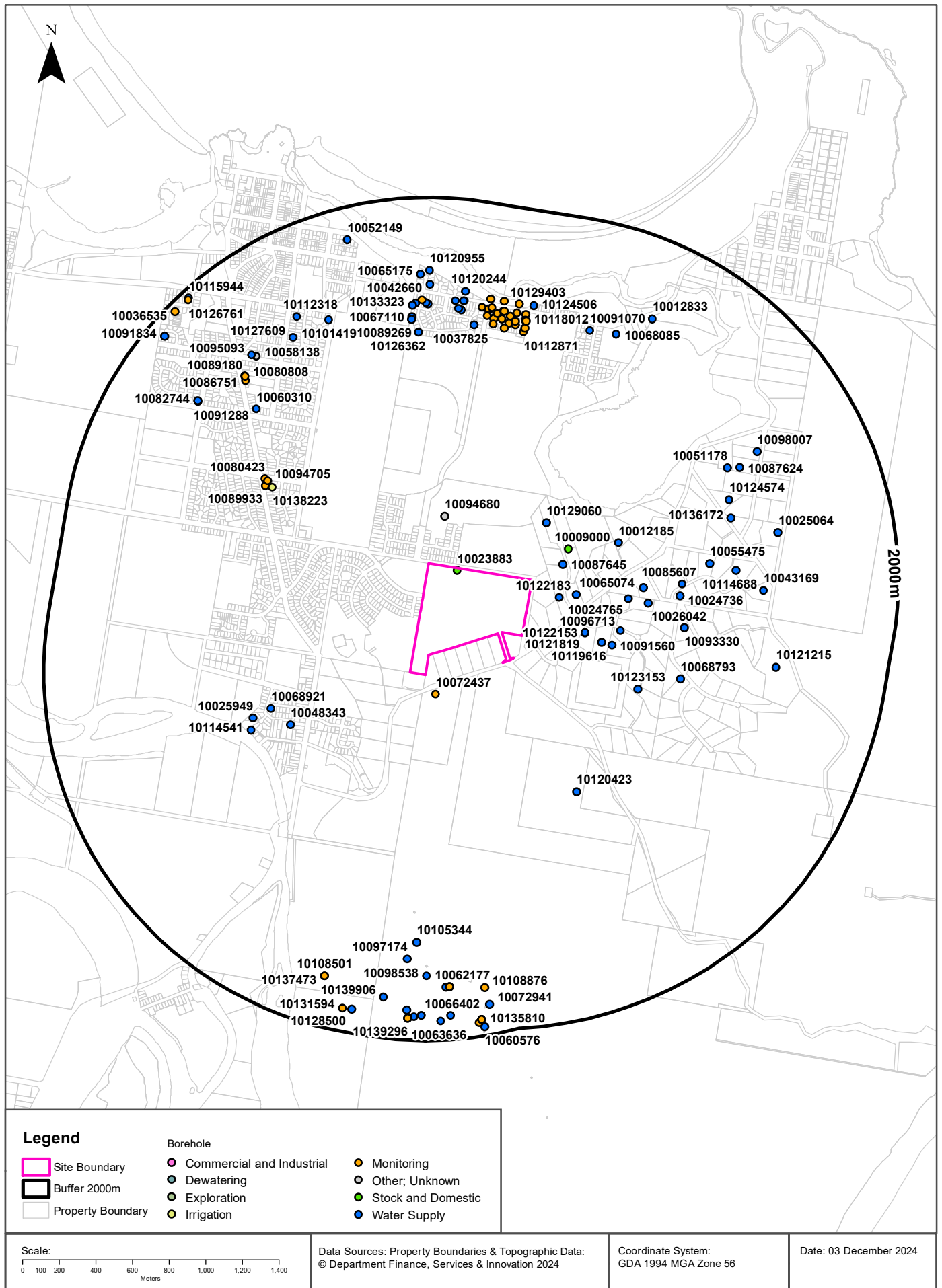
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

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

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

# Groundwater Boreholes

157 Arakoon Road, South West Rocks, NSW 2431





# Hydrogeology & Groundwater

157 Arakoon Road, South West Rocks, NSW 2431

## 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
10023883	GW071775	Stock and Domestic	Unknown	11/01/1994	33.50		AHD	Good	1.760	4.50	0m	On-site
10072437	GW305146	Monitoring	Unknown	04/12/2002			AHD				124m	South
10122183	GW302585	Water Supply	Unknown	17/11/1999	58.00		AHD			12.00	164m	East
10087645	GW070073	Water Supply	Unknown	12/06/1992	40.00		AHD	Good	0.300	2.30	189m	North East
10065074	GW302286	Water Supply	Unknown	12/06/1992	26.00		AHD	Good	0.500	13.60	252m	East
10009000	GW308027	Stock and Domestic	Functioning	24/06/2015	48.00		AHD				262m	North East
10094680	GW300096	Unknown	Unknown	07/04/1991	39.00		AHD		0.500	8.50	268m	North
10129060	GW301683	Water Supply	Unknown		24.00		AHD			3.00	322m	North East
10121819	GW301014	Water Supply	Unknown	04/11/1997	40.00		AHD				338m	East
10122153	GW304457	Water Supply	Removed	02/12/2003	60.00		AHD				338m	East
10119616	GW304332	Water Supply	Unknown	26/11/2003	24.00		AHD	200	1.000	7.00	434m	East
10091560	GW304434	Water Supply	Unknown	25/11/2003	48.00		AHD	400	0.600	8.50	492m	East
10012185	GW072530	Water Supply	Unknown	24/11/1993	42.00		AHD	Good	0.610	20.00	514m	North East
10096713	GW304433	Water Supply	Unknown	24/11/2003	30.00		AHD	500	0.600	9.50	526m	East
10024765	GW303146	Water Supply	Unknown	16/10/2001	26.00		AHD				537m	East
10139214	GW068336	Water Supply	Unknown	18/02/1990	37.00		AHD				611m	East
10026042	GW306205	Water Supply	Functioning	29/08/2007	53.00		AHD		0.500	7.00	648m	East
10123153	GW303715	Water Supply	Unknown	06/01/2002	34.50		AHD	1000	0.400	11.50	697m	South East
10048343	GW306808	Water Supply	Functioning	12/03/2012	3.00		AHD	good			715m	South West
10068921	GW305641	Water Supply	Unknown	09/03/2006	4.00		AHD				784m	South West
10120423	GW304579	Water Supply	Unknown	26/09/2003	36.00		AHD	400	0.300	9.50	806m	South East
10024736	GW303137	Water Supply	Unknown	19/10/2001	33.00		AHD				814m	East
10085607	GW303063	Water Supply	Unknown	17/01/2002	28.50		AHD				822m	East
10093330	GW304637	Water Supply	Unknown	16/03/2004	36.00		AHD	500	0.450	11.00	866m	East
10025949	GW303519	Water Supply	Unknown	01/01/2002	5.00		AHD				893m	South West
10068793	GW305150	Water Supply	Unknown	09/02/2005	50.00		AHD	1000	0.250	15.00	898m	East
10114541	GW301031	Water Supply	Unknown	17/01/1997	8.00		AHD	Good			923m	South West
10138223	GW073435	Irrigation	Unknown	21/01/1995	13.70		AHD	Good	1.000	4.00	948m	North West
10055475	GW303787	Water Supply	Unknown	07/01/2003	28.50		AHD	737	1.500	8.00	975m	East
10089933	GW307143	Monitoring	Functional	02/05/2012	4.50		AHD				986m	North West

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10094705	GW307144	Monitoring	Functional	02/05/2012	4.50		AHD				987m	North West
10080423	GW307145	Monitoring	Functional	02/05/2013	10.00		AHD				1004m	North West
10114688	GW302962	Water Supply	Unknown	02/12/2000	27.00		AHD		780.000	18.00	1117m	East
10136172	GW302242	Water Supply	Unknown		39.00		AHD				1139m	East
10124574	GW070085	Water Supply	Unknown	14/08/1992	32.00		AHD	Good	0.500	6.40	1162m	North East
10051178	GW301186	Water Supply	Unknown	07/09/1995	10.00		AHD	260	0.250	2.00	1230m	North East
10060310	GW303658	Water Supply	Unknown	16/04/2003			AHD				1262m	North West
10126362	GW303633	Water Supply	Unknown	01/02/1993	7.00		AHD		0.300	2.00	1262m	North
10043169	GW301565	Water Supply	Unknown	18/08/1998	21.00		AHD	Good	1.000	11.40	1268m	East
10087624	GW302548	Water Supply	Unknown				AHD				1290m	North East
10037825	GW305804	Water Supply	Unknown	01/06/2003	6.00		AHD				1325m	North
10112871	GW302863	Monitoring	Unknown	11/04/2000	7.00		AHD	5			1329m	North
10131439	GW302845	Monitoring	Unknown	21/03/2000	8.00		AHD				1334m	North
10089269	GW301809	Water Supply	Unknown	25/11/1994	4.00		AHD			2.00	1335m	North
10128312	GW302874	Monitoring	Unknown	12/04/2000	4.00		AHD	49			1346m	North
10067110	GW072038	Water Supply	Unknown				AHD				1348m	North
10121735	GW302867	Monitoring	Unknown	12/04/2000	6.50		AHD	42			1352m	North
10130966	GW302871	Monitoring	Unknown	12/04/2000	4.30		AHD	41			1360m	North
10130334	GW302859	Monitoring	Unknown	10/04/2000	10.00		AHD				1363m	North
10130425	GW302858	Monitoring	Unknown	10/04/2000	5.50		AHD				1364m	North
10025064	GW301052	Water Supply	Unknown	05/01/1994	30.00		AHD		0.500	8.00	1369m	East
10115683	GW302849	Monitoring	Unknown	05/04/2000	3.50		AHD				1375m	North
10122334	GW302850	Monitoring	Unknown	05/04/2000	6.80		AHD				1378m	North
10133192	GW302869	Monitoring	Unknown	12/04/2000	3.50		AHD				1379m	North
10117894	GW302851	Monitoring	Unknown	05/04/2000	10.00		AHD				1381m	North
10121736	GW302872	Monitoring	Unknown	12/04/2000	3.50		AHD				1381m	North
10128237	GW302876	Monitoring	Unknown	12/04/2000	3.50		AHD				1386m	North
10130542	GW302862	Monitoring	Unknown	11/04/2000	12.20		AHD	210			1391m	North
10120488	GW302861	Monitoring	Unknown	11/04/2000	8.70		AHD				1392m	North
10118309	GW302860	Monitoring	Unknown	10/04/2000	5.00		AHD				1395m	North
10071267	GW305630	Water Supply	Unknown	13/12/1995	6.00		AHD		0.400		1396m	North
10121215	GW302959	Water Supply	Unknown	26/11/2000	36.00		AHD		1.800	24.00	1396m	East
10091070	GW306927	Water Supply	Functioning	01/01/2005	8.00		AHD				1397m	North East
10081766	GW303694	Water Supply	Unknown	30/12/1996	5.00		AHD	Fresh	0.400		1400m	North
10112300	GW302855	Monitoring	Unknown	07/04/2000	4.00		AHD				1401m	North
10125065	GW302856	Monitoring	Unknown	07/04/2000	6.50		AHD				1401m	North
10127026	GW302857	Monitoring	Unknown	07/04/2000	10.00		AHD				1402m	North

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
10129573	GW302873	Monitoring	Unknown	12/04/2000	3.50		AHD				1405m	North
10086751	GW307171	Monitoring	Functional	03/05/2012	5.50		AHD				1412m	North West
10133323	GW303611	Water Supply	Unknown	01/01/1995	4.00		AHD				1413m	North
10098007	GW302549	Water Supply	Unknown				AHD				1416m	North East
10076029	GW305246	Water Supply	Unknown	22/08/2005	4.90		AHD	35		1.00	1417m	North
10068085	GW064247	Water Supply	Unknown	01/06/1987	19.00		AHD				1420m	North East
10079496	GW305561	Water Supply	Unknown	11/12/1994	6.00		AHD				1422m	North
10124186	GW302846	Monitoring	Unknown	04/04/2000	3.50		AHD				1422m	North
10127474	GW302847	Monitoring	Unknown	04/04/2000	6.30		AHD				1422m	North
10126363	GW302848	Monitoring	Unknown	04/04/2000	9.50		AHD				1423m	North
10117895	GW301820	Water Supply	Unknown	15/11/1994	24.00		AHD				1424m	North
10118012	GW302870	Monitoring	Unknown	12/04/2000	3.50		AHD				1424m	North
10127707	GW302852	Monitoring	Unknown	05/04/2000	3.50		AHD				1425m	North
10120889	GW302853	Monitoring	Unknown	05/04/2000	7.20		AHD				1426m	North
10129124	GW302875	Monitoring	Unknown	12/04/2000	3.50		AHD				1426m	North
10129777	GW302854	Monitoring	Unknown	05/04/2000	10.50		AHD				1426m	North
10128886	GW302878	Monitoring	Unknown	12/04/2000	3.50		AHD				1427m	North
10089180	GW307172	Monitoring	Functional	03/05/2012	3.60		AHD				1430m	North West
10080808	GW307173	Monitoring	Functional	03/05/2012	7.00		AHD				1432m	North West
10129210	GW302877	Monitoring	Unknown	12/04/2000	3.50		AHD				1432m	North
10101419	GW306194	Water Supply	Functioning	27/10/2006	4.00		AHD	Good		2.50	1437m	North West
10042660	GW073232	Monitoring	Unknown				AHD				1438m	North
10127609	GW302337	Water Supply	Unknown		8.00		AHD	Brackish		1.50	1438m	North West
10098213	GW305007	Water Supply	Unknown	16/03/2005	3.00		AHD				1440m	North
10124624	GW300655	Water Supply	Unknown	01/02/1997	5.00		AHD		3.000	1.00	1446m	North
10119865	GW300656	Water Supply	Unknown	01/02/1997	5.00		AHD		3.000	1.00	1447m	North
10105344	GW053258	Water Supply	Unknown	01/01/1978	23.30		AHD				1464m	South
10058138	GW072041	Unknown	Unknown				AHD				1469m	North West
10129403	GW302866	Monitoring	Unknown	06/04/2000	2.90		AHD	69			1476m	North
10133227	GW302865	Monitoring	Unknown	06/04/2000	3.20		AHD	121			1477m	North
10127197	GW302864	Monitoring	Unknown	06/04/2000	3.50		AHD	182			1479m	North
10124506	GW302106	Water Supply	Unknown	21/07/1997	12.00		AHD		0.315	1.00	1480m	North
10095093	GW301807	Water Supply	Unknown	01/01/1949	11.00		AHD	Good	0.500	4.00	1491m	North West
10120244	GW300362	Water Supply	Unknown	31/08/1995	3.60		AHD			0.70	1498m	North
10122449	GW300657	Water Supply	Unknown	31/12/1995	4.00		AHD				1524m	North
10112318	GW301819	Water Supply	Unknown	01/11/1992	5.50		AHD			4.20	1526m	North West

NGIS Bore ID	NSW Bore ID	Bore Type	Status	Drill Date	Bore Depth (m)	Reference Elevation	Height Datum	Salinity (mg/L)	Yield (L/s)	SWL (mbgl)	Distance	Direction
10091288	GW072071	Unknown	Unknown				AHD				1537m	North West
10082744	GW301808	Water Supply	Unknown	20/01/1994	8.90		AHD			6.00	1541m	North West
10097174	GW053256	Water Supply	Unknown	01/02/1978	20.00		AHD				1559m	South
10012833	GW070505	Water Supply	Unknown	24/02/1993	17.00		AHD	Fresh	1.500	6.00	1570m	North East
10065175	GW306134	Water Supply	Functioning	07/03/2007	5.00		AHD		0.500	4.00	1580m	North
10120955	GW300365	Water Supply	Unknown	31/08/1995	3.00		AHD			2.80	1601m	North
10098538	GW053253	Water Supply	Unknown	01/01/1978	21.00		AHD				1648m	South
10138498	GW081073	Monitoring	Unknown	18/09/2007	26.00	8.64	AHD	Fresh	0.500	2.60	1711m	South
10138882	GW081073	Monitoring	Unknown	18/09/2007		8.64	AHD	Fresh	0.500	2.60	1711m	South
10062177	GW053245	Water Supply	Unknown	01/01/1978	28.40		AHD				1714m	South
10108501	GW036872	Monitoring	Unknown	01/08/1990	30.50		AHD				1726m	South
10137473	GW036872	Monitoring	Unknown	01/08/1990	30.50		AHD				1726m	South
10108876	GW036874	Monitoring	Unknown	01/08/1990	20.00		AHD				1741m	South
10139906	GW053462	Water Supply	Unknown	01/10/1967	21.00		AHD				1778m	South
10052149	GW305626	Water Supply	Unknown	07/03/2006	6.00		AHD				1822m	North
10072941	GW053251	Water Supply	Unknown	01/11/1967	28.00		AHD				1836m	South
10137033	GW039453	Water Supply	Proposed	01/08/1990	42.50		AHD		17.960	2.54	1836m	South
10066402	GW053246	Water Supply	Unknown	01/02/1978	26.50		AHD				1864m	South
10120868	GW273304	Water Supply	Functioning	09/10/2013	29.00		AHD		8.000	2.50	1864m	South
10104384	GW053257	Water Supply	Unknown	01/06/1976	27.40		AHD				1869m	South
10128500	GW053475	Water Supply	Unknown	01/11/1967	19.80		AHD				1870m	South
10133123	GW053476	Water Supply	Functioning	01/01/1967	28.00		AHD				1873m	South
10131594	GW081074	Monitoring	Unknown	11/10/2010	22.74		AHD				1875m	South
10139296	GW081076	Monitoring	Unknown	04/10/2007	27.70		AHD	Fresh	0.800	2.60	1880m	South
10139397	GW081076	Monitoring	Unknown	04/10/2007			AHD	Fresh	0.800	2.60	1880m	South
10063636	GW053247	Water Supply	Unknown	01/02/1978	21.00		AHD				1896m	South
10091834	GW301806	Water Supply	Unknown	01/01/1991	5.50		AHD				1901m	North West
10135810	GW081075	Monitoring	Unknown	12/10/2007			AHD	Fresh	0.800	0.80	1911m	South
10136284	GW081075	Monitoring	Unknown	12/10/2007			AHD	Fresh	0.800	0.80	1911m	South
10138823	GW081075	Monitoring	Unknown	12/10/2007	25.00		AHD	Fresh	0.800	0.80	1911m	South
10129581	GW302587	Monitoring	Unknown	25/10/1990	37.00		AHD		13.260	3.51	1927m	South
10126761	GW073179	Monitoring	Unknown				AHD				1945m	North West
10036535	GW300170	Monitoring	Unknown	15/02/1992	16.00		AHD		0.400		1951m	North West
10060576	GW053252	Water Supply	Unknown	01/08/1967	23.50		AHD				1953m	South
10115944	GW301821	Water Supply	Unknown	27/10/1994	9.00		AHD			6.00	1953m	North West

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



# Hydrogeology & Groundwater

157 Arakoon Road, South West Rocks, NSW 2431

## Driller's Logs

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

NGIS Bore ID	Drillers Log	Distance	Direction
10023883	0.00m-13.00m COLOURED CLAYS 13.00m-14.00m BROKEN SHALE 14.00m-33.50m BLACK SHALE	0m	On-site
10072437	0.00m-0.50m silty sand clay with minor gravel, yellow brown stiff dry low plasticity 0.50m-3.20m silty clay, red brown to red and grey, firm dry to slightly moist, moderated to low plasticity 3.20m-5.00m silty clay, red and grey to red, very stiff, slightly moist to moist 5.00m-5.30m silty clay, red and grey to red, very stiff, slightly moist to moist	124m	South
10122183	0.00m-0.30m soil 0.30m-5.00m hard clay red 5.00m-6.00m soft clay white 6.00m-12.00m soft clay red water table 12.00m-21.00m soft yellow clay 21.00m-27.00m soft grey shale 27.00m-51.00m soft black shale 51.00m-54.00m firm black shale - fractured water bearing 54.00m-58.00m hard black shale - fractured water bearing	164m	East
10087645	0.00m-24.00m CLAY WEATHERED SHALE 24.00m-40.00m HARD & SOFT LAYERS WEATHERED GREY SHALE	189m	North East
10065074	0.00m-2.00m TOPSOIL & CLAY 2.00m-6.00m CLAY 6.00m-14.00m WEATHERED SHALE 14.00m-18.00m WEATHERED SHALE 18.00m-20.00m WEATHERED GREY SHALE 20.00m-26.00m HARD BLACK SHALE	252m	East
10094680	0.00m-22.00m CLAY 22.00m-28.00m SHALE 28.00m-34.00m SOFT GREY SHALE 34.00m-39.00m HARD SHALE	268m	North
10129060	0.00m-3.00m black sand 3.00m-4.00m puggy grey clay 4.00m-6.00m sand (white) 6.00m-14.00m sand and clay bands 14.00m-21.00m shale with clay bands (water bearing - large volume) 21.00m-24.00m black shale	322m	North East
10121819	0.00m-2.00m TOP SOIL 2.00m-40.00m CLAY	338m	East
10122153	0.00m-0.10m TOPSOIL 0.10m-2.80m TAN CLAY 2.80m-9.00m MOTTLED RED AND GREY CLAY 9.00m-18.00m CREAMY CLAY 18.00m-28.00m RED CLAY 28.00m-60.00m SOFT TAN SILT STONE	338m	East
10119616	0.00m-0.10m TOP SOIL 0.10m-2.20m TAN SILTY CLAY 2.20m-6.00m MOTTLED RED AND GREY CLAY 6.00m-6.50m IRON STONE 6.50m-11.00m LIGHT GREY CLAY 11.00m-18.00m TAN SILT STONE 18.00m-19.00m WATER CUT 19.00m-24.00m SILT STONE	434m	East
10091560	0.00m-0.20m TOPSOIL 0.20m-3.50m GRAVELLY TAN CLAY 3.50m-18.00m LIGHT GREY SILTY CLAY 18.00m-30.00m SOFT TAN SILT STONE (CORE IN 18-30M) 30.00m-37.00m BLUE SILT STONE 37.00m-38.00m WATER CUT 38.00m-48.00m HARD BLUE SILT STONE	492m	East
10012185	0.00m-14.00m Clay 14.00m-20.00m Shale - soft yellow 20.00m-28.00m Clay - grey 28.00m-33.00m Shale - soft interbedded with coal 33.00m-43.00m Coal - black interbedded with hard shale	514m	North East

NGIS Bore ID	Drillers Log	Distance	Direction
10096713	0.00m-0.10m TOPSOIL 0.10m-1.10m ORANGE CLAY 1.10m-18.00m SILTY LIGHT GREY CLAY 18.00m-22.00m TAN SILT STONE 22.00m-23.00m WATER CUT 23.00m-30.00m TAN SILT STONE	526m	East
10024765	0.00m-1.00m Gravel (Road Base) 1.00m-3.00m Red Clay 3.00m-3.80m Floater Bolder (Basalt) 3.80m-8.00m Orange Mottely Clay 8.00m-14.00m Orange Moist Clay with Ironstone Deposits 14.00m-20.00m White Silty Moist Clay 20.00m-20.50m Water Cut 20.50m-25.00m Orange Silty Clay 25.00m-26.00m Ridge Gravel	537m	East
10139214	0.00m-3.00m 3.00m-22.00m 22.00m-30.00m Soft Shale 30.00m-34.00m Black Shale 34.00m-37.00m Fractured Shale	611m	East
10026042	0.00m-0.10m Topsoil 0.10m-20.00m Clay, red grey mottled 20.00m-36.00m Weathered Siltstone (cave in) 36.00m-45.00m Siltstone, hard, blue 45.00m-45.50m Water Bearing 45.50m-53.00m Siltstone, hard, blue	648m	East
10123153	0.00m-8.00m DRY TAN CLAY 8.00m-34.50m DRY RED CLAY IRON STONE DEPOSITS	697m	South East
10120423	0.00m-0.05m TOP SOIL 0.05m-1.50m BROWN CLAY 1.50m-14.00m RED CLAY 14.00m-20.00m WEATHERED SILT STONE 20.00m-28.00m GREY SHALE 28.00m-28.40m WATER CUT 28.40m-36.00m GREY SHALE	806m	South East
10024736	0.00m-0.05m Topsoil 0.05m-4.00m Red Clay Ironstone Deposits 4.00m-4.50m Red Mottely White Clay 4.50m-8.00m White Clay Moist 8.00m-10.00m White Mottely Red Clay 10.00m-17.00m Red Clay Ironstone Deposits 17.00m-23.50m Weathered Siltstone 23.50m-24.00m Water Cut 24.00m-29.00m Refussal Blade bit, DHH on Basalt 29.00m-29.20m Water Cut 29.20m-29.50m Basalt 29.50m-30.00m Water Cut 30.00m-33.00m Hard Basalt	814m	East
10085607	0.00m-0.10m Topsoil 0.10m-2.50m Dry Red Clay with Iron Deposits 2.50m-6.00m Red And Grey Mottled Dry Clay 6.00m-8.00m Moist Silty Grey Sand 8.00m-14.00m Red And Grey Mottled Dry Clay 14.00m-22.50m Weathered Silt Stone 22.50m-24.00m Weathered Basalt 24.00m-24.50m Water Cut 24.50m-27.00m Weathered Basalt 27.00m-27.50m Water Cut 27.50m-28.50m Hard Basalt	822m	East
10093330	0.00m-0.20m TOPSOIL 0.20m-22.00m RED CLAY (GRAVELLY IN CLAYS) 22.00m-28.00m HARD BLUE SILTSTONE 28.00m-28.60m WATER CUT 28.60m-36.00m HARD BLUE SILTSTONE	866m	East
10068793	0.00m-0.20m topsoil 0.20m-4.00m tan clay 4.00m-14.00m weathered basalt 14.00m-25.00m hard basalt 25.00m-25.50m water cut 25.50m-50.00m hard basalt	898m	East
10114541	0.00m-0.30m top soil 0.30m-8.00m sand	923m	South West
10138223	0.00m-0.50m Topsoil 0.50m-9.00m Clay interbedded with bentonite 9.00m-13.70m Granite - weathered	948m	North West

NGIS Bore ID	Drillers Log	Distance	Direction
10055475	0.00m-0.50m DRY BROWN CLAY 0.50m-4.50m RED AND GREY MOTTLED CLAY WITH IRONSTONE DEPOSITS 4.50m-7.00m GRAVELY STIFF GREY CLAY 7.00m-11.00m HARD GREY CLAY, SILT STONE 11.00m-21.00m HARD BASALT 21.00m-22.00m WATER CUT 1600gh & 1000ppm 22.00m-28.50m HARD BLACK BASALT	975m	East
10089933	0.00m-0.20m Fill; Bitumen 0.20m-0.50m Sandy Clay; trace silt, black 0.50m-1.00m Sandy Clay; light brown, coarse gravel 1.00m-2.00m Sandy Clay; orange-grey, trace silt 2.00m-4.00m Silty Clay; grey, trace sand 4.00m-4.50m Silty Clay; grey-orange	986m	North West
10094705	0.00m-0.30m Fill; Concrete 0.30m-0.40m Sand 0.40m-0.50m Sandy Clay; black, trace silt 0.50m-1.00m Sandy Clay; light brown 1.00m-1.50m Sandy Clay; grey 1.50m-2.00m Silty Clay; orange-brown, trace sand 2.00m-2.50m Silty Clay; grey-brown, trace sand 2.50m-4.50m Silty Clay; grey-orange	987m	North West
10080423	0.00m-0.30m Fill; Concrete 0.30m-0.50m Sandy Clay; black, trace silt 0.50m-1.00m Sandy Clay; grey-brown, trace silt 1.00m-2.00m Silty Clay; orange-grey, trace sand, with yellow mottles 2.00m-4.50m Silty Clay; as above, @ 4.5m becomes orange-white 4.50m-10.00m Silty Clay; reddish-white	1004m	North West
10114688	0.00m-0.50m Soil 0.50m-6.00m Hard Red Clay 6.00m-12.00m Red Clay with Lumps of Shale 12.00m-14.00m Grey Shale 14.00m-15.00m Black Shale 15.00m-21.00m Fractured Rock 21.00m-24.00m Broken Basalt 24.00m-27.00m Fresh Basalt	1117m	East
10136172	0.00m-0.50m top soil/ grey clay 0.50m-3.00m red clay firm 3.00m-6.00m red clay rock bands 6.00m-9.00m puggy red clay 9.00m-12.00m puggy white clay 12.00m-18.00m yellow clay soft 18.00m-24.00m black shale soft 24.00m-27.00m black shale lumps (broken) 27.00m-30.00m broken basalt 30.00m-33.00m hard basalt 33.00m-34.00m broken basalt 34.00m-39.00m hard basalt	1139m	East
10124574	0.00m-1.00m TOPSOIL 1.00m-6.00m CLAY/SHALE 6.00m-8.00m CLAYBOUND GRAVEL 8.00m-10.00m CLAY 10.00m-24.00m SHALE 24.00m-26.00m SHALE(W) 26.00m-32.00m HARD & SOFT LAYERS BLACK SHALE (W)	1162m	North East
10051178	0.00m-8.00m BROKEN SOIL 8.00m-10.00m GREY CLAY	1230m	North East
10043169	0.00m-3.00m clay 3.00m-5.00m clay and rock 5.00m-7.00m weathered basalt 7.00m-10.00m basalt, hard bands 10.00m-12.00m fractured ground (water bearing) 12.00m-18.00m basalt quartz bands (water bearing) 18.00m-21.00m basalt hard	1268m	East
10112871	0.00m-7.00m Sand	1329m	North
10131439	0.00m-6.50m Sand 6.50m-8.00m Coffee Rock	1334m	North
10128312	0.00m-0.50m Gravely Clay 0.50m-4.00m Sand	1346m	North
10121735	0.00m-6.50m Sand	1352m	North
10130966	0.00m-4.30m Sand	1360m	North
10130334	0.00m-6.00m Sand 6.00m-6.50m Coffee Rock 6.50m-10.00m Sand	1363m	North
10130425	0.00m-5.50m Sand	1364m	North

NGIS Bore ID	Drillers Log	Distance	Direction
10025064	0.00m-2.00m soil 2.00m-30.00m sandstone	1369m	East
10115683	0.00m-0.50m Gravelly Clay 0.50m-3.50m Sand	1375m	North
10122334	0.00m-0.50m Gravelly Clay 0.50m-4.00m Sand 4.00m-6.80m Coffee Rock	1378m	North
10133192	0.00m-3.50m Sand	1379m	North
10117894	0.00m-0.50m Gravelly Clay 0.50m-4.20m Sand 4.20m-10.00m Coffee Rock	1381m	North
10121736	0.00m-3.50m Sand	1381m	North
10128237	0.00m-3.50m Sand	1386m	North
10130542	0.00m-5.20m Sand 5.20m-5.70m Coffee Rock 5.70m-9.00m Sand 9.00m-9.20m Coffee Rock 9.20m-12.20m Sand	1391m	North
10120488	0.00m-5.20m Sand 5.20m-5.80m Coffee Rock 5.80m-8.70m Sand	1392m	North
10118309	0.00m-5.00m Sand	1395m	North
10121215	0.00m-0.50m Black soil 0.50m-6.00m Broken Basalt 6.00m-36.00m Fresh Basalt	1396m	East
10112300	0.00m-4.00m Sand	1401m	North
10125065	0.00m-5.50m Sand 5.50m-6.50m Coffee Rock	1401m	North
10127026	0.00m-5.20m Sand 5.20m-6.20m Coffee Rock 6.20m-10.00m Sand	1402m	North
10129573	0.00m-3.50m Sand	1405m	North
10086751	0.00m-0.20m Fill; Bitumen 0.20m-0.50m Sand; yellow brown 0.50m-1.50m Silty Clay; orange-brown, trace coarse sand 1.50m-5.50m Silty Clay; @ 2m orange white, @ 2.5m orange, @ 5.5m refusal	1412m	North West
10068085	0.00m-6.00m Sand White 6.00m-8.00m Sand White Cream 8.00m-14.00m Rock Light Brown 14.00m-16.00m Sand Light Brown 16.00m-19.00m Sand Grey Yellow Water Supply, Clay Bottom	1420m	North East
10124186	0.00m-3.50m Sand	1422m	North
10127474	0.00m-4.00m Sand 4.00m-6.30m Coffee Rock	1422m	North
10126363	0.00m-4.20m Sand 4.20m-6.20m Coffee Rock 6.20m-9.50m Sand	1423m	North
10118012	0.00m-3.50m Sand	1424m	North
10127707	0.00m-3.50m Sand	1425m	North
10120889	0.00m-3.80m Sand 3.80m-7.20m Coffee Rock	1426m	North
10129124	0.00m-3.50m Sand	1426m	North
10129777	0.00m-3.50m Sand 3.50m-4.50m Coffee Rock 4.50m-6.20m Sand 6.20m-7.20m Coffee Rock 7.20m-10.50m Sand	1426m	North
10128886	0.00m-3.50m Sand	1427m	North
10089180	0.00m-0.30m Fill; Concrete 0.30m-0.50m Silty Clay; orange-brown, trace coarse sand 0.50m-1.50m Silty Clay; yellow brown 1.50m-3.60m Silty Clay; white orange, @ 2.5m orange, @ 3.6m refusal	1430m	North West



NGIS Bore ID	Drillers Log	Distance	Direction
10080808	0.00m-0.30m Fill; Concrete 0.30m-0.50m Sand, Gravelly; yellow brown 0.50m-1.00m Silty Clay; coarse sand, orange 1.00m-4.50m Silty Clay; orange white, trace sand, @ 2m white orange, @ 3m orange, @ 3.5m white orange 4.50m-5.50m Silty Clay; orange, trace coarse sand 5.50m-7.00m Silty Clay; light orange	1432m	North West
10129210	0.00m-3.50m Sand	1432m	North
10105344	0.00m-0.50m Sand Grey Dirty 0.50m-0.75m Sand Grey 0.75m-9.50m Sand White 9.50m-12.25m Sand White Dirty 12.25m-15.50m Sand Silty Water Supply 15.50m-17.00m Sand Light Brown Water Supply 17.00m-19.75m Sand White Dirty Water Supply 19.75m-23.25m Sand White Silty Water Supply 23.25m-24.00m Sand Peat 24.00m-25.00m Sand Silty 25.00m-25.50m Sand Indurated 25.50m-26.00m Clay Grey 26.00m-29.50m Sand Grey Water Bearing 29.50m-31.00m Clay Grey	1464m	South
10129403	0.00m-2.90m Sand	1476m	North
10133227	0.00m-3.20m Sand	1477m	North
10127197	0.00m-3.50m Sand	1479m	North
10124506	0.00m-3.00m White sand 3.00m-9.00m Very dark coffee rock 9.00m-12.00m Heavy grade water sand	1480m	North
10097174	0.00m-0.75m Sand Grey 0.75m-2.80m Sand White 2.80m-4.20m Sand Yellow Some Peat Water Supply 4.20m-13.50m Sand Grey Some Peat Water Supply 13.50m-17.00m Sand Some Vegetation Water Supply 17.00m-19.00m Sand Clay Water Supply 19.00m-19.25m Sand Silty Clay Water Supply 19.25m-20.50m Clay Grey Some Vegetation 20.50m-21.50m Clay Grey Clay 21.50m-23.50m Sand Light Brown Water Bearing 23.50m-25.50m Clay Grey Sandy Water Bearing	1559m	South
10012833	0.00m-3.00m WHITE SAND 3.00m-15.00m BLACK SANDY CLAY 15.00m-16.00m RED SAND 16.00m-17.00m WHITE SANDY CLAY 17.00m-33.00m WHITE AND GREY CLAY	1570m	North East
10098538	0.00m-16.76m Sand White Water Supply 16.76m-20.73m Sand Water Supply 20.73m-21.03m Clay Sandy Water Supply	1648m	South
10138498	0.00m-6.00m Sand 6.00m-9.00m Lignite & Peat 9.00m-10.00m Clay 10.00m-16.10m Sand 16.10m-18.00m Lignite 18.00m-19.40m Clay, white 19.40m-24.00m Sand 24.00m-26.50m Claybound Sand	1711m	South
10138882	0.00m-6.00m Sand 6.00m-9.00m Lignite & Peat 9.00m-10.00m Clay 10.00m-16.10m Sand 16.10m-18.00m Lignite 18.00m-19.40m Clay, white 19.40m-24.00m Sand 24.00m-26.50m Claybound Sand	1711m	South
10062177	0.00m-0.75m Sand Grey Dirty 0.75m-14.25m Sand White Clean 14.25m-15.70m Sand Yellow Water Bearing 15.70m-16.50m Sand Yellow Gravel 16.50m-17.50m Sand Grey Dirty Clay 17.50m-19.00m Sand Dark Peat 19.00m-24.50m Sand Grey Dirty Some Charcoal 24.50m-25.50m Sand Yellow 25.50m-26.40m Sand Yellow Dirty Water Bearing 26.40m-28.40m Clay Grey Sandy	1714m	South

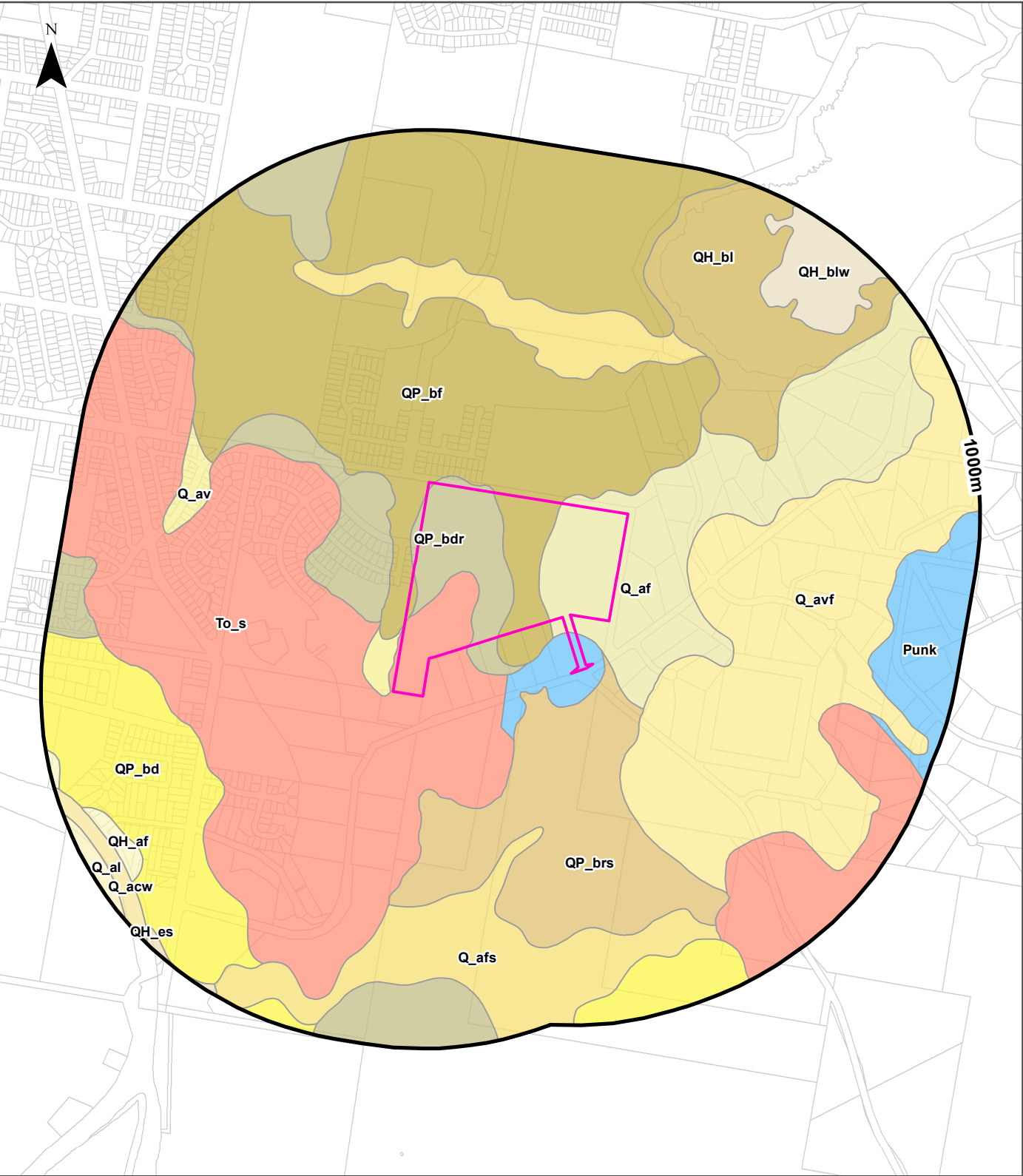
NGIS Bore ID	Drillers Log	Distance	Direction
10108501	0.00m-1.00m Silt Black 1.00m-2.00m Sand Black 2.00m-5.00m Sand Dark Brown 5.00m-10.00m Sand 10.00m-14.00m Sand Cream Water Supply 14.00m-16.00m Clay Grey 16.00m-18.00m Clay Grey 18.00m-20.00m Clay Dark Grey 20.00m-21.00m Clay Black Silty 21.00m-22.00m Silt Black Sandy 22.00m-23.00m Clay Grey Hard Sandy 23.00m-28.00m Sand White Water Supply 28.00m-29.00m Clay Grey Sandy 29.00m-30.50m Clay Grey	1726m	South
10137473	0.00m-1.00m Silt Black 1.00m-2.00m Sand Black 2.00m-5.00m Sand Dark Brown 5.00m-10.00m Sand 10.00m-14.00m Sand Cream Water Supply 14.00m-16.00m Clay Grey 16.00m-18.00m Clay Grey 18.00m-20.00m Clay Dark Grey 20.00m-21.00m Clay Black Silty 21.00m-22.00m Silt Black Sandy 22.00m-23.00m Clay Grey Hard Sandy 23.00m-28.00m Sand White Water Supply 28.00m-29.00m Clay Grey Sandy 29.00m-30.50m Clay Grey	1726m	South
10108876	0.00m-1.00m Sand Grey 1.00m-6.00m Sand White Fine 6.00m-14.00m Sand Black Fine 14.00m-15.00m Sand Fine Water Supply 15.00m-20.00m Sand Dark Brown Indurated	1741m	South
10139906	0.00m-16.76m Sand White Water Supply 16.76m-20.73m Sand 20.73m-21.03m Clay Sandy	1778m	South
10072941	0.00m-4.27m Sand White Water Supply 4.27m-10.36m Sand Peaty Water Supply 10.36m-11.28m Sand Peaty Water Supply 11.28m-13.41m Sand Hard Water Supply 13.41m-15.85m Sand Peaty Some Nodular Indurated Water Supply 15.85m-20.73m Sand Water Supply 20.73m-22.86m Sand Light Brown Water Supply 22.86m-24.08m Sand Light Brown Some Clay Water Supply 24.08m-24.69m Clay Grey Stiff 24.69m-26.82m Clay Grey Sandy 26.82m-28.04m Sandstone Grey Soft	1836m	South
10137033	0.00m-4.00m Sand White Fine 4.00m-14.00m Sand Fine Water Supply 14.00m-15.00m Clay Grey Sandy 15.00m-20.00m Sand Black Fine Water Supply 20.00m-21.00m Clay Black Carbonaceous 21.00m-23.00m Clay Grey Sandy 23.00m-27.00m Sand Grey Fine-medium Water Supply 27.00m-28.00m Clay Multicoloured Sandy 28.00m-33.00m Clay Hard Multicoloured 28.00m-33.00m Shale 33.00m-42.50m Mudstone Dark Grey	1836m	South
10066402	0.00m-6.20m Sand Grey 6.20m-8.00m Sand Dirty Water Bearing 8.00m-11.60m Sand Light Brown 11.60m-12.00m Sand Dark Brown Silty Water Bearing 12.00m-14.40m Sand Light Brown Silty Water Bearing 14.40m-16.50m Sand Light Brown Silty Peat Water Supply 16.50m-19.30m Silt Peat 19.30m-21.00m Sand Light Brown Indurated Clay 21.00m-22.50m Clay Stiff 22.50m-24.00m Clay Grey Silty 24.00m-27.10m Sand Grey Clean Water Supply 27.10m-30.10m Clay Black	1864m	South
10120868	0.00m-10.00m Sand; fine 10.00m-13.00m Sand; brown, fine 13.00m-14.00m Sand; fine 14.00m-18.00m Clay; grey 18.00m-20.00m Sand; brown 20.00m-21.00m Sand; clayey 21.00m-22.00m Clay; black 22.00m-23.20m Clay; grey 23.20m-27.20m Sand; fine 27.20m-31.00m Clay	1864m	South













NGIS Bore ID	Drillers Log	Distance	Direction
10104384	0.00m-2.13m Sand White Water Supply 2.13m-3.66m Sand Water Supply 3.66m-5.18m Sand White Peat Seams Water Supply 5.18m-6.71m Sand Peat Seams Water Supply 6.71m-8.23m Sand Very Dirty Peaty Water Supply 8.23m-8.84m Sand Dirty Water Supply 8.84m-9.14m Sand Water Supply 9.14m-9.75m Sand Grey Peaty Water Supply 9.75m-11.28m Sand Grey Very Peaty Water Supply 11.28m-12.80m Sand Peaty Water Supply 12.80m-13.72m Sand Water Supply 13.72m-14.94m Peat Water Supply 14.94m-15.54m Sand Water Supply 15.54m-15.85m Clay Sandy Water Supply 15.85m-17.07m Sand Grey Water Supply 17.07m-17.37m Sand Yellow Dirty Peat Water Supply 17.37m-20.42m Sand Yellow Peat Water Supply 20.42m-21.95m Sand Grey Heavy Clay Water Supply 21.95m-23.47m Clay Grey Water Supply 23.47m-24.99m Sand White Clay Water Supply 24.99m-25.30m Clay White Sandy Water Supply 25.30m-26.21m Sand White Water Supply 26.21m-26.82m Clay White Sandy Water Supply 26.82m-28.04m Sand White Clay Water Supply 28.04m-28.96m Clay Red Grey	1869m	South
10128500	0.00m-8.23m Sand White 8.23m-17.98m Sand 17.98m-19.51m Sand Yellow 19.51m-19.81m Clay	1870m	South
10133123	0.00m-4.27m Sand White Water Bearing 4.27m-10.36m Sand Peaty Water Bearing 10.36m-11.28m Sand Peaty Water Bearing 11.28m-13.41m Sand Hard Water Bearing 13.41m-15.85m Sand Peaty Some Hard Cemented 15.85m-20.73m Sand Water Bearing 20.73m-22.86m Sand Light Brown Water Bearing 22.86m-24.69m Clay Grey Stiff 24.69m-26.82m Clay Grey Sandy 26.82m-28.04m Sandstone Grey Soft	1873m	South
10139296	0.00m-8.50m Sand 8.50m-9.00m Clay, black	1880m	South
10139397	0.00m-8.50m Sand 8.50m-9.00m Clay, black	1880m	South
10063636	0.00m-3.70m Sand Light Grey 3.70m-5.20m Sand Light Brown 5.20m-9.70m Sand Dark Brown Water Supply 9.70m-14.00m Sand Dark Brown Peat Water Supply 14.00m-14.20m Peat Sand Water Supply 14.20m-19.00m Sand Silty Water Supply 19.00m-20.70m Sand Yellow Clean Water Supply 20.70m-22.50m Clay Grey 22.50m-25.25m Sand Grey Clay 25.25m-27.25m Clay Grey	1896m	South
10135810	0.00m-5.00m Sand 5.00m-6.50m Peat 6.50m-21.00m Sand, with brown 21.00m-22.00m Iron Bands 22.00m-26.50m Sand	1911m	South
10136284	0.00m-5.00m Sand 5.00m-6.50m Peat 6.50m-21.00m Sand, with brown 21.00m-22.00m Iron Bands 22.00m-26.50m Sand	1911m	South
10138823	0.00m-5.00m Sand 5.00m-6.50m Peat 6.50m-21.00m Sand, with brown 21.00m-22.00m Iron Bands 22.00m-26.50m Sand	1911m	South
10129581	0.00m-1.00m top grey sand 1.00m-2.00m white sand 2.00m-8.00m black sand 8.00m-11.00m coffee brown sand 11.00m-14.00m black silty sand 14.00m-18.00m coffee brown silty sand 18.00m-23.00m med brown sand 23.00m-24.00m grey sandy clay 24.00m-25.00m grey clay 25.00m-34.00m light grey sand 34.00m-37.00m hard multi coloured clay	1927m	South

NGIS Bore ID	Drillers Log	Distance	Direction
10036535	0.00m-3.00m SAND 3.00m-6.00m SAND DARK BROWN INDURATED (COFFEE ROCK) 6.00m-16.00m GRITTY YELLOW WHITE CLAY	1951m	North West
10060576	0.00m-2.13m Sand White Water Supply 2.13m-5.49m Sand Peaty Dirty Water Supply 5.49m-10.06m Sand Peaty Water Supply 10.06m-12.80m Sand Peaty Dirty Water Supply 12.80m-15.24m Sand Peaty Water Supply 15.24m-17.68m Sand Slightly Peaty Water Supply 17.68m-19.81m Sand Clean Water Supply 19.81m-22.56m Sand Slightly Peaty Water Supply 22.56m-23.47m Sand White Water Supply 23.47m-23.77m Sand White Some Clay 23.77m-25.91m Clay Grey Stiff Slightly Sandy 25.91m-26.52m Sandstone Grey	1953m	South


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>





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

Scale:



Data Sources: Property Boundaries & Topographic Data:  
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Coordinate System:  
GDA 1994 MGA Zone 56

Date: 03 December 2024

# Geology

157 Arakoon Road, South West Rocks, NSW 2431

## Geological Units

Geological units within the dataset buffer:

Code	Unit Name	Description	Stratigraphy	Age Range	Dominant Lithology	Dist	Dir
Punk	Kempsey beds	Lithic sandstone, mudstone, siltstone, pebbly sandstone, minor conglomerate.	/Ungrouped Nambucca Block units//Kempsey beds//	Carboniferous (Pennsylvanian) (base) to Permian (top)	Sandstone	0m	On-site
Q_af	Alluvial floodplain deposits	Silt, very fine- to medium-grained lithic to quartz-rich sand, clay.	/Alluvium//Alluvial floodplain deposits//	Quaternary (base) to Now (top)	Clastic sediment	0m	On-site
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	0m	On-site
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	0m	On-site
To_s	Smoky Cape Syenogranite	White to pink, coarse-grained, equigranular biotite-hornblende syenogranite with a finer-grained, porphyritic margin, and granophyric carapace.	Coastal Granite Association//Smoky Cape Syenogranite//	Late Triassic (base) to Late Triassic (top)	Granite	0m	On-site
Q_av	Alluvial valley deposits	Silt, clay, (fluvially deposited) lithic to quartz-lithic sand, gravel.	/Alluvium//Alluvial valley deposits//	Quaternary (base) to Now (top)	Clastic sediment	2m	South West
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	32m	South
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	182m	East
QH_bl	Coastal deposits - lagoon facies	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//	Holocene (base) to Now (top)	Organic rich sediment	325m	North East
Q_afs	Alluvial floodplain deposits - swamp facies	Unconsolidated grey to grey-brown silty clay, sporadic very fine-grained sand.	/Alluvium//Alluvial floodplain deposits//Alluvial floodplain deposits - swamp facies//	Quaternary (base) to Now (top)	Clay	352m	North
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	549m	South West
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	712m	North East
QH_af	Alluvial floodplain deposits	Silt, very fine- to medium-grained lithic to quartz-rich sand, clay.	/Alluvium//Alluvial floodplain deposits//	Holocene (base) to Now (top)	Clastic sediment	849m	South West
Q_acw	Alluvial channel deposits - subaqueous	Fluvially deposited sand, gravel, silt, clay.	/Alluvium//Alluvial channel deposits//Alluvial channel deposits - subaqueous//	Quaternary (base) to Now (top)	Clastic sediment	907m	South West
Q_al	Alluvial levee/overbank deposits	Fluvially deposited fine- to medium-grained lithic to quartz-rich sand, silt, clay.	/Alluvium//Alluvial levee/overbank deposits//	Quaternary (base) to Now (top)	Clastic sediment	951m	South West
QH_es	Estuarine swamp	Organic-rich mud, peat, clay, silt, very fine- to fine-grained sand (marine-deposited), fine- to medium-grained sand (fluvially deposited).	/Estuarine deposits//Estuarine swamp//	Holocene (base) to Now (top)	Organic rich sediment	960m	South West

## Geology

157 Arakoon Road, South West Rocks, NSW 2431

### Linear Geological Structures

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

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

Trendlines within the dataset buffer:

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

Fold axes within the dataset buffer:

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

Marker beds within the dataset buffer:

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

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

157 Arakoon Road, South West Rocks, NSW 2431

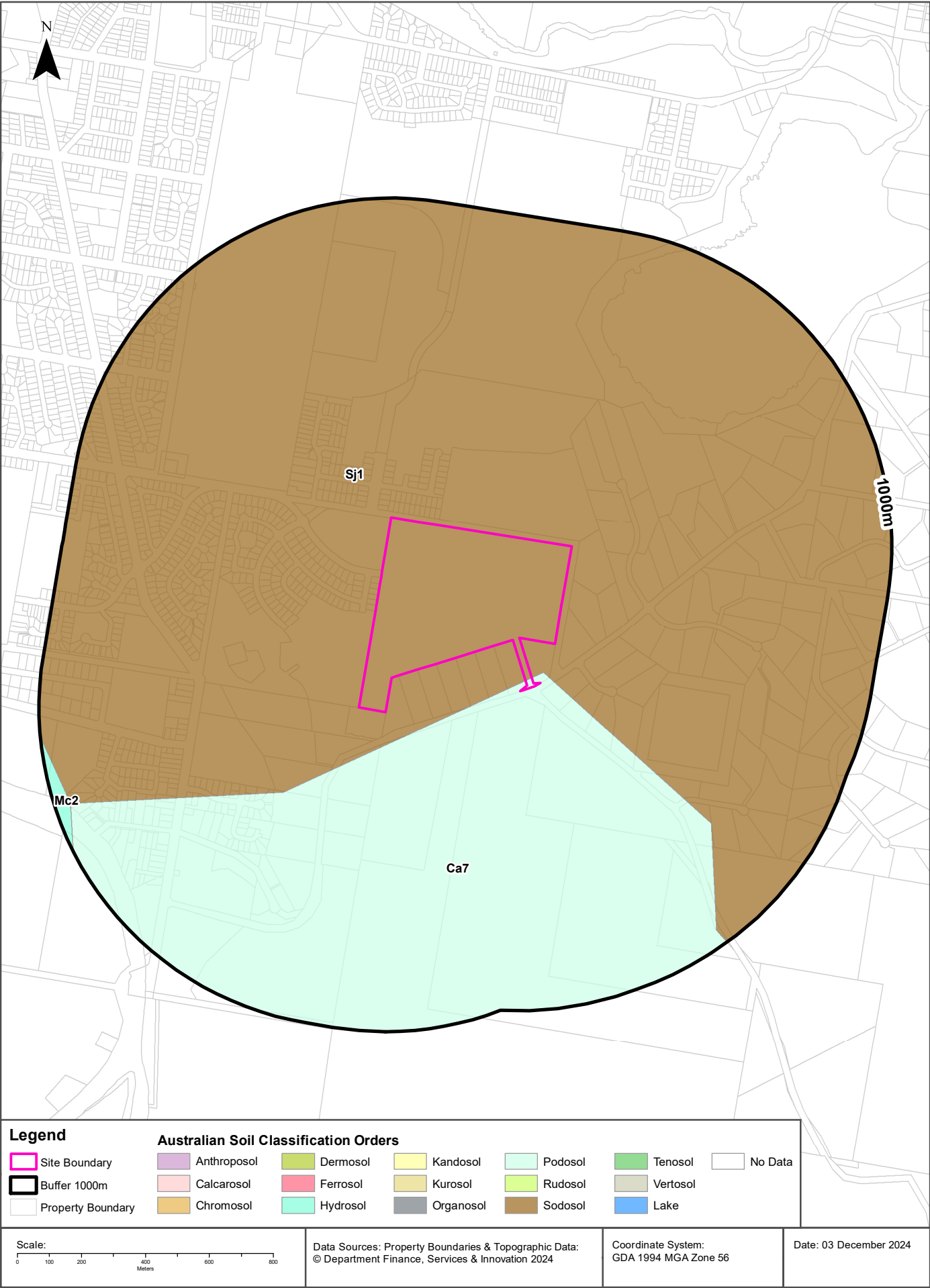
## Naturally Occurring Asbestos Potential

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

157 Arakoon Road, South West Rocks, NSW 2431

### Atlas of Australian Soils

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

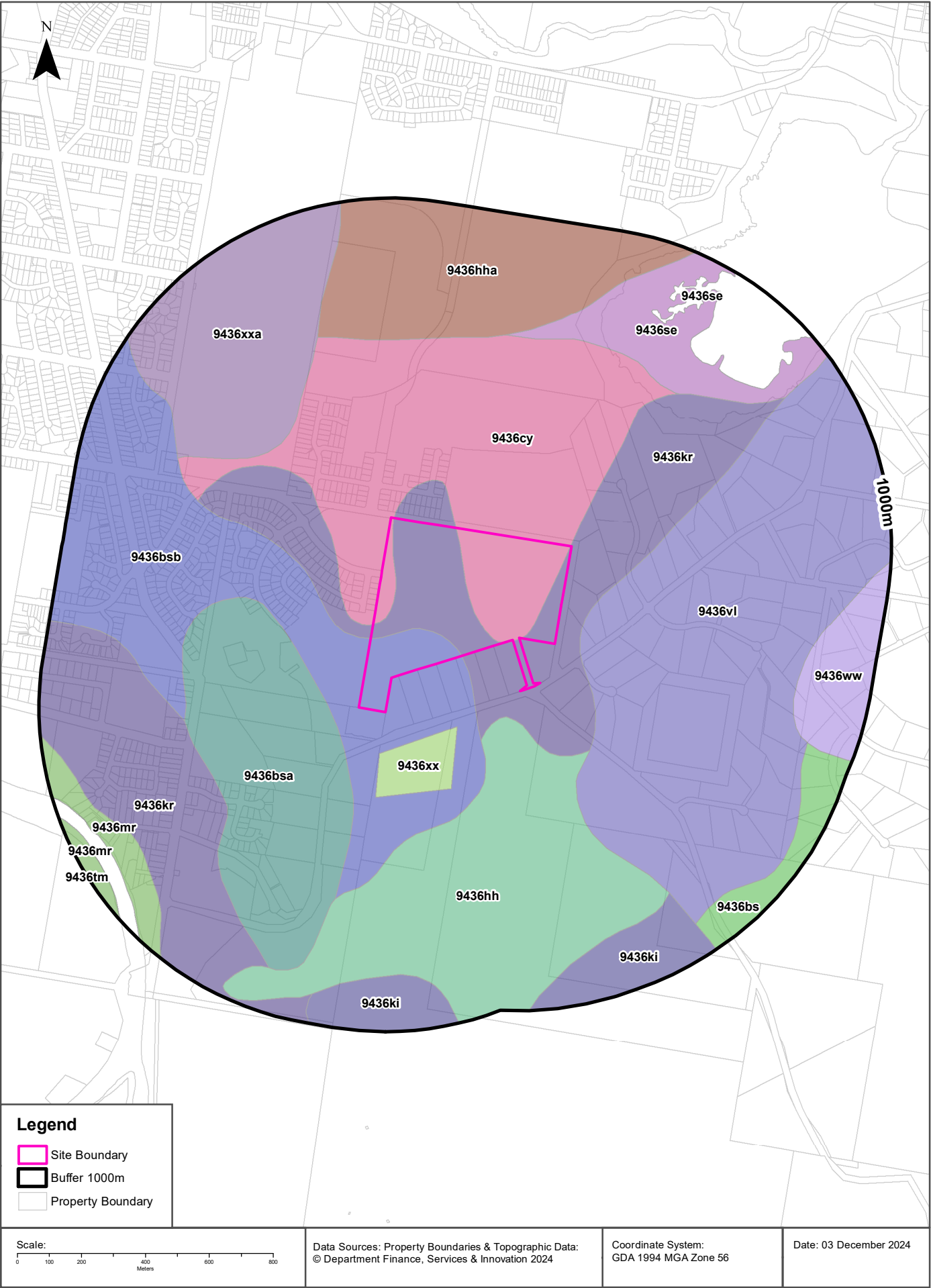
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Sj1	Sodosol	Steep hilly, rock outcrops: chief soils are hard acidic yellow and yellow mottled soils (Dy2.41) and (Dy3.41). Associated are (Dy3.21) and various shallow soils, such as (Um5.41) and (Um6.21) on ridge crests and upper slopes; and (Dr4.21) and/or (Gn3.14) on lower slopes in some localities and (Uc) soils in others. As mapped, areas of units A9 and Ca7 may be included.	0m	On-site
Ca7	Podosol	Old sand dune and swamp system of gently undulating dune-swale succession: dunes of leached sands (Uc2.21 and Uc2.22) with extensive undulating areas of leached sands, such as (Uc2.2), (Uc3.2), and (Uc2.3). Associated are swamplands of (Uc2.2) sands with variable peaty and/or clayey layers on the surface, some acid peats (O) and plastic clays (Uf6.61) also with variable peaty surfaces in the lower-lying portions. As mapped, small areas of neighbouring units are included. Often this unit is separated from unit A9 by an elongate swamp.	0m	On-site
Mc2	Hydrosol	River flood-plains and levees: chief soils on flood-plains and levee back slopes are acid grey earths (Gn2.81) and (Gn1.84). Associated are levee banks of dark porous loamy soils (Um6.11) and/or other loamy soils, such as (Um5.2); and present flood-plain deposits of (Uc) soils and (Um) soils. As mapped, areas of units J3 and Tb43 are included.	950m	South West

Atlas of Australian Soils Data Source: CSIRO

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# Soil Landscapes of Central and Eastern NSW

157 Arakoon Road, South West Rocks, NSW 2431



## Soils

157 Arakoon Road, South West Rocks, NSW 2431

### Soil Landscapes of Central and Eastern NSW

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

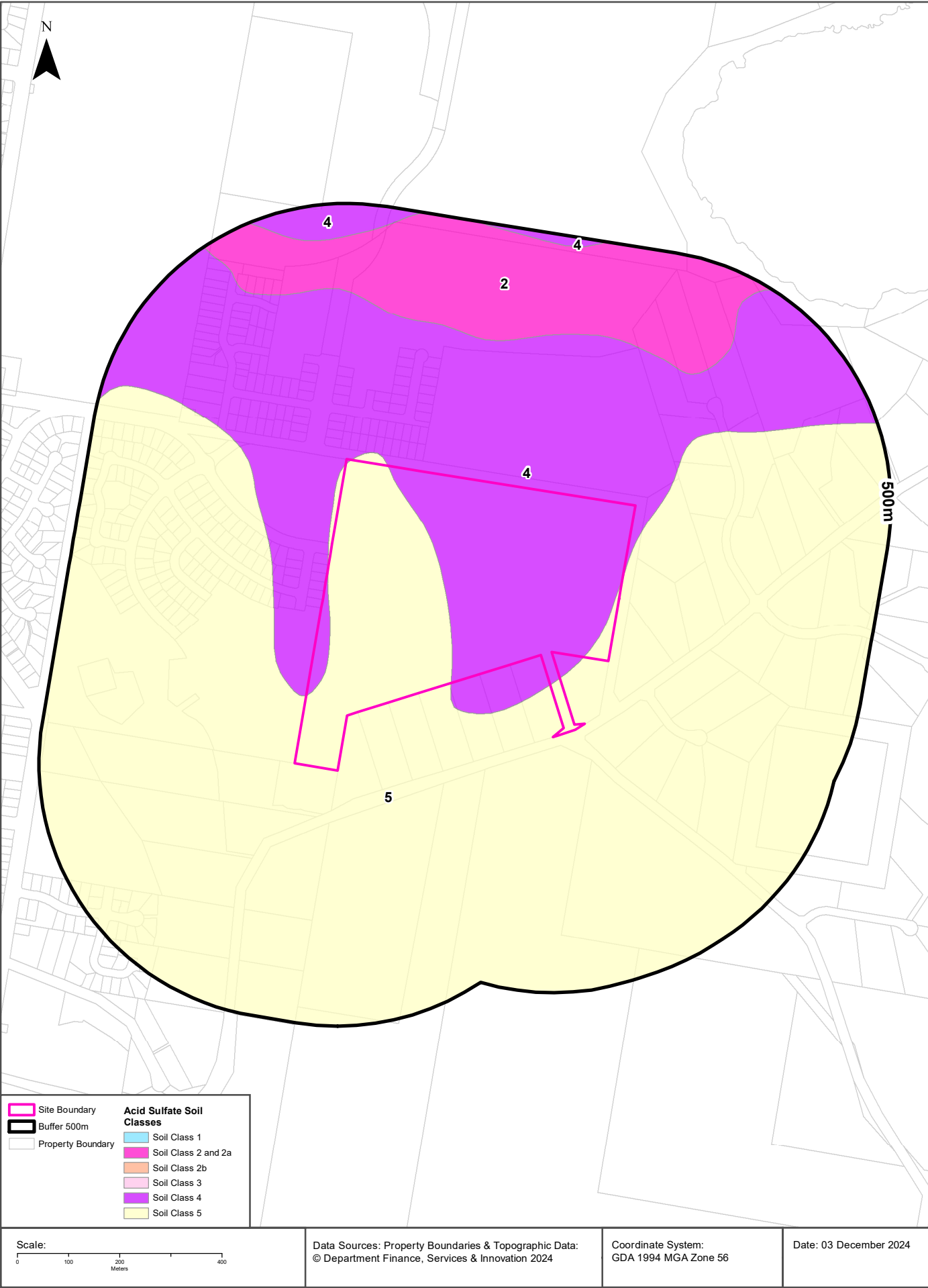
Soil Code	Name	Distance	Direction
<a href="#">9436kr</a>	Korogoro	0m	On-site
<a href="#">9436cy</a>	Clybucca	0m	On-site
<a href="#">9436bsb</a>	Big Smoky variant b	0m	On-site
<a href="#">9436vl</a>	Valla	73m	East
<a href="#">9436bsa</a>	Big Smoky variant a	86m	South West
<a href="#">9436hh</a>	Hat Head	90m	South
<a href="#">9436xx</a>	Disturbed Terrain	115m	South
<a href="#">9436xxa</a>	Disturbed Terrain variant a	415m	North West
<a href="#">9436hha</a>	Hat Head variant a	556m	North
<a href="#">9436se</a>	Seven Oaks	577m	North East
<a href="#">9436ww</a>	Way Way	764m	East
<a href="#">9436ki</a>	Killick	770m	South
<a href="#">9436mr</a>	Maria River	810m	South West
<a href="#">9436bs</a>	Big Smoky	847m	South East
<a href="#">9436tm</a>	Toormina	999m	South West

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

157 Arakoon Road, South West Rocks, NSW 2431



## Acid Sulfate Soils

157 Arakoon Road, South West Rocks, NSW 2431

### Environmental Planning Instrument - Acid Sulfate Soils

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

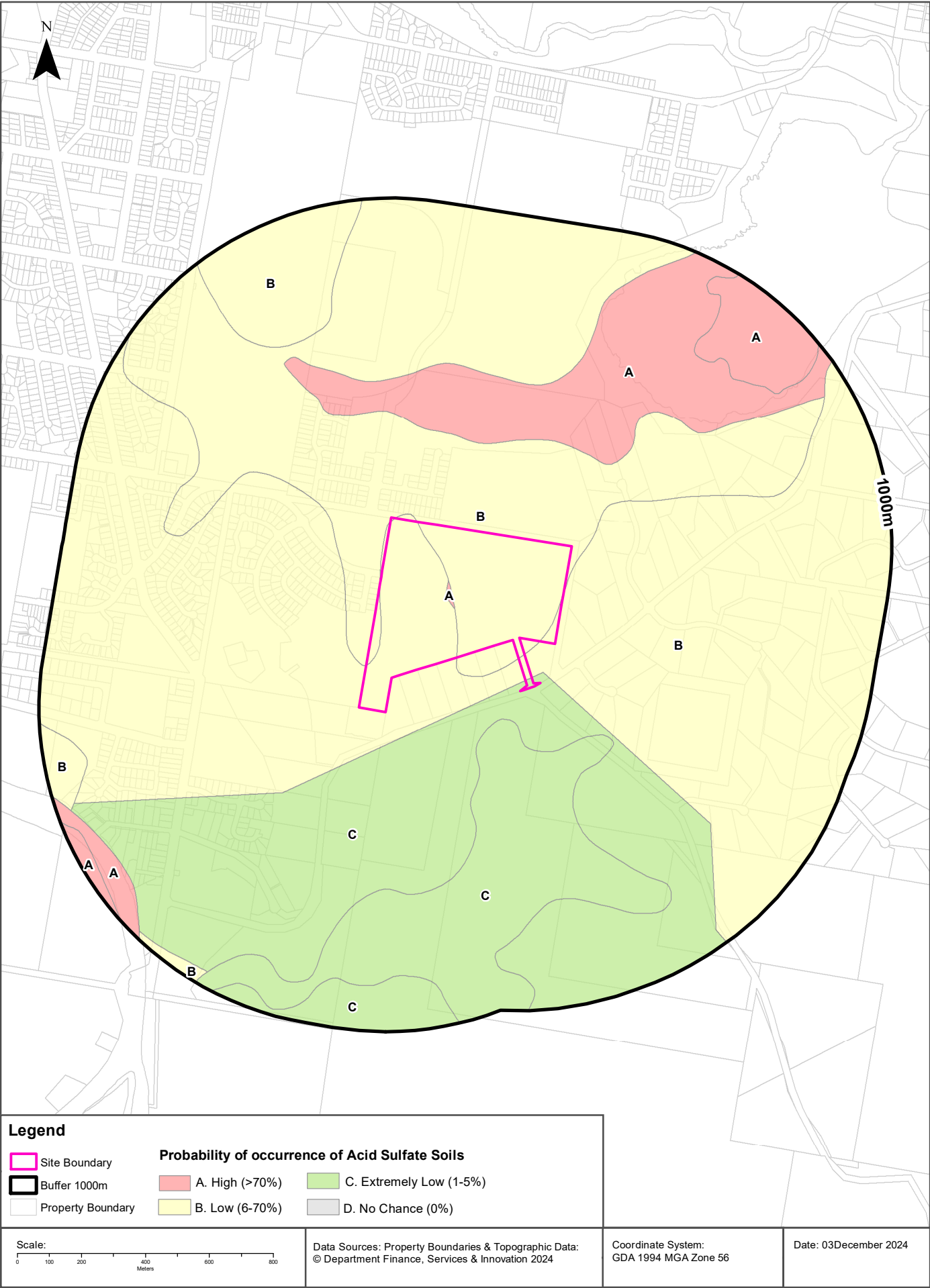
Soil Class	Description	EPI Name
4	Works more than 2 metres below natural ground surface present an environmental risk; Works by which the watertable is likely to be lowered more than 2 metres below natural ground surface, present an environmental risk	Kempsey Local Environmental Plan 2013

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

157 Arakoon Road, South West Rocks, NSW 2431

### Atlas of Australian Acid Sulfate Soils

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

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

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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## Dryland Salinity

157 Arakoon Road, South West Rocks, NSW 2431

### 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

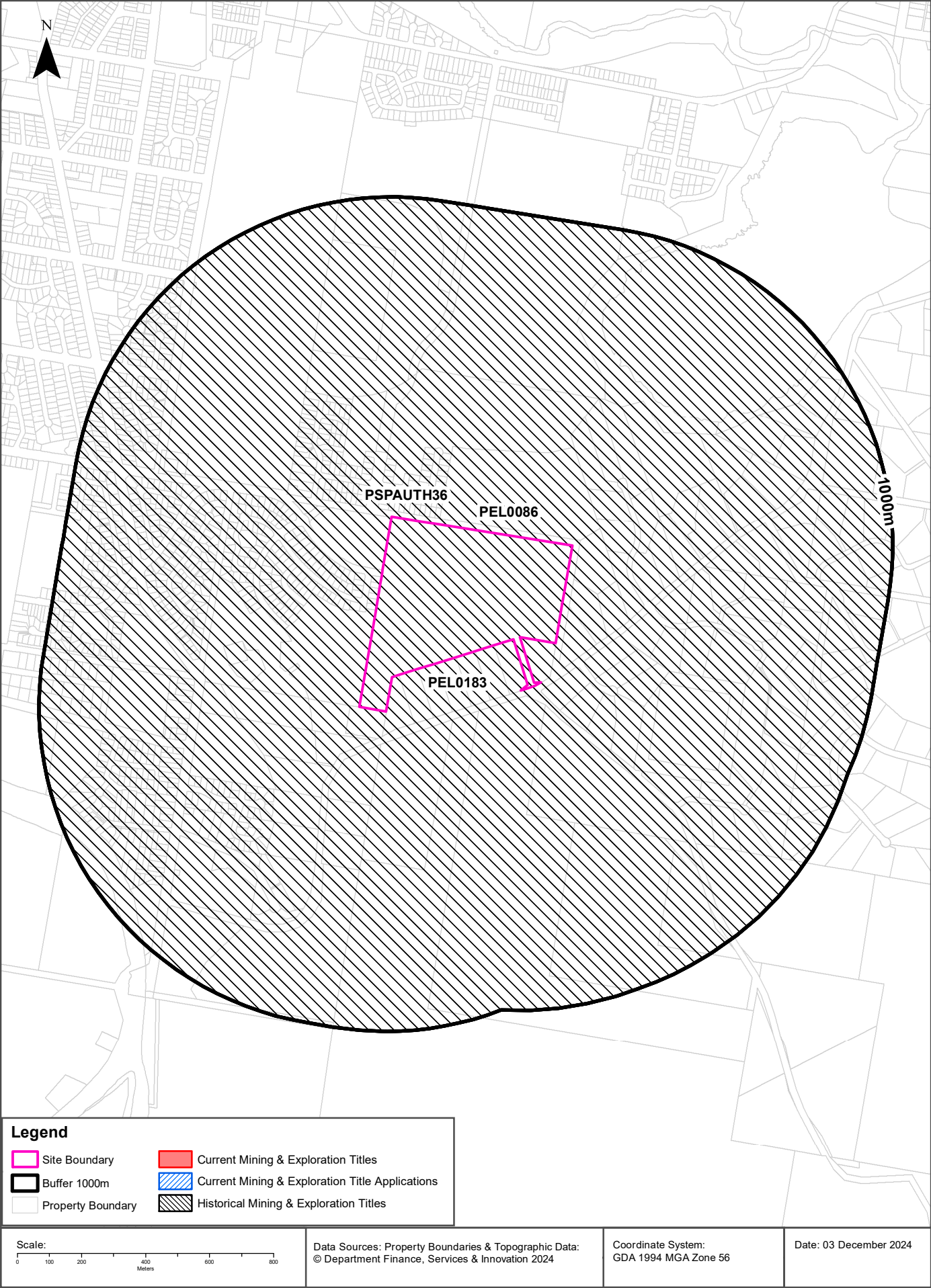
157 Arakoon Road, South West Rocks, NSW 2431

### 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

157 Arakoon Road, South West Rocks, NSW 2431

### 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



## Mining

157 Arakoon Road, South West Rocks, NSW 2431

### Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL0086	OIL DEVELOPMENT NL			PETROLEUM	Petroleum	0m	On-site
PSPAUTH36	PANGAEA OIL & GAS PTY LIMITED	20091111	20101111	PETROLEUM	Petroleum	0m	On-site
PEL0183	APEX PETROLEUM PTY LTD	19710412		PETROLEUM	Petroleum	0m	On-site

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

# State Environmental Planning Policy

157 Arakoon Road, South West Rocks, NSW 2431

## State Significant Precincts

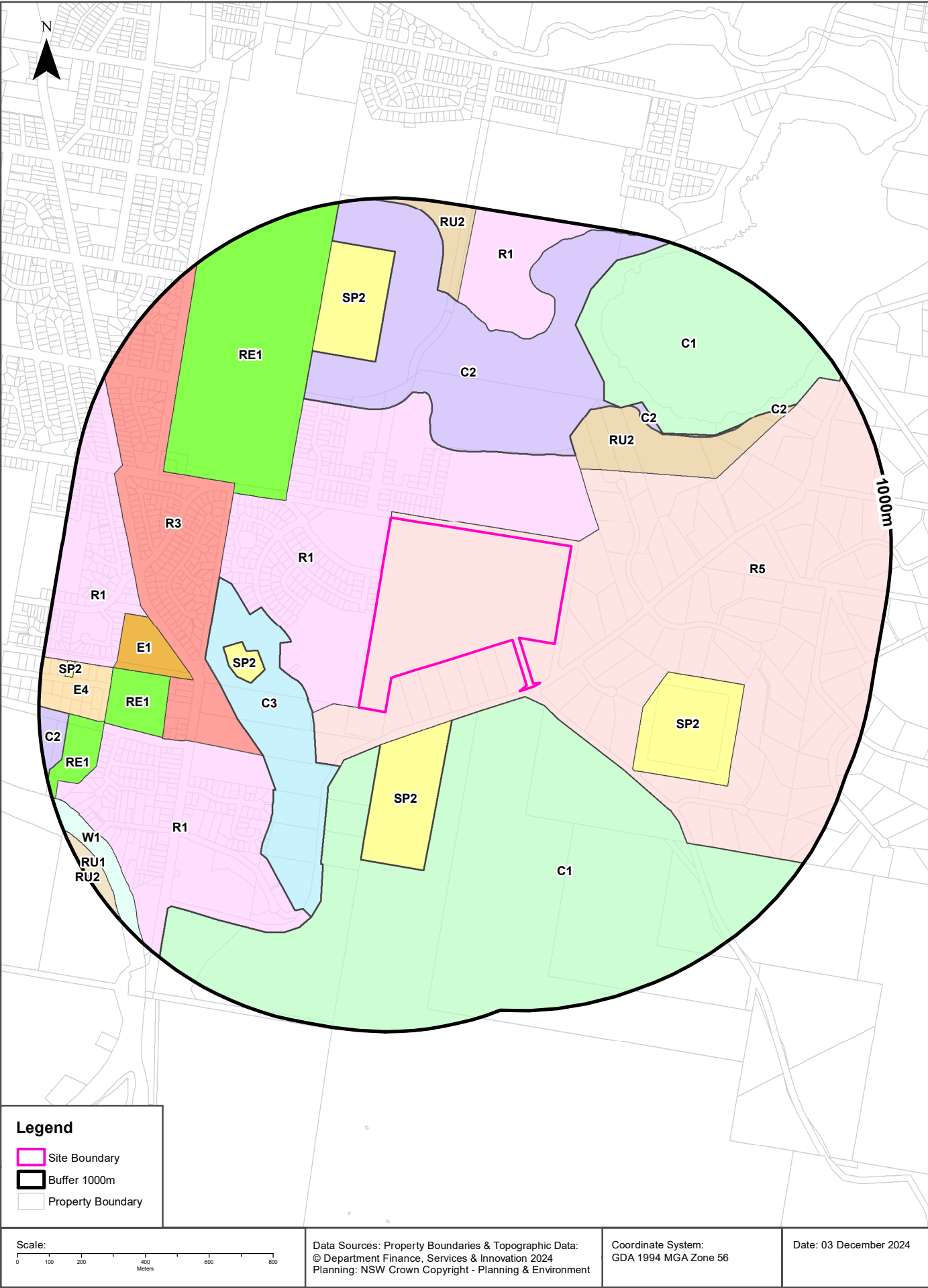
What SEPP State Significant Precincts exist within the dataset buffer?

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

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

157 Arakoon Road, South West Rocks, NSW 2431



# Environmental Planning Instrument

157 Arakoon Road, South West Rocks, NSW 2431

## 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
R5	Large Lot Residential		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	0m	On-site
R1	General Residential		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	0m	North West
C1	National Parks and Nature Reserves		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	20m	South East
SP2	Infrastructure	Waste or Resource Management Facility	Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	91m	South
C3	Environmental Management		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	146m	South West
C2	Environmental Conservation		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	239m	North
RU2	Rural Landscape		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	245m	North East
SP2	Infrastructure	Water Supply System	Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	311m	West
SP2	Infrastructure	Cemetery	Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	329m	South East
R3	Medium Density Residential		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	335m	West
R1	General Residential		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	335m	South West
RE1	Public Recreation		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	335m	North West
C2	Environmental Conservation		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	446m	North East
SP2	Infrastructure	Sewerage Systems	Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	491m	North
E1	Local Centre		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	525m	West
RE1	Public Recreation		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	598m	West
R1	General Residential		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	619m	North
R1	General Residential		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	697m	West
RU2	Rural Landscape		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	702m	North
C2	Environmental Conservation		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	756m	North East

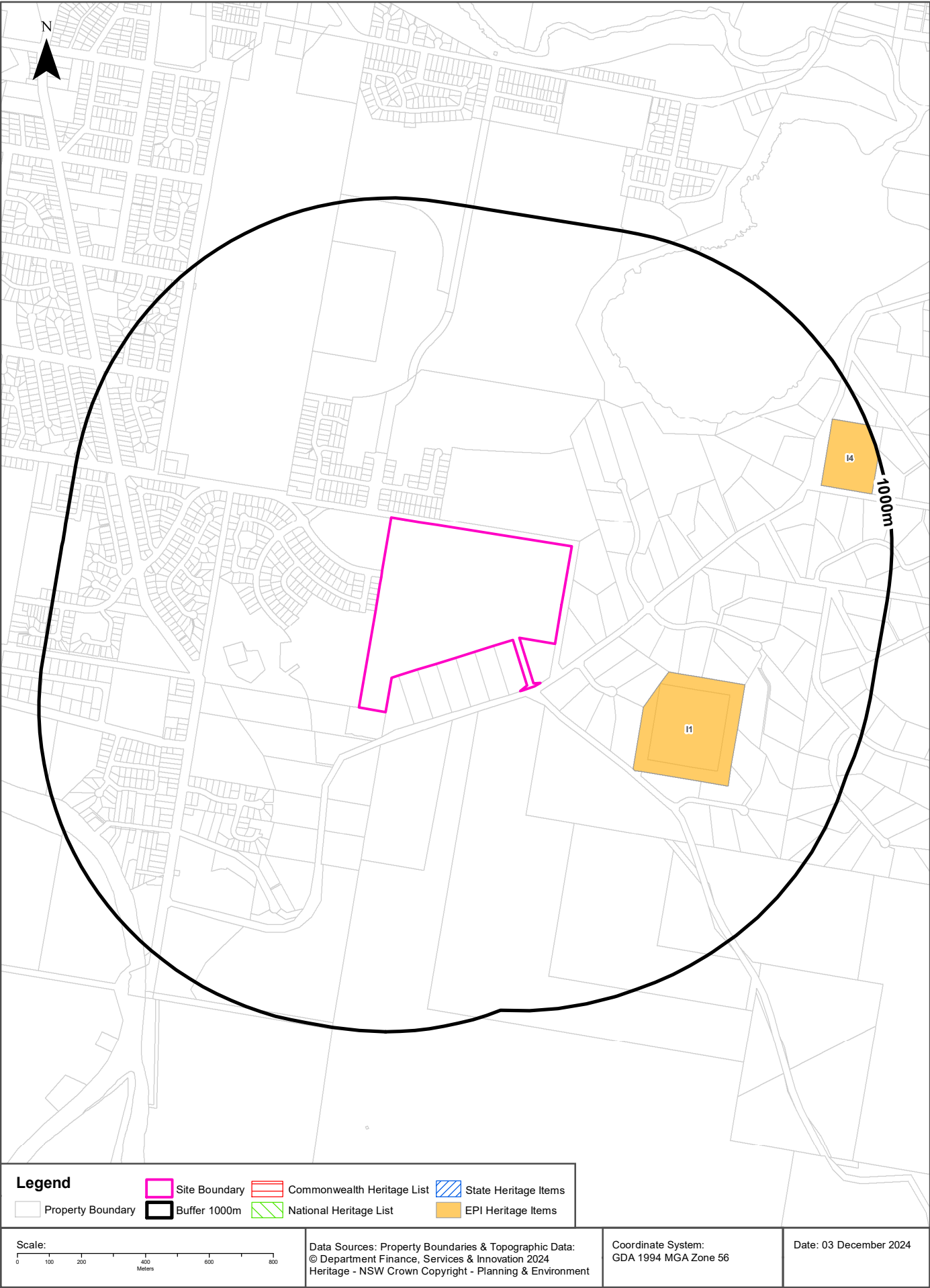


Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
E4	General Industrial		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	778m	West
RE1	Public Recreation		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	797m	West
W1	Natural Waterways		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	889m	South West
SP2	Infrastructure	Water Supply System	Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	899m	West
C2	Environmental Conservation		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	906m	West
RU1	Primary Production		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	946m	South West
RU2	Rural Landscape		Kempsey Local Environmental Plan 2013	21/04/2023	26/04/2023	25/10/2024	Map Amendment No 4	999m	South West

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

157 Arakoon Road, South West Rocks, NSW 2431



## Heritage

157 Arakoon Road, South West Rocks, NSW 2431

### 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							

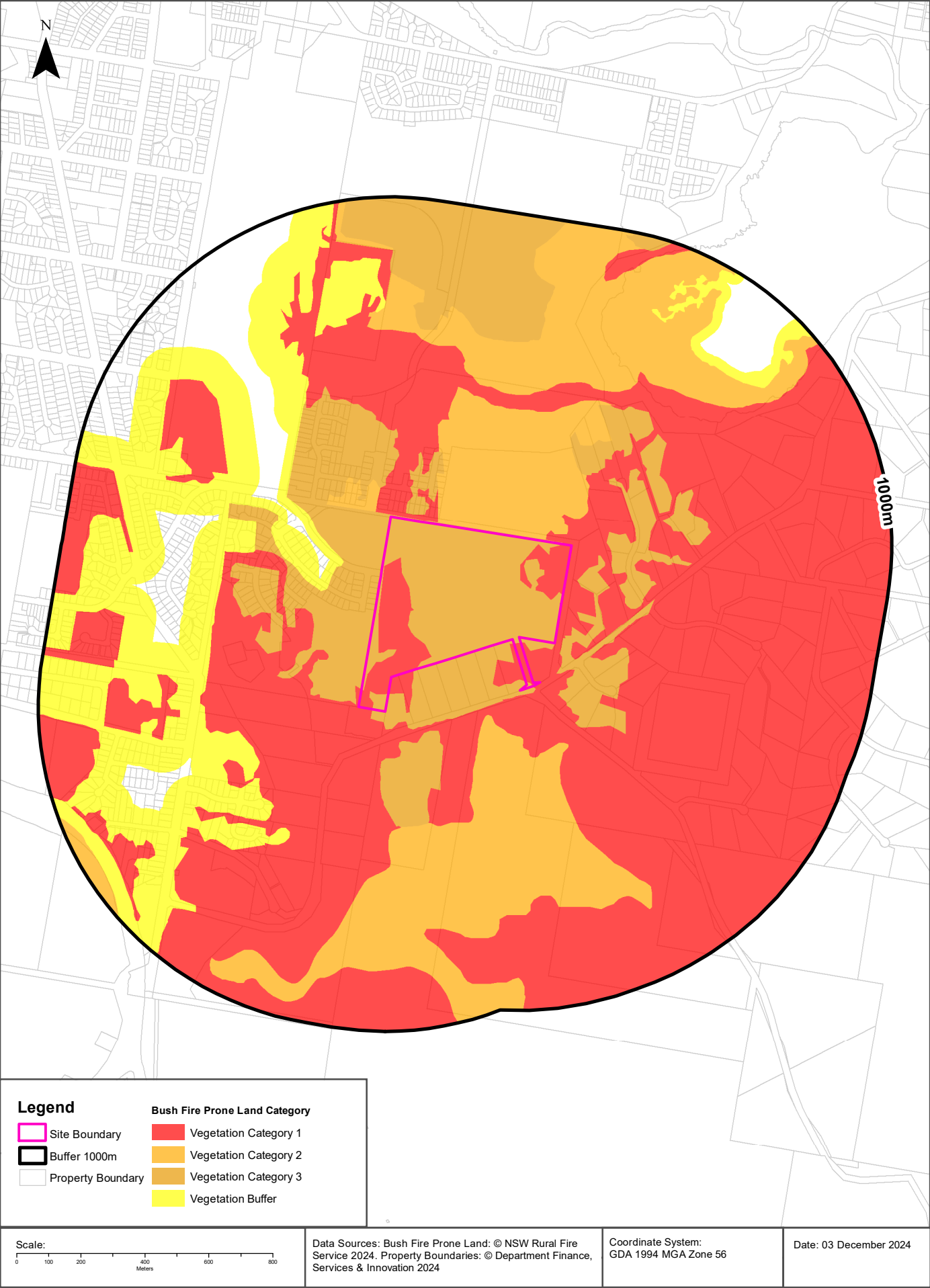
Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage  
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### Environmental Planning Instrument - Heritage

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
I1	Arakoon Cemetery	Item - General	Local	Kempsey Local Environmental Plan 2013	20/12/2013	03/02/2014	03/02/2014	329m	South East
I4	Gap Beach Cemetery	Item - General	Local	Kempsey Local Environmental Plan 2013	20/12/2013	03/02/2014	03/02/2014	801m	East

Heritage Data Source: NSW Crown Copyright - Planning & Environment  
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## Natural Hazards

157 Arakoon Road, South West Rocks, NSW 2431

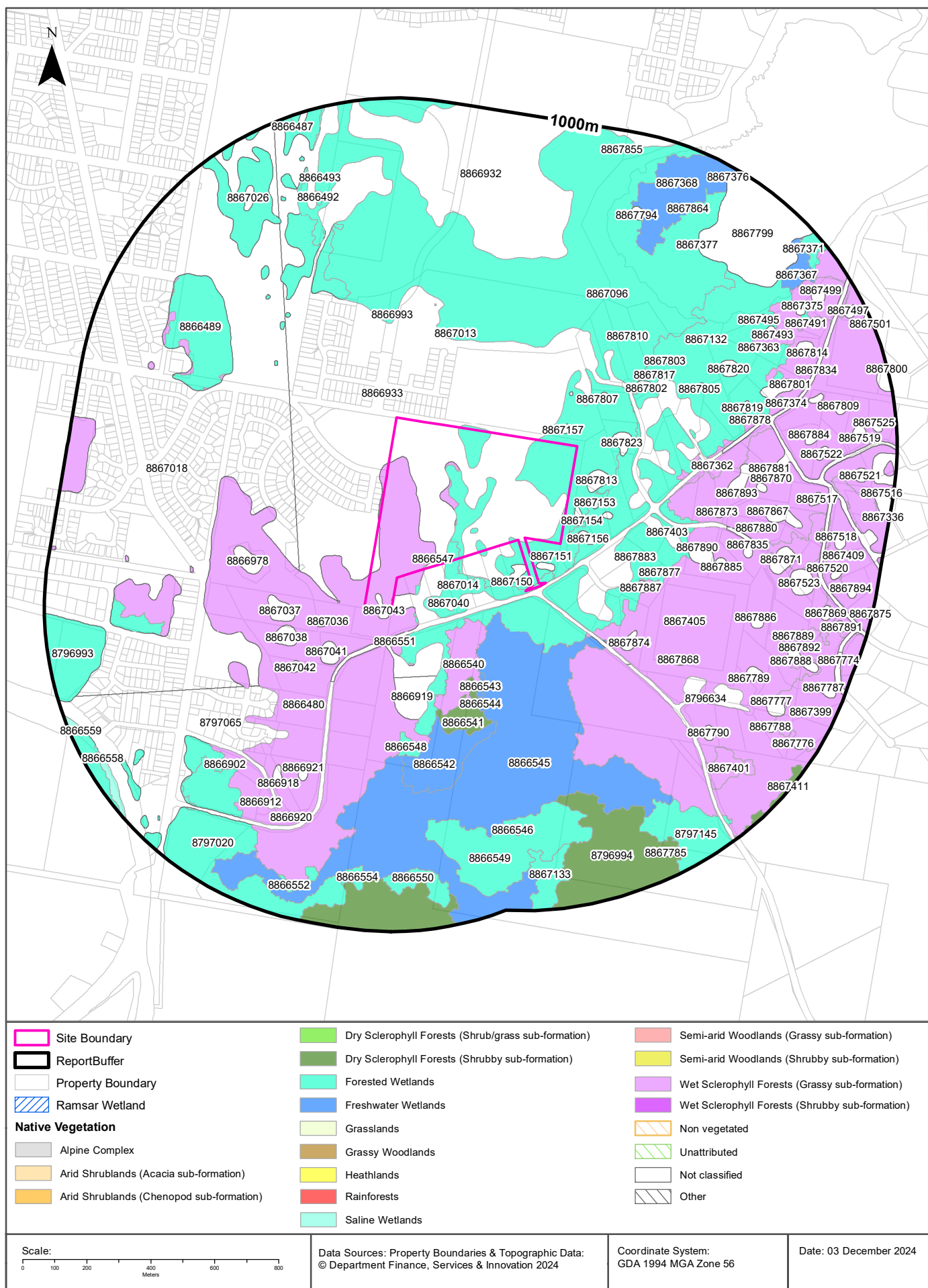
### Bush Fire Prone Land

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 Category 2	6m	North
Vegetation Buffer	123m	West

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

**157 Arakoon Road, South West Rocks, NSW 2431**



# Ecological Constraints

157 Arakoon Road, South West Rocks, NSW 2431

## Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
8866480	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Foothills Blackbutt Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	0m	On-site
8866547	Forested Wetlands	(Forested Wetlands) Northern Melaleuca quinquenervia Swamp Forest	Coastal Swamp Forests	0m	On-site
8866933	Not classified	(Not classified) Not classified	Not classified	0m	On-site
8867043	Not classified	(Not classified) Not classified	Not classified	0m	On-site
8867096	Forested Wetlands	(Forested Wetlands) Northern Melaleuca quinquenervia Swamp Forest	Coastal Swamp Forests	0m	On-site
8867132	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	0m	On-site
8866489	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	0m	North West
8867150	Not classified	(Not classified) Not classified	Not classified	0m	South East
8867155	Not classified	(Not classified) Not classified	Not classified	6m	South East
8867154	Not classified	(Not classified) Not classified	Not classified	25m	East
8867157	Not classified	(Not classified) Not classified	Not classified	30m	North East
8867151	Not classified	(Not classified) Not classified	Not classified	34m	South East
8867813	Not classified	(Not classified) Not classified	Not classified	44m	East
8867156	Not classified	(Not classified) Not classified	Not classified	49m	East
8867014	Not classified	(Not classified) Not classified	Not classified	65m	South
8867153	Not classified	(Not classified) Not classified	Not classified	72m	East
8867039	Not classified	(Not classified) Not classified	Not classified	80m	South West
8866551	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	87m	South West
8866545	Freshwater Wetlands	(Freshwater Wetlands) Northern Sandplain Wet Heath	Coastal Heath Swamps	104m	South
8867040	Not classified	(Not classified) Not classified	Not classified	105m	South
8867823	Not classified	(Not classified) Not classified	Not classified	107m	East
8867808	Not classified	(Not classified) Not classified	Not classified	113m	East
8867036	Not classified	(Not classified) Not classified	Not classified	115m	South West
8867041	Not classified	(Not classified) Not classified	Not classified	148m	South West
8867807	Not classified	(Not classified) Not classified	Not classified	154m	North East
8867152	Not classified	(Not classified) Not classified	Not classified	155m	North East
8866540	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Foothills Blackbutt Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	168m	South
8867405	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Foothills Blackbutt Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	200m	East
8866919	Not classified	(Not classified) Not classified	Not classified	206m	South

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
8867037	Not classified	(Not classified) Not classified	Not classified	219m	South West
8867018	Not classified	(Not classified) Not classified	Not classified	220m	West
8867038	Not classified	(Not classified) Not classified	Not classified	227m	South West
8867818	Not classified	(Not classified) Not classified	Not classified	232m	East
8867883	Not classified	(Not classified) Not classified	Not classified	236m	East
8797065	Not classified	(Not classified) Not classified	Not classified	250m	South West
8867802	Not classified	(Not classified) Not classified	Not classified	260m	North East
8867042	Not classified	(Not classified) Not classified	Not classified	266m	South West
8867887	Not classified	(Not classified) Not classified	Not classified	268m	South East
8867013	Not classified	(Not classified) Not classified	Not classified	285m	North
8866543	Freshwater Wetlands	(Freshwater Wetlands) Northern Lowland Clay Wet Heath	Coastal Heath Swamps	289m	South
8867874	Not classified	(Not classified) Not classified	Not classified	299m	South East
8867403	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Foothills Blackbutt Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	304m	East
8867877	Not classified	(Not classified) Not classified	Not classified	313m	East
8866541	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Northern Sands Blackbutt-Stringybark Forest	Coastal Dune Dry Sclerophyll Forests	316m	South
8866993	Not classified	(Not classified) Not classified	Not classified	319m	North
8867362	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Bloodwood-Ironbark Moist Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	322m	East
8867822	Not classified	(Not classified) Not classified	Not classified	324m	North East
8867817	Not classified	(Not classified) Not classified	Not classified	326m	North East
8866978	Not classified	(Not classified) Not classified	Not classified	336m	West
8866542	Freshwater Wetlands	(Freshwater Wetlands) Northern Lowland Clay Wet Heath	Coastal Heath Swamps	352m	South
8796634	Not classified	(Not classified) Not classified	Not classified	358m	South East
8866544	Freshwater Wetlands	(Freshwater Wetlands) Northern Lowland Clay Wet Heath	Coastal Heath Swamps	372m	South
8867803	Not classified	(Not classified) Not classified	Not classified	375m	North East
8866548	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	376m	South
8867810	Not classified	(Not classified) Not classified	Not classified	376m	North East
8867890	Not classified	(Not classified) Not classified	Not classified	398m	East
8867805	Not classified	(Not classified) Not classified	Not classified	419m	North East
8867873	Not classified	(Not classified) Not classified	Not classified	447m	East
8867834	Not classified	(Not classified) Not classified	Not classified	453m	East
8867868	Not classified	(Not classified) Not classified	Not classified	455m	South East
8867885	Not classified	(Not classified) Not classified	Not classified	482m	East
8867893	Not classified	(Not classified) Not classified	Not classified	484m	East
8867835	Not classified	(Not classified) Not classified	Not classified	502m	East
8867820	Not classified	(Not classified) Not classified	Not classified	506m	North East



Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
8867819	Not classified	(Not classified) Not classified	Not classified	523m	East
8866921	Not classified	(Not classified) Not classified	Not classified	530m	South West
8867878	Not classified	(Not classified) Not classified	Not classified	532m	East
8866932	Not classified	(Not classified) Not classified	Not classified	541m	North
8866918	Not classified	(Not classified) Not classified	Not classified	560m	South West
8867896	Not classified	(Not classified) Not classified	Not classified	571m	East
8867880	Not classified	(Not classified) Not classified	Not classified	576m	East
8867801	Not classified	(Not classified) Not classified	Not classified	595m	East
8867881	Not classified	(Not classified) Not classified	Not classified	599m	East
8867870	Not classified	(Not classified) Not classified	Not classified	609m	East
8867867	Not classified	(Not classified) Not classified	Not classified	612m	East
8867374	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	622m	East
8796993	Forested Wetlands	(Forested Wetlands) Estuarine Sea Rush Swamp Oak Forest	Coastal Floodplain Wetlands	627m	South West
8867409	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Hinterland Grey Gum-Mahogany Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	631m	East
8867363	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Bloodwood-Ironbark Moist Grassy Forest	Northern Hinterland Wet Sclerophyll Forests	632m	North East
8867886	Not classified	(Not classified) Not classified	Not classified	635m	South East
8866902	Not classified	(Not classified) Not classified	Not classified	638m	South West
8867368	Freshwater Wetlands	(Freshwater Wetlands) Northern Sands Machaerina-Eleocharis Sedgeland	Coastal Freshwater Lagoons	641m	North East
8797020	Forested Wetlands	(Forested Wetlands) Northern Melaleuca quinquenervia Swamp Forest	Coastal Swamp Forests	643m	South West
8796994	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Northern Sands Blackbutt-Stringybark Forest	Coastal Dune Dry Sclerophyll Forests	644m	South
8867871	Not classified	(Not classified) Not classified	Not classified	654m	East
8866549	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	661m	South
8867790	Not classified	(Not classified) Not classified	Not classified	671m	South East
8867493	Not classified	(Not classified) Not classified	Not classified	678m	North East
8866920	Not classified	(Not classified) Not classified	Not classified	680m	South West
8866912	Not classified	(Not classified) Not classified	Not classified	685m	South West
8867789	Not classified	(Not classified) Not classified	Not classified	685m	South East
8867495	Not classified	(Not classified) Not classified	Not classified	689m	North East
8866492	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	706m	North West
8867884	Not classified	(Not classified) Not classified	Not classified	711m	East
8867799	Not classified	(Not classified) Not classified	Not classified	714m	North East
8867523	Not classified	(Not classified) Not classified	Not classified	724m	East
8867377	Not classified	(Not classified) Not classified	Not classified	730m	North East
8866546	Freshwater Wetlands	(Freshwater Wetlands) Northern Sandplain Wet Heath	Coastal Heath Swamps	731m	South

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
8867794	Not classified	(Not classified) Not classified	Not classified	732m	North East
8867821	Not classified	(Not classified) Not classified	Not classified	735m	East
8867401	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Blackbutt-Turpentine Shrub Forest	Northern Hinterland Wet Sclerophyll Forests	738m	South East
8867517	Not classified	(Not classified) Not classified	Not classified	743m	East
8867814	Not classified	(Not classified) Not classified	Not classified	746m	North East
8867522	Not classified	(Not classified) Not classified	Not classified	747m	East
8797145	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	752m	South East
8867889	Not classified	(Not classified) Not classified	Not classified	766m	East
8866493	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	779m	North West
8867777	Not classified	(Not classified) Not classified	Not classified	780m	South East
8867888	Not classified	(Not classified) Not classified	Not classified	785m	South East
8867399	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Blackbutt-Turpentine Shrub Forest	Northern Hinterland Wet Sclerophyll Forests	790m	South East
8866554	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	798m	South
8867026	Not classified	(Not classified) Not classified	Not classified	799m	North West
8867133	Forested Wetlands	(Forested Wetlands) Northern Paperbark-Swamp Mahogany Saw-sedge Forest	Coastal Swamp Forests	801m	South
8867491	Not classified	(Not classified) Not classified	Not classified	801m	North East
8867496	Not classified	(Not classified) Not classified	Not classified	801m	North East
8866550	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	803m	South
8867864	Not classified	(Not classified) Not classified	Not classified	803m	North East
8867375	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	805m	North East
8867367	Freshwater Wetlands	(Freshwater Wetlands) Northern Sands Machaerina-Eleocharis Sedgeland	Coastal Freshwater Lagoons	808m	North East
8867892	Not classified	(Not classified) Not classified	Not classified	809m	South East
8867809	Not classified	(Not classified) Not classified	Not classified	815m	East
8867788	Not classified	(Not classified) Not classified	Not classified	818m	South East
8866552	Forested Wetlands	(Forested Wetlands) Northern Melaleuca quinquenervia Swamp Forest	Coastal Swamp Forests	825m	South West
8867520	Not classified	(Not classified) Not classified	Not classified	830m	East
8867869	Not classified	(Not classified) Not classified	Not classified	840m	East
8867518	Not classified	(Not classified) Not classified	Not classified	841m	East
8867531	Not classified	(Not classified) Not classified	Not classified	847m	East
8867499	Not classified	(Not classified) Not classified	Not classified	852m	North East
8867519	Not classified	(Not classified) Not classified	Not classified	860m	East
8867521	Not classified	(Not classified) Not classified	Not classified	866m	East
8867891	Not classified	(Not classified) Not classified	Not classified	890m	East
8867785	Not classified	(Not classified) Not classified	Not classified	905m	South East
8867787	Not classified	(Not classified) Not classified	Not classified	908m	South East

Map ID	Vegetation Formation	Plant Community Type and Vegetation Formation	Vegetation Class	Dist	Dir
8867413	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	909m	South East
8867894	Not classified	(Not classified) Not classified	Not classified	909m	East
8867371	Forested Wetlands	(Forested Wetlands) Coastal Creekflat Layered Grass-Sedge Swamp Forest	Coastal Floodplain Wetlands	910m	North East
8867525	Not classified	(Not classified) Not classified	Not classified	920m	East
8867776	Not classified	(Not classified) Not classified	Not classified	920m	South East
8867774	Not classified	(Not classified) Not classified	Not classified	930m	South East
8867497	Not classified	(Not classified) Not classified	Not classified	931m	North East
8867855	Not classified	(Not classified) Not classified	Not classified	937m	North East
8866558	Saline Wetlands	(Saline Wetlands) Grey Mangrove-River Mangrove Forest	Mangrove Swamps	940m	South West
8867336	Wet Sclerophyll Forests (Grassy sub-formation)	(Wet Sclerophyll Forests (Grassy sub-formation)) Northern Blackbutt-Turpentine Shrub Forest	Northern Hinterland Wet Sclerophyll Forests	942m	East
8867516	Not classified	(Not classified) Not classified	Not classified	942m	East
8866559	Saline Wetlands	(Saline Wetlands) Grey Mangrove-River Mangrove Forest	Mangrove Swamps	954m	South West
8867800	Not classified	(Not classified) Not classified	Not classified	957m	East
8867411	Dry Sclerophyll Forests (Shrubby sub-formation)	(Dry Sclerophyll Forests (Shrubby sub-formation)) Northern Sands Blackbutt-Stringybark Forest	Coastal Dune Dry Sclerophyll Forests	959m	South East
8866487	Forested Wetlands	(Forested Wetlands) Northern Melaleuca quinquenervia Swamp Forest	Coastal Swamp Forests	966m	North West
8867376	Not classified	(Not classified) Not classified	Not classified	966m	North East
8867875	Not classified	(Not classified) Not classified	Not classified	973m	East
8867501	Not classified	(Not classified) Not classified	Not classified	978m	North East

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

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## Ecological Constraints

157 Arakoon Road, South West Rocks, NSW 2431

### Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

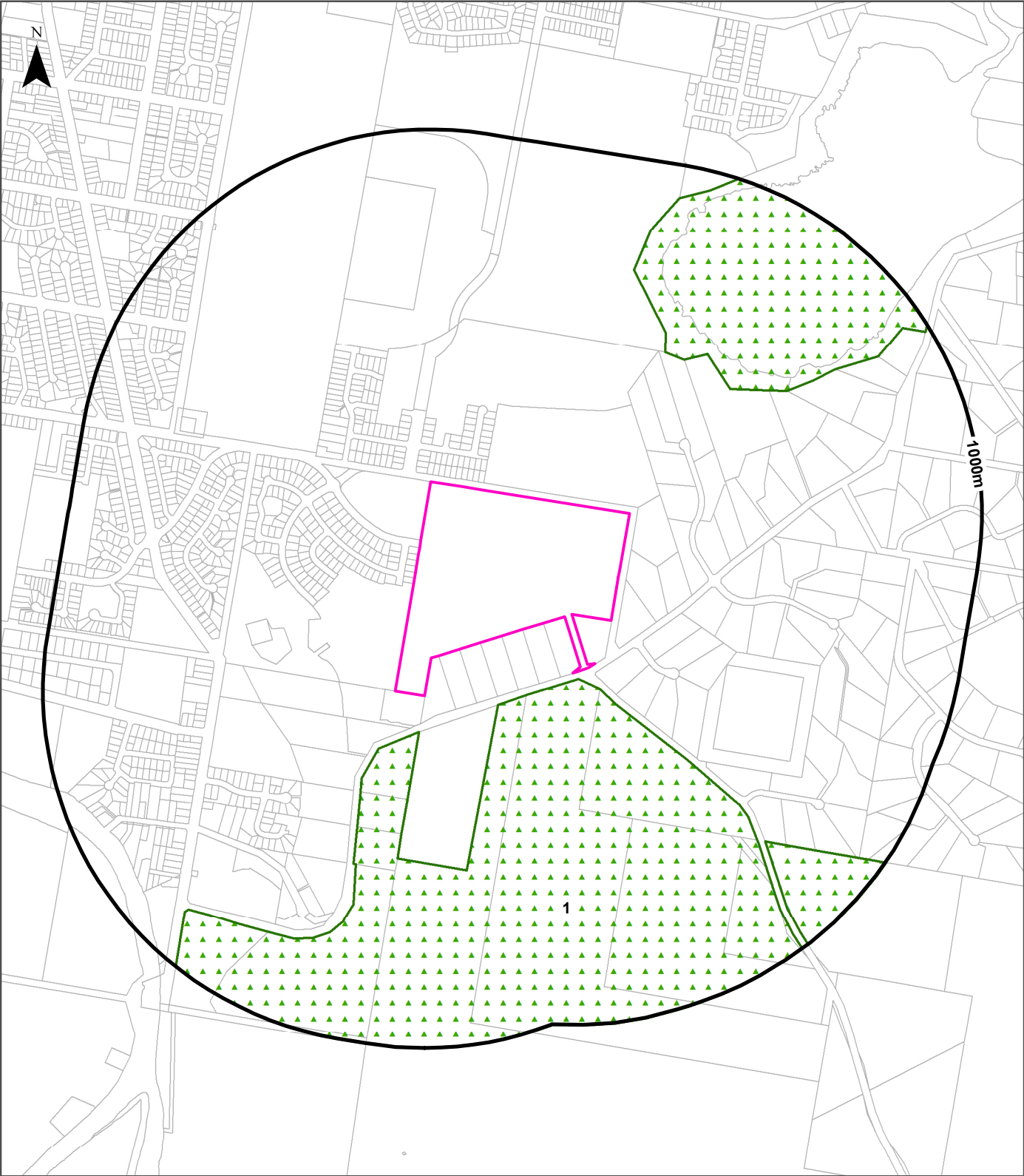
Map ID	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

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



# Ecological Constraints - Protected Areas

157 Arakoon Road, South West Rocks, NSW 2431



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

Scale:

0 100 200 400 600 Meters

Data Sources: Property Boundaries & Topographic Data:  
© Department Finance, Services & Innovation 2024

Coordinate System:  
GDA 1994 MGA Zone 56

Date: 03 December 2024

## Ecological Constraints

157 Arakoon Road, South West Rocks, NSW 2431

### Collaborative Australian Protected Areas Database - Terrestrial

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

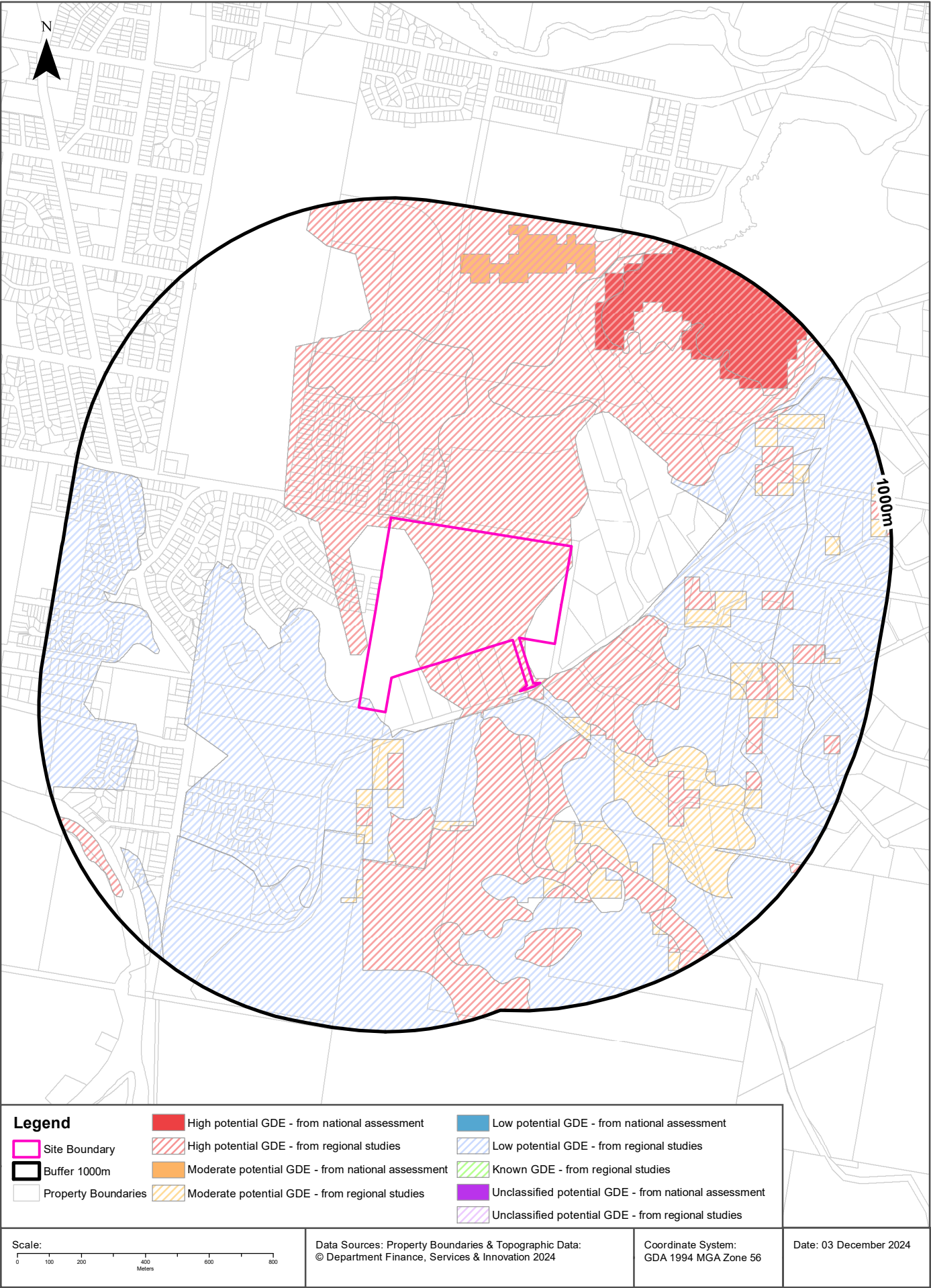
Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
1	Hat Head	National Park	National Park	NSW Department of Planning and Environment	State	20m	South East

### Collaborative Australian Protected Areas Database - Marine

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

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

Source: Collaborative Australian Protected Areas Database (CAPAD) 2022  
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## Ecological Constraints

157 Arakoon Road, South West Rocks, NSW 2431

### Groundwater Dependent Ecosystems Atlas

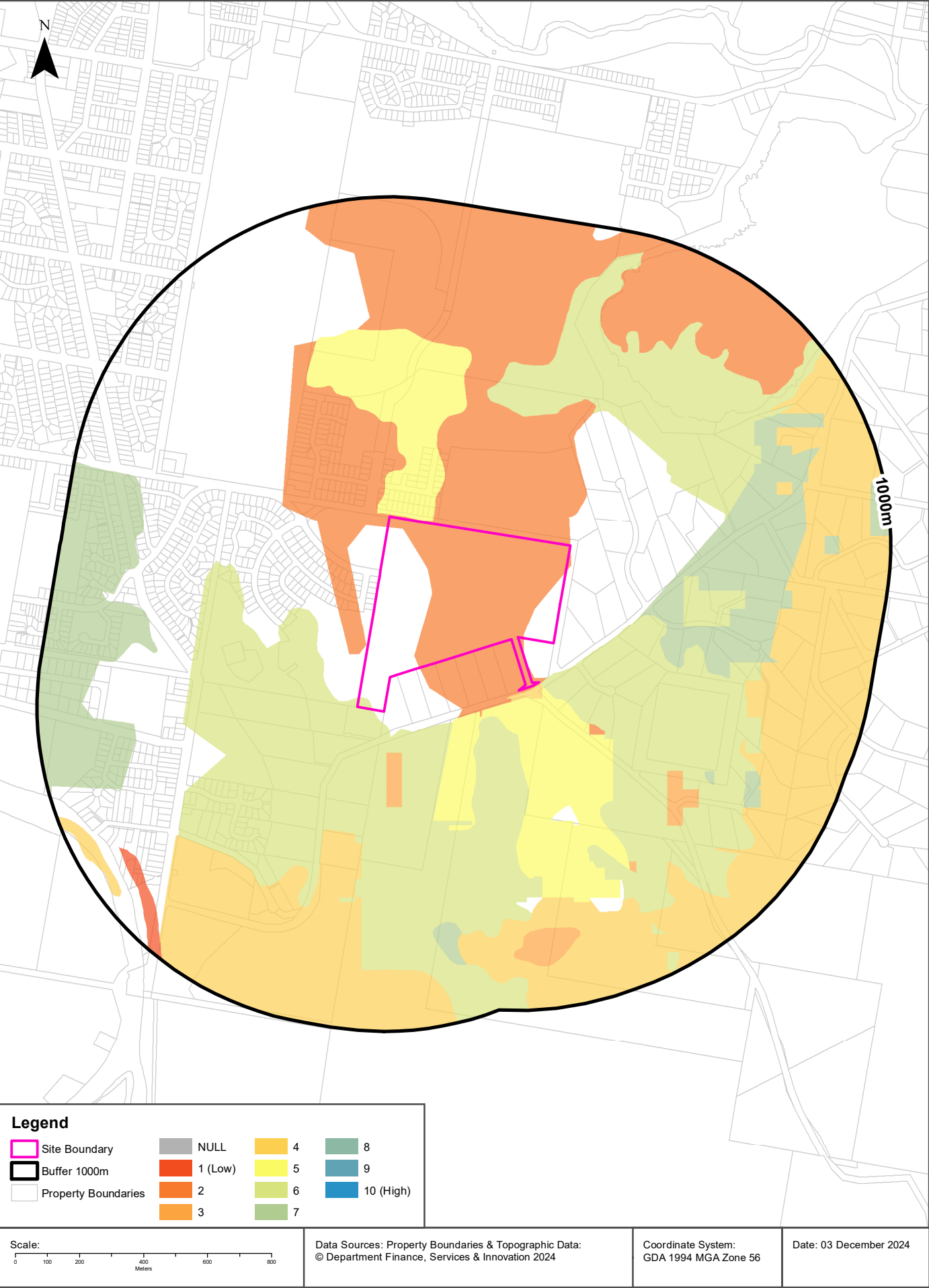
Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	High potential GDE - from regional studies	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		0m	On-site
Terrestrial	Low potential GDE - from regional studies	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		0m	On-site
Terrestrial	Moderate potential GDE - from regional studies	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		86m	South West
Aquatic	High potential GDE - from national assessment	Plateau flank dissected into narrow strike ridges and valleys.	Wetland		619m	North East
Aquatic	Moderate potential GDE - from national assessment	Plateau flank dissected into narrow strike ridges and valleys.	Wetland		765m	North

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology

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# Ecological Constraints - Inflow Dependent Ecosystems Likelihood

157 Arakoon Road, South West Rocks, NSW 2431





## Ecological Constraints

157 Arakoon Road, South West Rocks, NSW 2431

### Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial	2	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		0m	On-site
Terrestrial	6	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		0m	On-site
Terrestrial	4	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		5m	South East
Terrestrial	5	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		6m	North
Terrestrial	3	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		130m	South
Terrestrial	7	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		241m	East
Aquatic	10	Plateau flank dissected into narrow strike ridges and valleys.	Wetland		619m	North East
Aquatic	2	Plateau flank dissected into narrow strike ridges and valleys.	Wetland		765m	North
Terrestrial	1	Plateau flank dissected into narrow strike ridges and valleys.	Vegetation		834m	South West

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology

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# Ecological Constraints

157 Arakoon Road, South West Rocks, NSW 2431

## NSW BioNet Species Sightings

Species sightings from the NSW BioNet Repository that have either a state or federal conservation status, or a sensitivity status, and are within 10 km of the site:

*Note: This data does not include NSW Category 1 sensitive species.*

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Crinia tinnula	Wallum Froglet	Not Sensitive	Vulnerable	Not Listed	
Animalia	Amphibia	Mixophyes balbus	Stuttering Frog	Category 2	Endangered	Vulnerable	
Animalia	Aves	Actitis hypoleucos	Common Sandpiper	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Anous stolidus	Common Noddy	Not Sensitive	Not Listed	Not Listed	CAMBA;JAMBA
Animalia	Aves	Anseranas semipalmata	Magpie Goose	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Category 2	Critically Endangered	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Ardenna carneipes	Flesh-footed Shearwater	Not Sensitive	Vulnerable	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Ardenna grisea	Sooty Shearwater	Not Sensitive	Not Listed	Not Listed	JAMBA
Animalia	Aves	Ardenna pacifica	Wedge-tailed Shearwater	Not Sensitive	Not Listed	Not Listed	JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Arenaria interpres	Ruddy Turnstone	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Botaurus poiciloptilus	Australasian Bittern	Not Sensitive	Endangered	Endangered	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Calidris alba	Sanderling	Not Sensitive	Vulnerable	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Calidris canutus	Red Knot	Not Sensitive	Not Listed	Endangered	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Calidris ferruginea	Curlew Sandpiper	Not Sensitive	Critically Endangered	Critically Endangered	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Calidris melanotos	Pectoral Sandpiper	Not Sensitive	Not Listed	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Calidris ruficollis	Red-necked Stint	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Calidris tenuirostris	Great Knot	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Calonectris leucomelas	Streaked Shearwater	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Calyptorhynchus lathami lathami	South-eastern Glossy Black-Cockatoo	Category 2	Vulnerable	Vulnerable	
Animalia	Aves	Charadrius mongolus	Lesser Sand-plover	Not Sensitive	Vulnerable	Endangered	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Circus assimilis	Spotted Harrier	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Coracina lineata	Barred Cuckoo-shrike	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Ephippiorhynchus asiaticus	Black-necked Stork	Not Sensitive	Endangered	Not Listed	
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Not Sensitive	Vulnerable	Not Listed	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Esacus magnirostris	Beach Stone-curlew	Not Sensitive	Critically Endangered	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;JAMBA
Animalia	Aves	Gelochelidon nilotica	Gull-billed Tern	Not Sensitive	Not Listed	Not Listed	CAMBA
Animalia	Aves	Glareola maldivarum	Oriental Pratincole	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Grus rubicunda	Brolga	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Haematopus fuliginosus	Sooty Oystercatcher	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Not Sensitive	Endangered	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Sensitive	Not Listed	Not Listed	JAMBA
Animalia	Aves	Irediparra gallinacea	Comb-crested Jacana	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Not Sensitive	Endangered	Critically Endangered	
Animalia	Aves	Lichenostomus fasciularis	Mangrove Honeyeater	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Limicola falcinellus	Broad-billed Sandpiper	Not Sensitive	Vulnerable	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa limosa	Black-tailed Godwit	Not Sensitive	Vulnerable	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Macronectes giganteus	Southern Giant Petrel	Not Sensitive	Endangered	Endangered	
Animalia	Aves	Ninox connivens	Barking Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Numenius madagascariensis	Eastern Curlew	Not Sensitive	Not Listed	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius phaeopus	Whimbrel	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Oceanites oceanicus	Wilson's Storm-Petrel	Not Sensitive	Not Listed	Not Listed	JAMBA
Animalia	Aves	Onychoprion fuscata	Sooty Tern	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Category 3	Vulnerable	Not Listed	
Animalia	Aves	Phaethon lepturus	White-tailed Tropicbird	Not Sensitive	Not Listed	Not Listed	CAMBA;JAMBA
Animalia	Aves	Pluvialis fulva	Pacific Golden Plover	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Podargus ocellatus	Marbled Frogmouth	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Procelsterna cerulea	Grey Ternlet	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Pterodroma solandri	Providence Petrel	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	Ptilinopus magnificus	Wompoo Fruit-Dove	Not Sensitive	Vulnerable	Not Listed	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	<i>Ptilinopus regina</i>	Rose-crowned Fruit-Dove	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	<i>Puffinus assimilis</i>	Little Shearwater	Not Sensitive	Vulnerable	Not Listed	
Animalia	Aves	<i>Rostratula australis</i>	Australian Painted Snipe	Not Sensitive	Endangered	Endangered	
Animalia	Aves	<i>Stercorarius longicaudus</i>	Long-tailed Jaeger	Not Sensitive	Not Listed	Not Listed	CAMBA;JAMBA
Animalia	Aves	<i>Stercorarius parasiticus</i>	Arctic Jaeger	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Stercorarius pomarinus</i>	Pomarine Jaeger	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Sterna hirundo</i>	Common Tern	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Sternula albifrons</i>	Little Tern	Not Sensitive	Endangered	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Sula dactylatra</i>	Masked Booby	Not Sensitive	Vulnerable	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	<i>Sula leucogaster</i>	Brown Booby	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Thalassarche cauta</i>	Shy Albatross	Not Sensitive	Endangered	Endangered	
Animalia	Aves	<i>Thalassarche melanophris</i>	Black-browed Albatross	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Aves	<i>Thalasseus bergii</i>	Crested Tern	Not Sensitive	Not Listed	Not Listed	JAMBA
Animalia	Aves	<i>Tringa brevipes</i>	Grey-tailed Tattler	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Tringa glareola</i>	Wood Sandpiper	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Tringa nebularia</i>	Common Greenshank	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Tringa stagnatilis</i>	Marsh Sandpiper	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Tringa totanus</i>	Common Redshank	Not Sensitive	Not Listed	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	<i>Tyto longimembris</i>	Eastern Grass Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	<i>Tyto novaehollandiae</i>	Masked Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	<i>Tyto tenebricosa</i>	Sooty Owl	Category 3	Vulnerable	Not Listed	
Animalia	Aves	<i>Xenus cinereus</i>	Terek Sandpiper	Not Sensitive	Vulnerable	Vulnerable	ROKAMBA;CAMBA;JAMBA
Animalia	Mammalia	<i>Arctocephalus forsteri</i>	New Zealand Fur-seal	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Arctocephalus pusillus doriferus</i>	Australian Fur-seal	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Cercartetus nanus</i>	Eastern Pygmy-possum	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Chalinolobus nigrogriseus</i>	Hoary Wattled Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Dasyurus maculatus</i>	Spotted-tailed Quoll	Not Sensitive	Vulnerable	Endangered	
Animalia	Mammalia	<i>Eubalaena australis</i>	Southern Right Whale	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Miniopterus australis</i>	Little Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Myotis macropus</i>	Southern Myotis	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	<i>Petaurus norfolcensis</i>	Squirrel Glider	Not Sensitive	Vulnerable	Not Listed	

Kingdom	Class	Scientific	Common	Sensitivity Class	State Conservation Status	Federal Conservation Status	Migratory Species Agreements
Animalia	Mammalia	Phascogale tapoatafa	Brush-tailed Phascogale	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Phascogale cinereus	Koala	Not Sensitive	Endangered	Endangered	
Animalia	Mammalia	Physeter macrocephalus	Sperm Whale	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Planigale maculata	Common Planigale	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Potorous tridactylus	Long-nosed Potoroo	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheath-tail-bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Syconycteris australis	Common Blossom-bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Mammalia	Vespadelus troungtoni	Eastern Cave Bat	Not Sensitive	Vulnerable	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Not Sensitive	Endangered	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Not Sensitive	Vulnerable	Vulnerable	
Animalia	Reptilia	Dermochelys coriacea	Leatherback Turtle	Not Sensitive	Endangered	Endangered	
Animalia	Reptilia	Eretmochelys imbricata	Hawksbill Turtle	Not Sensitive	Not Listed	Vulnerable	
Plantae	Flora	Acronychia littoralis	Scented Acronychia	Not Sensitive	Endangered	Endangered	
Plantae	Flora	Allocasuarina thalassoscopia		Not Sensitive	Not Listed	Endangered	
Plantae	Flora	Caesalpinia bonduc	Knicker Nut	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Chamaesyce psammogeton	Sand Spurge	Not Sensitive	Endangered	Not Listed	
Plantae	Flora	Cynanchum elegans	White-flowered Wax Plant	Not Sensitive	Endangered	Endangered	
Plantae	Flora	Lindsaea incisa	Slender Screw Fern	Category 3	Endangered	Not Listed	
Plantae	Flora	Maundia triglochinoides		Not Sensitive	Vulnerable	Not Listed	
Plantae	Flora	Peristeranthus hillii	Brown Fairy-chain Orchid	Category 2	Vulnerable	Not Listed	
Plantae	Flora	Phaius australis	Southern Swamp Orchid	Category 2	Endangered	Endangered	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Rhodomyrtus psidioides	Native Guava	Not Sensitive	Critically Endangered	Critically Endangered	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Not Sensitive	Endangered	Vulnerable	

Source: NSW BioNet Species Sightings

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Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
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# Annex E



## Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP1

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505222.23	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580590.78	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664, 157 Arakoon Road, South West Rocks
Total Depth	: 1.9 m BGL	Date	: 05/12/2024	Loc Comment	: Road Entry

General comments: Handy GPS 503221 6580613

Drilling Method	Water	DCP	Testing	Samples			Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed	Undisturbed	Bulk								
		2					0.1		SM	Silty SAND, fine to medium grained, grey to dark grey, with rootlets			Topsoil	
		2								SAND, fine to medium grained, grey.				
		3												
		3									M		Aeolian	
		3					0.5			SAND, fine to medium grained, siliceous				
		2												
		3												
		4												
		5												
		5					1				W		Marine	
		7												
		5												
		5												
		7												
		5												
		6					1.6			SAND, fine to medium grained, dark grey, non - cemented			MARINE - INDURATED	
		10									W			
		11												
		30												
							2			TP1 Terminated at 1.9m (hole collapse )				





# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP2

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505251.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580762.00	Logged By	: Drouin Pike	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2.5 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505251 6580762

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed									General
						0.1			SAND, fine to medium grained, grey.			Topsoil	
								CI	Sandy CLAY, medium plasticity, grey to dark grey, fine to medium grained sand, humic .	w ≈ PL		Alluvium - Holocene	
			300			0.4		CI-CH	Sandy CLAY, medium to high plasticity, dark grey mottled orange, fine to medium grained sand.	w ≈ PL	VSt	Alluvium - Holocene	
			280			0.7			Silty CLAY, high plasticity, grey mottled orange trace red mottling, with fine to medium jarosite sand .				
			350										
			300			1							
			220										
			280					CH		w ≈ PL	VSt	Alluvium - Pleistocene	
			240										
			220			2							1.8 m: very slight water inflow
			240										
									TP2 Terminated at 2.5m				





# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP4

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505265.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580944.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2.4 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505265 6580944

Drilling Method	Water	DCP	Testing		Samples		Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed	Undisturbed	Bulk								
							0.1			SAND, fine to medium grained, grey.			Topsoil	
							0.45		CI	Sandy CLAY, medium plasticity, grey to dark grey, fine to medium grained sand, humic .	w ≈ PL		Alluvium - Holocene	
			280							Sandy CLAY, medium plasticity, pale grey and grey mottled orange and red, fine to medium grained sand.				
			280											
			320						CI		w ≈ PL	VSt	Alluvium - Holocene	
			300				1							
							1.2			Silty CLAY, high plasticity, pale grey to grey mottled orange trace mottled red, with fine to medium grained sand.				
			380											
			400											
			420											
			410											
			380											
			390						CH		w ≈ PL-w < PL	VSt-H	Pleistocene - Estuarine	
			380				2							
			420											
			420											
										TP4 Terminated at 2.4m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP5

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505116.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580978.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664, 157 Arakoon Road, South West Rocks
Total Depth	: 2.8 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505116 6580978

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed Undisturbed									
									SAND, fine to medium grained, grey.			Topsoil	
						0.2							
			110					CI-CH	Silty to sandy CLAY, medium to high plasticity, pale grey mottled orange, fine to medium grained sand, with moist fines .	w ≈ PL	F	Alluvium - Holocene	
			50										
			60			0.45		CI	Sandy CLAY, medium plasticity, pale grey and grey mottled orange and red, fine to medium grained sand.	w ≈ PL	VSt	Alluvium - Holocene	
			100										
			120			0.6			Silty to sandy CLAY, medium to high plasticity, pale grey mottled orange, fine to medium grained sand, with moist fines .				
								CI-CH		w ≈ PL	St	Alluvium - Holocene	
			160			1							
			320			1.2		CH	Silty CLAY, high plasticity, pale grey mottled orange, with fine to medium grained sand.	w ≈ PL-w < PL	VSt-H	Pleistocene - Estuarine	
						1.3			Silty CLAY, high plasticity, pale grey mottled orange, with fine to medium grained sand, becoming grey blue with depth .				
								CH		w ≈ PL-w < PL	VSt-H	Pleistocene - Estuarine	
			280			1.6			As above, but trace mottled yellow and orange jarosite .				
			280										
			300										
						2		CH		w ≈ PL-w < PL	VSt-H	Pleistocene - Estuarine	
									TP5 Terminated at 2.8m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP6

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 522422.79	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580950.62	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664, 157 Arakoon Road, South West Rocks
Total Depth	: 2.8 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505065 6580973

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed Undisturbed									
								ML	Sandy SILT, low plasticity, dark grey, fine to medium grained sand, with rootlets.			Topsoil	
						0.2			Clayey to sandy SAND, fine to medium grained sand, pale grey.				
						0.55				M-w ≈ PL		Alluvium - Holocene	
			100					CI-CH	Sandy CLAY, medium to high plasticity, pale grey mottled brown, fine to medium grained sand.	w > PL	St	Pleistocene - Estuarine	
			120										
			150										
			140			0.9			Silty CLAY, high plasticity, pale grey to pale brown, with fine to medium grained sand, sulfuric odor.				
						1		CH		w ≈ PL-w < PL	St	Pleistocene - Estuarine	
			120										
			220			1.4		CH		w ≈ PL-w < PL	VSt	Pleistocene - Estuarine	
						1.55			As above, but Clayey to silty SAND, fine to coarse grained, pale grey.				
			200					SC				Pleistocene - Estuarine	
						2							
									TP6 Terminated at 2.8m				





# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP7

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505039.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6581013.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2.6 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505039 6581013

Drilling Method	Water	DCP	Testing		Samples		Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed	Undisturbed	Bulk								
							0.25		ML	Sandy SILT, low plasticity, dark grey, fine to medium grained sand, with rootlets and humic .	w < PL		Topsoil	
			80						CI-CH	Clayey to sandy CLAY, medium to high plasticity, grey mottled orange, fine to medium grained sand.	w > PL	F	Alluvium - Holocene	
			80				0.55							
			100						CH	Sandy CLAY, high plasticity, pale grey to blue, fine to medium grained sand, sulfuric odor, increasing sand content with depth.	w > PL	St	Pleistocene - Estuarine	
			120				1							
							1.3			As above, but strong sulfuric odor .				
							2		CH		w > PL	St	Pleistocene - Estuarine	
										TP7 Terminated at 2.6m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP8

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505063.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580901.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2.5 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505063 6580901

Drilling Method	Water	DCP	Testing			Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed	Undisturbed								
								ML	Sandy SILT, low plasticity, dark brown to black, fine to medium grained sand, with rootlets and humic .	w < PL		Topsoil	
			120			0.29		CI	Clayey to sandy CLAY, medium plasticity, grey / brown, fine to medium grained sand.	w > PL	St	Alluvium - Holocene	
			140			0.9		CH	Silty CLAY, high plasticity, pale grey mottled orange, with fine to medium grained sand.	w > PL	St	Pleistocene - Estuarine	
			180										
			140										
			240			1.4		CH		w > PL	VSt	Pleistocene - Estuarine	
			220			1.6			As above, but sulfuric odor .				
								CH		w > PL	VSt	Pleistocene - Estuarine	
									TP8 Terminated at 2.5m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP9

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505118.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580812.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2.1 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505118 6580812

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed Undisturbed									
								ML	Sandy SILT, low plasticity, dark brown to black, fine to medium grained sand, with rootlets and humic .	w < PL		Topsoil	
						0.25							
			220										
			205					CI	Silty to clayey CLAY, medium plasticity, pale grey, with fine to medium grained sand.	w > PL	VSt	Alluvium - Holocene	
						0.9							
			300			1			Silty CLAY, high plasticity, pale grey.				
			320										
			280										
								CH		w > PL	VSt	Pleistocene - Estuarine	
			300										
						2							
									TP9 Terminated at 2.1m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP10

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 505076.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580743.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 1.8 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 505076 6580743

Drilling Method	Water	DCP	Testing	Samples		Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks		
			Pocket Penetrometer	Disturbed	Undisturbed									Bulk	
						0.35		CL	Silty CLAY, low plasticity, dark brown to brown.	w ≈ PL		Topsoil			
			300												
			280			0.8	CI	Sandy to clayey CLAY, medium plasticity, pale grey, fine to medium grained sand, sulfuric odor.	w > PL	VSt	Alluvium - Holocene				
			260												
			320			1	CH	Silty CLAY, high plasticity, pale grey.	w > PL	VSt	Pleistocene - Estuarine				
			300												
						1.2	CI	As above, but Sandy medium plasticity, pale grey, fine to coarse grained sand, sulfuric odor.	w ≈ PL	VSt	Pleistocene - Estuarine				
									2		TP10 Terminated at 1.8m				



## Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP11

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504973.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580686.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2.5 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: handy GPS 504973 6580686

Drilling Method	Water	DCP	Testing			Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed	Undisturbed								General
						0.15		SM	Silty SAND, fine to medium grained, dark grey, with rootlets	w ≈ PL		Topsoil	
									Sandy SAND, fine to medium grained, grey to dark grey.	w > PL		Aeolian	0.6 m: tree roots
						0.8			SAND, fine to medium grained, pale grey, silicious				
						1							
						2				w > PL		Aeolian	
									TP11 Terminated at 2.5m				





# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP12

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504896.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580671.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 1.8 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: Handy GPS 504896 6580671

Drilling Method	Water	DCP	Testing		Samples		Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed	Undisturbed	Bulk								
							0.1		CI	Sandy CLAY, medium plasticity, pale brown and brown, fine to medium grained sand, with rootlets .			Topsoil	
			300							Sandy CLAY, medium plasticity, pale brown / orange mottled orange, grey and red, fine to medium grained sand.				
			280											
									CI		w ≈ PL	VSt	Residual	
			280											
							0.9							
			380				1		CH	Silty CLAY, high plasticity, grey mottled red and orange, with fine to medium grained sand.	w ≈ PL	VSt	Residual	
			360											
			420				1.3			Sandy CLAY, medium plasticity, pale grey mottled orange and red, fine to coarse grained sand, trace rock fabric .				
									CI		w < PL-w ≈ PL	VSt-H	Extremely Weathered Material	
			380											
										TP12 Terminated at 1.8m				
							2							



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP13

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504797.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580591.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 1.8 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: Handy GPS 504797 6580591

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed Undisturbed									
						0.1			Sandy CLAY, pale brown to brown, fine to medium grained sand, with rootlets.			Topsoil	
			200					CI	Sandy CLAY, medium plasticity, pale brown to brown, fine to coarse grained sand.		VSt	Residual	
			220										
			280			0.95			Silty CLAY, medium to high plasticity, red mottled grey, with fine to medium grained sand.				
			260			1		CI-CH		w ≈ PL	VSt	Residual	
									TP13 Terminated at 1.8m				
						2							



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP14

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504816.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580685.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: Handy GPS 504816 6580685

Drilling Method	Water	DCP	Testing			Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed	Undisturbed								
						0.1			Sandy CLAY, pale brown to brown, fine to medium grained sand, with rootlets.			Topsoil	
			220						Sandy CLAY, medium plasticity, pale brown to brown, fine to coarse grained sand.				
			240					CI		w ≈ PL	VSt	Residual	
			320			1							
						1.4			Sandy CLAY, medium plasticity, pale brown / brown mottled red, fine to medium grained sand.				
			280					CI		w ≈ PL	VSt	Residual	
			220										
			260										
									TP14 Terminated at 2m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP15

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504885.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580711.00	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 1.8 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: GPS 504885 6580711

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed									
									Sandy CLAY, brown, fine to medium grained sand.	w < PL		Topsoil	
			220			0.3		CI	Sandy CLAY, medium plasticity, pale brown to brown mottled red, medium grained sand.	w ≈ PL	VSt	Residual	
			240			0.9		CI-CH	CLAY, medium to high plasticity, pale grey mottled orange and red.	w ≈ PL	VSt	Extremely Weathered Material	
			300			1							
			320										
									TP15 Terminated at 1.8m				
						2							



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP16

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504831.86	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580883.17	Logged By	: DS	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: GPS 508451 6580885

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed									
						0.1		CI	Sandy CLAY, medium plasticity, pale brown to brown, with rootlets .			Topsoil	
			110					CI	Sandy CLAY, medium plasticity, pale brown to brown, fine to medium grained sand.				
								CI		w ≈ PL	St	Residual	
			80			1							
			80										
						1.45		CI-CH	Silty CLAY, medium to high plasticity, pale grey mottled red, with fine to medium grained sand, trace iron oxide cementing .	w ≈ PL	VSt	Extremely Weathered Material	
			400			1.7		CI-CH	As above, but with fine to coarse grained sand, trace iron oxide cementing .	w ≈ PL	H	Extremely Weathered Material	
			420										
			400										
			410										
									TP16 Terminated at 2m				





# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP17

UTM : 56J      Excavator : 2T Excavator      Job Number : G0840  
Easting (m) : 504936.00      Excavator Supplier :      Client : King & Campbell  
Northing (m) : 6580885.00      Logged By : DP      Project : Acid Sulfate Assessment  
Ground Elevation : Not Surveyed      Reviewed By :      Location : Lot 9 DP1219664,157 Arakoon Road, South West Rocks  
Total Depth : 2 m BGL      Date : 05/12/2024      Loc Comment :

Drilling Method	Water	DCP	Testing	Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed								
				Undisturbed								
				Bulk								
					0.1		CI	Silty CLAY, medium plasticity, brown, with rootlets .			Topsoil	
							CI	Sandy CLAY, medium plasticity, brown / grey, fine to medium grained sand.	w ≈ PL	VSt	Residual	
					0.4							
			230				CI		w ≈ PL	VSt	Residual	
					0.9							
			200		1		CI-CH	Sandy CLAY, medium to high plasticity, grey mottled red, fine to coarse grained sand.	w ≈ PL	VSt	Extremely Weathered Material	
			250									
			230		1.5							
							CI-CH	As above, but grey mottled red, with fine sized gravel, gravels as fragments of hw rock .	w ≈ PL	VSt	Extremely Weathered Material	
			310									
			250									
								TP17 Terminated at 2m				



## Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP18

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504901.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580978.00	Logged By	: DP	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: GPS 504901 6580978

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed Undisturbed									
						0.1		CI	Sandy CLAY, medium plasticity, brown, with rootlets .	w ≈ PL		Topsoil	
			250					CI-CH	Sandy CLAY, medium to high plasticity, brown / grey mottled orange and dark grey, fine to medium grained sand.	w ≈ PL	VSt	Residual	
			240			0.8			Sandy CLAY, high plasticity, dark grey to grey mottled red, orange and dark grey, fine to coarse grained sand, with fine to medium sized gravel, gravels as hw fragments of rock, distinct rock fabric.				
			240			1		CH			VSt	Extremely Weathered Material	
			360										
									TP18 Terminated at 2m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP19

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504840.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6581048.00	Logged By	: DP	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: GPS 504840 6581048

Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed									
						0.1		CI	Sandy CLAY, medium plasticity, brown, with rootlets .			Topsoil	
									Sandy CLAY, medium plasticity, brown / pale grey, fine to coarse grained sand.				
			110					CI		w ≈ PL	F-St	Alluvium - Holocene	
			150										
						1			Sandy CLAY, medium to high plasticity, pale grey mottled dark grey, fine to coarse grained sand.				
								CI-CH		w ≈ PL	St	Residual	
			130										
						1.4			Sandy CLAY, medium plasticity, dark grey to grey and red, distinct rock fabric .				
								CI		w ≈ PL	St	Extremely Weathered Material	
			190										
									TP19 Terminated at 2m				



# Hunter Geotechnical Services

2/40 Glenwood Drive, Thornton NSW 2322

Phone: (02) 4966 1844

## Geotechnical Log - Testpit

TP20

UTM	: 56J	Excavator	: 2T Excavator	Job Number	: G0840
Easting (m)	: 504845.00	Excavator Supplier	:	Client	: King & Campbell
Northing (m)	: 6580964.00	Logged By	: DP	Project	: Acid Sulfate Assessment
Ground Elevation	: Not Surveyed	Reviewed By	:	Location	: Lot 9 DP1219664,157 Arakoon Road, South West Rocks
Total Depth	: 2 m BGL	Date	: 05/12/2024	Loc Comment	:

General comments: GPS 504845 6580964


Drilling Method	Water	DCP	Testing		Samples	Depth (m)	Graphic Log	Classification Code	Material Description	Moisture	Consistency	Soil Origin	Remarks
			Pocket Penetrometer	Disturbed Undisturbed									
						0.1		CH	Sandy CLAY, high plasticity, brown.	w ≈ PL-w > PL		Topsoil	
						0.3		CI	Sandy CLAY, medium plasticity, brown to pale grey mottled grey, fine to coarse grained sand, high sand content .	w > PL	F	Alluvium - Holocene	
			50					CH	Sandy CLAY, high plasticity, brown / grey / red mottled dark grey, fine to coarse grained sand.	w ≈ PL-w > PL	F	Alluvium - Holocene	
			50			1		CH					
			320			1.1		CI-CH	Sandy CLAY, medium to high plasticity, pale grey mottled dark grey, fine to coarse grained sand, indistinct rock fabric .	w ≈ PL	St	Residual	
			370			1.5		CI	Sandy CLAY, medium plasticity, pale grey mottled dark grey and grey, fine to coarse grained sand, distinct rock fabric .	w ≈ PL	VSt	Extremely Weathered Material	
									TP20 Terminated at 2m				



# Annex F




Soil Screening Criteria

<div></div>	Metals								TRH NEPM (2013)							BTEX				PAH					
	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Mercury	TRH C6-C10 Fraction	TRH C6-C10 minus BTEX (F1)	TRH >C10-C16 Fraction	TRH >C10-C16 - Naphthalene (F2)	TRH >C16-C34 (F3)	TRH >C34-C40 (F4)	Napthalene	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	Benzo(a)pyrene	Carcinogenic PAHs, BaP TEQ <LOR=0	Carcinogenic PAHs, BaP TEQ <LOR=LOR	Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	Total PAH
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Limit of Reporting	1	0.3	0.5	0.5	1	0.5	2	0.05	25	25	25	25	90	120	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.2	0.3	0.2	0.8
HIL A (NEPM 2013)	100	20	100	6000	300	400	7400	40														3	3	3	300
HSL A - Soil Vapour Sand 0 - <1m (NEPM 2013)										45		110			3	0.5	160	55	40						
HSL A - Soil Vapour Silt 0 - <1m (NEPM 2013)										40		230			4	0.6	390	NL	95						
HSL A - Soil Vapour Clay 0 - <1m (NEPM 2013)										50		280			5	0.7	480	NL	110						
HSL A for Asbestos in Soil (NEPM 2013)																									
HSL A - Direct Contact (CRC Care 2011)									4,400		3,300		4,500	6,300	1,400	100	14,000	4,500	12,000	1400					
Intrusive Maintenance Worker - Direct Contact (CRC Care 2011)									82,000		62,000		85,000	120,000	29,000	1,100	120,000	85,000	130,000	29,000					
EILs (NEPM 2013)	100				1100										170					170					
ESLs - Fine (NEPM 2013)										180		120	1300	5600		65	105	125	105		1.4				
ESLs - Coarse (NEPM 2013)										180		120	300	2800		50	85	70	45		1.4				
Management Limits - Fine Soil (NEPM 2013)									800		1,000		3,500	10,000											
Management Limits - Coarse Soil (NEPM 2013)									700		1,000		2,500	10,000											

Sample ID	Sampled Date																										
TP2 0.0-0.1	5/12/2024	2	<0.3	2.2	0.9	9	0.6	3.7	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP4 0.0-0.1	5/12/2024	<1	<0.3	2.6	<0.5	2	<0.5	<2	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP6 0.0-0.1	5/12/2024	<1	<0.3	2.2	<0.5	2	<0.5	<2	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP8 0.0-0.1	5/12/2024	<1	<0.3	3.5	<0.5	2	<0.5	<2	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP9 0.0-0.1	5/12/2024	4	<0.3	3.1	<0.5	5	<0.5	2.6	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP10 0.0-0.1	5/12/2024	<1	<0.3	2.7	<0.5	3	0.5	<2	<0.05	<25	<25	<25	<25	150	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP11 0.0-0.1	5/12/2024	<1	<0.3	<0.5	<0.5	<1	<0.5	<2	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP12 0.0-0.1	5/12/2024	4	<0.3	18	<0.5	6	<0.5	2.2	<0.05	<25	<25	<25	<25	200	140	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP13 0.0-0.1	5/12/2024	3	<0.3	24	<0.5	7	<0.5	3.8	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP14 0.0-0.1	5/12/2024	1	<0.3	6.3	<0.5	4	<0.5	<2	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP17 0.0-0.1	5/12/2024	<1	<0.3	9.2	<0.5	4	<0.5	<2	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	
TP19 0.0-0.1	5/12/2024	2	<0.3	16	7	8	1.3	2.4	<0.05	<25	<25	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.2	<0.3	<0.2	<0.8	

Statistical Summary																									
Number of Results	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Number of Detects	6	0	11	2	11	3	5	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	
Minimum Detect	1	0	2.2	0.9	2	0.5	2.2	0	0	0	0	0	150	140	0	0	0	0	0	0	0	0	0	0	
Maximum Detect	4	0	24	7	9	1.3	3.8	0	0	0	0	0	200	140	0	0	0	0	0	0	0	0	0	0	
Average Concentration	2.67	-	8.16	3.95	4.73	0.8	2.94	-	-	-	-	-	175	140	-	-	-	-	-	-	-	-	-	-	
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

<div></div>	OCP													OPP	PCB
	Aldrin	o,p'-DDE	o,p'-DDD	o,p'-DDT	Gamma Chlordane	Alpha Chlordane	Dieldrin	Alpha Endosulfan	Beta Endosulfan	Endrin	Heptachlor	Hexachlorobenzene (HCB)	Methoxychlor	Chlorpyrifos (Chlorpyrifos Ethyl)	Total PCBs (Aroclors)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Limit of Reporting	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	1
HIL A (NEPM 2013)	6	240	240	240	50	50	6	270	270	10	6	10	300	160	1
HSL A - Direct Contact (CRC Care 2011)															
Intrusive Maintenance Worker - Direct Contact (CRC Care 2011)															
EILs (NEPM 2013)				180											
ESLs - Coarse/Fine (NEPM 2013)															


Sample ID	Sampled Date															
TP9 0.0-0.1	5/12/2024	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1
TP17 0.0-0.1	5/12/2024	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1

Statistical Summary																
Number of Results	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Detect	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Detect	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average Concentration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:

- <sup>(1)</sup> The NEPM presents a cumulative HIL for DDD, DDE and DDT (240 mg/kg). Concentrations for each of these compounds are presented separately above and conservatively assessed against the HIL.
- <sup>(2)</sup> The NEPM presents a cumulative HIL for Aldrin and Dieldrin (6 mg/kg). Concentrations for each of these compounds are presented separately above and conservatively assessed against the HIL.
- <sup>(3)</sup> The NEPM presents onee HIL for Endosulfan (270 mg/kg). Concentrations for Alpha Endosulfan and Beta Endosulfan are presented separately above and conservatively assessed against the HIL.

Soil Screening Criteria

	LOR	Unit	Primary Sample	QA Sample	RPD
			TP2 0.0-0.1	Duplicate	
TRH					
TRH C6-C10 Fraction	25	mg/kg	<25	<25	0.0
TRH C6-C10 less BTEX	25	mg/kg	<25	<25	0.0
TRH >C10-C16 Fraction	25	mg/kg	<25	<25	0.0
TRH >C10-C16 Fraction less N	25	mg/kg	<25	<25	0.0
TRH >C16-C34 Fraction	90	mg/kg	<90	<90	0.0
TRH >C34-C40 Fraction	120	mg/kg	<120	<120	0.0
Naphthalene	0.1	mg/kg	<0.1	<0.1	0.0
BTEX					
Benzene	0.1	mg/kg	<0.1	<0.1	0.0
Ethylbenzene	0.1	mg/kg	<0.1	<0.1	0.0
m&p-Xylenes	0.2	mg/kg	<0.1	<0.1	0.0
o-Xylene	0.1	mg/kg	<0.2	<0.2	0.0
Toluene	0.1	mg/kg	<0.1	<0.1	0.0
Xylenes - Total	0.3	mg/kg	<0.3	<0.3	0.0
Metals					
Arsenic	1	mg/kg	2	<1	0.0
Cadmium	0.3	mg/kg	<0.3	<0.3	0.0
Chromium	0.5	mg/kg	2.2	2.7	-20.4
Copper	0.5	mg/kg	0.9	<0.5	0.0
Lead	1	mg/kg	9	3	100.0
Nickel	0.5	mg/kg	0.6	0.6	0.0
Zinc	2	mg/kg	3.7	14	-116.4
Mercury	0.05	mg/kg	<0.05	<0.05	0.0
PAH					
Naphthalene	0.1	mg/kg	<0.1	<0.1	0.0
2-methylnaphthalene	0.1	mg/kg	<0.1	<0.1	0.0
1-methylnaphthalene	0.1	mg/kg	<0.1	<0.1	0.0
Acenaphthylene	0.1	mg/kg	<0.1	<0.1	0.0
Acenaphthene	0.1	mg/kg	<0.1	<0.1	0.0
Fluorene	0.1	mg/kg	<0.1	<0.1	0.0
Phenanthrene	0.1	mg/kg	<0.1	<0.1	0.0
Anthracene	0.1	mg/kg	<0.1	<0.1	0.0
Fluoranthene	0.1	mg/kg	<0.1	<0.1	0.0
Pyrene	0.1	mg/kg	<0.1	<0.1	0.0
Benzo(a)anthracene	0.1	mg/kg	<0.1	<0.1	0.0
Chrysene	0.1	mg/kg	<0.1	<0.1	0.0
Benzo(b&j)fluoranthene	0.1	mg/kg	<0.1	<0.1	0.0
Benzo(k)fluoranthene	0.1	mg/kg	<0.1	<0.1	0.0
Benzo(a)pyrene	0.1	mg/kg	<0.1	<0.1	0.0
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	<0.1	<0.1	0.0
Dibenzo(ah)anthracene	0.1	mg/kg	<0.1	<0.1	0.0
Benzo(ghi)perylene	0.1	mg/kg	<0.1	<0.1	0.0
Carcinogenic PAHs, BaP TEQ <LOR=0	0.2	mg/kg	<0.2	<0.2	0.0
Carcinogenic PAHs, BaP TEQ <LOR=LOR	0.3	mg/kg	<0.3	<0.3	0.0
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	0.2	mg/kg	<0.2	<0.2	0.0
Total PAH (18)	0.8	mg/kg	<0.8	<0.8	0.0

Notes  
RPD = Relative Percentage Difference.



# Annex G



**Photograph 1** – Entrance road to site, facing north

**Date** – 05/12/2024



**Photograph 2** – Photograph of the Site, facing north

**Date** – 05/12/2024





**Photograph 3** – Photograph of the Site, facing west

**Date** – 05/12/2024



**Photograph 4** – Photograph of the Site, facing south

**Date** – 05/12/2024





**Photograph 5** – Swale swamp, facing north

**Date** – 05/12/2024



**Photograph 6** – Low-lying depression of swale swamp, facing south

**Date** – 05/12/2024





**Photograph 7** – Standing water adjacent to swamp, facing east

**Date** – 05/12/2024



**Photograph 8** – Miscellaneous materials and debris.

**Date** – 05/12/2024



# Annex H