



NSW Department of Education
Frenchs Forest Precinct - 187 Allambie Road,
Allambie Heights

Preliminary Site Investigation

September 2020

Executive summary

GHD Pty Limited (GHD) has been commissioned by New South Wales Department of Education (NSW DoE) to undertake a Preliminary Site Investigation (PSI) for part of Lot 11 in Deposited Plan (DP) 1194177, and Lots 12 and 13 in DP 1112906 of the property located at 187 Allambie Road, Allambie Heights, NSW 2100 (the site) as per GHD's proposal dated 16 July 2020. Findings from this PSI are provided in the table below:

Current Use

The site is currently disused and is occupied by the derelict building "Venee Burges House". The site was formerly a state owned health services facility.

The majority of the site was unsealed and included 35% paved car parks (mid portion and south eastern portion), 40% grassed areas (western portion) and 25% buildings and associated sheds (eastern portion).

Surrounding land uses are occupied by commercial/industrial, residential and services (school and Cerebral Palsy Alliance) properties.

The site is located circa 5 km north east of the Sydney Central Business District (CBD). It is understood the New South Wales Department of Education (NSW DoE) intends to redevelop the site for the construction of a high school.

Contaminated Land Records of Notice

According to the NSW EPA, the site does not have any notices under the *Contaminated Land Management (CLM) Act 1997*.

No sites with a record of notice were identified within 500 m of the site.

List of Contaminated Sites notified to the NSW EPA

The closest recorded site on the List of Contaminated Sites notified to the NSW EPA is located 550 m north east, identified as Former 7-Eleven Service Station, Beacon Hill. Located on 312 Warringah Road, Beacon Hill, with regulation under the CLM Act not required.

Licensed activities under the POEO Act 1997

One site was recorded as undertaking licensed activities under the POEO Act 1997, located 201 m north west. Identified as Ferrovia Agroman (Australia Pty Ltd), named Northern Beaches Hospital Stage 1 and Stage 2, with the activity of road construction, land-based extractive activity.

Landfill / recycling facilities

There is one site recorded 142 m north east of the site identified as Siltech Pty Ltd, located on 6/15 Rodborough Road, Frenchs Forest.

The company provides environmental services and waste treatment of precious metal bearing wastes.

Acid Sulfate Soils

According to the Atlas of Australian Acid Sulfate Soils (Appendix C), the site is located within an 'Extremely Low Probability' Acid Sulfate Soil area (1-5% probability of occurrence).

Naturally Occurring Asbestos

According to the NSW Department of Industry, Resources & Energy, there are no records of naturally occurring asbestos potential on the site.

History of the Site and Surrounds

Review of historical aerial photographs indicated the site was primarily vacant forestland since at least 1943. Ground extractive activities were observed since 1943 on the north western boundary and since 1951 on the southern boundary of the site until 1978 when extractive locations appeared to have been backfilled. Construction works and new structure buildings with associated carparks presumed part of the Spastic Centre were observed since 1956 and underwent various alterations / demolition and landscaping works through the years.

Surrounding land has been primarily commercial, industrial and residential.

Conclusions

Based on the desktop contamination review, a number of potential contamination sources were identified on-site. These include:

- Fill of unknown origin identified on-site.
- Hazardous materials on site structures.
- Storage and use of chemicals.
- Potential spillages from oils, fuels solvents.
- Run off from commercial and industrial properties.

Migration of ground gases from on site and off site sources. Based on findings presented in this PSI assessment, GHD concludes that potentially complete linkages may exist between on-site contamination and future receptors. Given the high sensitivity of the proposed future use of the site (high school), these potential linkages require further assessment to assess the risk posed by potential contamination to identified receptors.

Recommendations

Based on findings from this PSI, the following recommendations are provided to outline the additional assessment required in order to render the site suitable for the proposed use of the site as a High School:

- Undertake a Detailed Site Investigation to assess the potential impact from identified potential contaminants of concern.
- Prior to site demolition, carry out a Hazardous Materials Survey on existing site structures to identify potentially hazardous building products that may be released to the environment during demolition.

This report is subject to, and must be read in conjunction with, the limitations set out in Section 1.5 and the assumptions and qualifications contained throughout the Report.

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1. Introduction

1.1 Background

GHD Pty Limited (GHD) has been commissioned by New South Wales Department of Education (NSW DoE) to undertake a Preliminary Site Investigation (PSI) for part of Lot 11 in Deposited Plan (DP) 1194177 and Lot 12 and 13 in DP 1112906 of the property located at 187 Allambie Road, Allambie Heights, NSW 2100 (the site) as per GHD's proposal dated 16 July 2020. The site location and layout plan are presented on Figure 1 and 2 in Appendix A.

The site is currently disused and is occupied by the derelict building "Venee Burges House". The site was formerly a state owned health services facility.

It is understood the NSW DoE are assessing the site for the suitability to construct a high school consisting of four buildings of three to four storeys, a library, gymnasium, and hospitality and general arts learning centre. The development will also include the construction of a new slip road, two car parks, a sports field and learning courtyards. The proposed development plan is presented in Appendix B.

1.2 Site information

Table 1 provides a summary of the site information.

Table 1 Site information summary

Address	187 Allambie Road, Allambie Heights, NSW 2100.
Land title	Part of Lot 11 in Deposited Plan (DP) 1194177, and Lots 12 and 13 in DP 1112906.
Site ownership	Lot 11 DP 1194177 owned by the Cerebral Palsy Alliance. Lot 12 DP 1112906 owned by the State of New South Wales. Title Search was not available for Lot 13 DP 1112906 at the time of reporting.
Traditional owners of the land	Ku-ring-gai area – Darramurragal or Darug people. (Source: David R Horton, AIATSIS Map of Indigenous Australia, 1996).
Site use	The site is currently disused and is occupied by the derelict building "Venee Burges House".
Size m ²	46,000
Council	Northern Beaches Council
Land Zoning	SP1 Special Activities
Immediate Surrounds	<ul style="list-style-type: none">Allambie Road is located immediately to the north east and Aquatic Drive immediately to the north west followed by commercial properties such as Anytime Fitness, Packforce (assembly and packaging services) and Solarpro (Power systems and batteries), CS Cavity Sliders (manufacturer of cavity sliding door systems).The Cerebral Palsy Alliance: Disability Support & National Disability Insurance Scheme (NDIS) Service Providers building and associated carpark is located immediately south east followed by the Sunnyfield Disability Services building. Arranounbai School is located south west of the site.

	<ul style="list-style-type: none"> • Allambie Road followed by residential properties are located to the east. • Arranounbai School entry driveway is located immediately to the west, followed by vacant land and a few residential structures possible part of a retirement village to the north west. Allambie Heights Bed and Breakfast followed by the Aquatic Reserve Baseball ground and aquatic centre is observed to the south west.
Broad description of location	Surrounding land is primarily occupied by commercial, residential, recreational properties and vacant land. The site is located circa 5 km north east of the Sydney Central Business District (CBD).

1.3 Objectives

The primary objectives of this investigation are to:

- Obtain information to assess if past or present land uses at the site have the potential to cause contamination that may pose a risk to human health or the environment.
- Identify data gaps that would need to be addressed by further investigations.

1.4 Scope

In order to meet the objectives stated in Section 1.3 the following scope of work was undertaken:

- Review of historical aerial photographs.
- Published hydrogeological, geological, soil landscape, topographical and salinity potential maps.
- The NSW Environmental protection Authority (EPA) registers of contaminated sites, notified sites and environmental protection licenses.
- Review of publically available information from Lotsearch EnviroPro report.
- Completion of a site inspection.
- Preparation of a preliminary conceptual site model.
- Preparation of a PSI report including conclusions and recommendations with respect to the findings of the work undertaken.

It should be noted that this PSI report has been prepared in general accordance with NSW EPA's Consultants reporting on contaminated land – contaminated land guidelines (NSW EPA, 2020).

1.5 Assumptions and limitations

Following submission of our proposal on 16 July 2020, GHD was informed via email correspondence dated 27 July 2020, that an additional area was to be included. This area comprises the car park of the adjacent Cerebral Palsy Alliance. The site boundary assessed within this report are as those identified on Figures 1 and 2 (Appendix A). We note that the boundary outlined on the figures presented in the Lotsearch Report excludes the car park. However our review of the Lotsearch report has taken the variation on the boundary into consideration.

This report has been prepared by GHD for NSW DoE and may only be used and relied on by NSW DoE, for the purpose agreed between GHD and NSW DoE as set out in Section 1.3 of this report.

GHD otherwise disclaims responsibility to any person other than NSW DoE arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by NSW DoE and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report, which were caused by errors, or omissions in that information.

2. Site inspection

2.1 Overview

A review of current land uses was completed through a site inspection undertaken by GHD on 04 August 2020. This information was used to assist with the assessment of potential contamination sources associated with current activities, both on-site and in the surrounding area. A summary of the observations are provided in the following sections.

2.2 Key observations from the site inspection

The majority of the site is generally unsealed with 35% paved car parks (mid portion and south eastern portion), 40% grassed areas (western portion) and 25% buildings and associated sheds (eastern portion).

The eastern portion of the site is occupied by three rectangular two-storey abandoned brick buildings, interconnected to a central semicircular building (Venee Burges House). Buildings were observed to be in poor condition with flaking paint observed at different locations, broken windows, spray paint on wall surfaces, and appearing to have been subject to vandalism. Two aluminium sheds were located west of these buildings.

One car park occupies the eastern portion of the site off Allambie Road and a second car park occupies the mid portion of the site. A few vehicles were observed at the time of inspection and five shipping containers of unknown content observed to the south of this carpark. Carparks were covered by bitumen pavement observed to be in poor condition with cracking, holes and oil staining noted.

A further car park is located in the south east part of the site, which is owned and operated by the Cerebral Palsy Alliance. It appears to be fairly new and good condition with minor cracking and oil staining observed. It is noted this area appears to be located beyond the proposed development boundary and was fully utilised at the time of inspection.

The western portion of the site is primarily covered by grass with an access road and thick vegetation and trees. A high voltage power electrical tower is located in this area, to the north east of the site adjacent to Aquatic Drive.

The interior of site buildings and the thick vegetation strips on the western side of the site were not accessible at the time of inspection.

Key observations from the site inspection are presented below and site photographs are presented in Appendix D.

2.2.1 Fuel and chemical stores

Observations of fuel and chemical stores were as follow:

- No evidence of any current or former above or underground tanks (e.g. unexplained manhole covers, fill points etc.) was noted at the time of the inspection.
- A small storage room was observed within the western building, this room contained one steel drum (labelled 'Chem PL') and various empty containers such as floor polish stripper and cleaning soap. A small drain was observed on ground surface in this storage room (Photograph 9 and Photograph 10).
- A workshop was located on the eastern building, with one steel drum (labelled 'Mercedes Benz'), a Castrol branded oil container, a paint thinner container and various open paint

containers observed. A drain was observed on the entry of this workshop (Photograph 12 and Photograph 14).

2.2.2 Hazardous building materials

Observations of buildings including hazardous building materials were as follows:

- Asbestos eaves were observed within building structures on site (Photograph 3), asbestos eaves were observed to be in good condition. It is noted the interior of the buildings were not accessible at the time of inspection and the presence of asbestos in other building structures cannot be discounted.
- Potential lead paint in poor conditions was observed on site buildings, noted to be flaking at various locations (Photograph 11).
- Fluorescent light fittings possibly containing polychlorinated biphenyls (PCBs) were present in the workshop located on the eastern portion of the site (Photograph 12).
- Various hot water systems presumed to contain synthetic mineral fibre (SMF) insulation were observed on the exterior of the buildings, some noted to be in poor condition (Photograph 7).
- Air condition units presumed to contain SMF insulation were also observed at various locations.

It is noted that an inspection of the full interior of the buildings was not accessible at the time of inspection.

2.2.3 Fill

Observations of fill at the site were as follows:

- Site surface was observed to be undulating throughout; what appears to be a manmade mound was observed north of the carpark to the west of the buildings (Photograph 16).
- Indication of fill (which appeared to comprise clayey sand and gravel) was observed along the western boundary of the site adjacent to the Arranounbai School entry driveway, on the vegetation strip (Photograph 19 and Photograph 20).
- A fragment of a ceramic pipe was also observed to be partially buried adjacent to this driveway.
- Fill may have been imported onsite for levelling purposes for the construction of site building structures.

It is noted fill is expected to be present given that a great portion of the site is underlain by 'disturbed terrain' as described in *Soil Landscapes of The Sydney 1:100000 Sheet Report* (Chapman, Murphy, Tille, Atkinson, & Morse, 2009) and the historical presence of ground extractive activities as discussed further in Section 3.

2.2.4 Water and waste water

Observations of water and waste water were as follows:

- Surface water run-off drains directly into the storm water system along the southern side of the site.
- Stagnant water was observed on ground surface on the western portion of the site possibly due to the recent heavy rain events (Photograph 17).

- Running water with some green and yellow discolouration was also observed on ground surface on the western portion of the site adjacent to Arranounbai School entry driveway, presumed to be part of the recent heavy rainfall (Photograph 20).

2.2.5 Scrap materials

Observations of scrap material at the site included:

- Scrap materials were observed throughout the site including plastic, metals, timber, aluminium roofing tiles, glass, redundant hot water systems, and a fire extinguisher were observed on the southern side of the buildings (Photograph 4, Photograph 5, Photograph 6, Photograph 7).
- Dental medical instruments were noted on ground surface on the north eastern side of the buildings (Photograph 8).
- A vehicle spare part was observed on the western portion of the site.
- A fragment of a ceramic pipe was observed next to the Arranounbai School entry driveway (Photograph 19).

2.3 Potential for current contamination

During the site walkover undertaken on 04 August 2020, GHD identified a number of potential sources of contamination at the site including potential areas of fill observed at different locations such as on the western strip of vegetation adjacent to Arranounbai School, and the man-made mound observed north of the central car park. Imported fill is also assumed to be present on site for levelling for site structures.

Buildings were observed to be in poor condition, with lead paint flaking at various locations. Asbestos eaves were also observed in building structures. Fluorescent light fittings, hot water systems and air conditioning units were noted on building structures.

Scrap materials were observed throughout the site comprising plastic, timber, aluminium, and medical instruments.

One small storage room located on the western building and one workshop on the eastern building were observed to contain two drums (possibly for the storage of oil), paint containers, paint thinners and cleaning products.

Potential off-site sources of contamination have been identified to the north of the site occupied by commercial / industrial properties and are discussed further in Section 4.

3. Environmental setting

Information provided in this section has been obtained from the *LS013622EP: 187 Allambie Road, Allambie Heights, NSW 2100* (Lotsearch EnviroPro, 2020) (Lotsearch Report) as presented in (Appendix C) and publically available mapping as referenced in the text below.

3.1 Topography

Topographically, the site slopes slightly from circa 154 m above Australian height datum (m AHD), on the northern portion to circa 152 m AHD on the southern portion of the site.

3.2 Hydrology

The nearest surface watercourse to the site is Manly Creek located circa 740 m south west, draining into Manly Reservoir 1.4 km south. An unnamed tributary of Brookvale Creek is located 658 m south east. Brookvale Creek then drains into Manly Creek 3.2 km to the south east of the site.

3.3 Soil landscapes

The *Soil Landscapes of The Sydney 1:100000 Sheet Report* (Chapman, Murphy, Tille, Atkinson, & Morse, 2009) indicates the northern portion of the site is underlain by 'Disturbed Terrain' soil landscape and the southern portion 'Lambert' soil landscape.

The Disturbed Terrain soil landscape is characterised by level plain to hummocky terrain, extensively disturbed by human activity, including complete disturbance, removal or burial of soil. Landfill includes soil, rock, building and waste materials. Original vegetation completely cleared, replaced with turf or grassland.

The erosional Lambert soil landscape is characterised by undulating to rolling low hills. Local relief 20-120 m and slopes <20%. Dominant soil materials include loose, stony, yellowish-brown sandy loam, earthy, yellow-brown, light sandy clay loam, clayey sands and friable sandstone.

3.4 Acid sulfate soils

The *Atlas of Australian Sulfate Soils* (CSIRO, 2013) indicates the site is located within an 'Extremely Low Probability' Acid Sulfate Soil area (1 – 5% probability of occurrence).

3.5 Geology

According to the *Sydney 1:100 000 Geological Series Sheet 9130* (Herbert, 1983) the major portion of the site is underlain by shale and laminate (Rhs) and a very small portion to the south east by Hawkesbury Sandstone (Rh) comprising medium to coarse-grained quartz, sandstone, very minor shale and laminate lenses.

3.6 Hydrogeology

The *Groundwater in New South Wales, Assessment of Pollution Risk Map* (NSW Department of Water Resources, 1987) indicates that the site is likely to be underlain by sandstone and other sedimentary basins with a low to medium potential for groundwater movement and low levels of groundwater salinity (0-1000 mg/L).

GHD conducted a review of existing groundwater borehole records from Lotsearch EnviroPro (2020). The search was conducted to identify registered groundwater boreholes in close proximity to the site and to record information such as intended use and standing water level.

Three groundwater wells were located within 500 m of the site as summarised in Table 2. The groundwater wells are used for monitoring purposes and therefore not considered to be sensitive.

Table 2 Summary of groundwater wells within 500 m of the site

Well ID	Approximate distance from site	Direction from site	Depth (m)	Registered use
GW104974	420 m	north east	5	Monitoring
GW104975	440 m	north east	6	Monitoring
GW104973	445 m	north east	4.10	Monitoring
GW020067	520	north west	137.20	Waste disposal
GW020066	521	north west	106.70	Waste disposal
GW020065	573	north west	114.90	Waste disposal
GW020108	590	north east	134.10	Waste disposal
GW031758	706	north	58.5	Stock

One groundwater well (GW031758) located approximately 706 m north in an inferred up gradient location was installed for stock purposes to a final depth of 58.5 m.

In total twenty-three groundwater bores were identified within 1 km from the site. Further information relating to these boreholes is provided in Appendix C.

3.7 Naturally occurring asbestos

According to the NSW Department of Industry, Resources & Energy (Appendix C), there are no records of naturally occurring asbestos potential on the sites.

3.8 Publically available information

The following information presented in Table 3 was obtained from the Lotsearch report (Appendix C) and publically available information including NSW Environment Protection Authority (EPA) and the NSW Planning & Environment website.

Table 3 Publically available information

Potential Sources	Notes	Information Source
Land use designations	The site and surrounding area are within the Northern Beaches Council jurisdiction. The site is located within the Special Activities (Zone SP1) with the purpose of Health Services Facilities. The SP1 zone is to provide for special land activities, such as established public and private infrastructure, not provided for in other zones and to minimise any adverse impacts of the development on surrounding lands.	NSW Department of Planning, Industry and Environment (2020) <i>Environment Planing Instrument: Land Zoning</i>
Contaminated land: Records of Notice	According to the NSW EPA, the site does not have any notices under the <i>Contaminated Land Management (CLM) Act 1997</i> . No sites with a record of notice were identified within 500 m of the site.	NSW EPA (2020) <i>Record of Notices</i>
List of NSW contaminated sites notified to NSW EPA	The closest recorded site is located 550 m north east, identified as Former 7-Eleven Service Station, Beacon Hill. Located on 312 Warringah Road, Beacon Hill, with regulation under the CLM Act not required.	NSW EPA (2020) <i>List of Notified Sites</i>

Potential Sources	Notes	Information Source
Landfilling / Recycling	<p>There is one site recorded approximately 140 m north east of the site identified as Siltech Pty Ltd, located on 6/15 Rodborough Road, Frenchs Forest.</p> <p>The company provides environmental services and waste treatment of precious metal bearing wastes.</p>	<p>Lotsearch (as cited in (Australian Government Department of Agriculture, Water and the Environment (DAWE), n.d.) <i>National Waste Management Site Database</i></p>
James Hardie asbestos waste sites	<p>According to the NSW EPA there are no known James Hardie asbestos waste sites located within 500 m radius of the site.</p>	<p>Lotsearch (as cited in (NSW Government, Environment, Climate Change and Water (GECC&W)) , April 2010, <i>James Hardie Asbestos Waste Contamination Legacy</i>.</p>
Other sites with contamination issues – Former Gasworks and NSW EPA PFAS Investigation Program	<p>No former gasworks or NSW EPA PFAS Investigation Program sites are located within a 500 m radius of the site.</p>	<p>Lotsearch (as cited in (NSW EPA, 2 August 2019)) (Australian Government Department of Defence, n.d.)) <i>PFAS Investigation and Management Program</i></p>
Historical business directory records	<p>Various records have been identified in the historical business directory (1950-1991) within a 20 m buffer of the site.</p> <p>Comprising pharmaceutical, instrument/ industrial, cosmetic, publishers, engineers electrical, fire protection appliances and printers.</p>	<p>Lotsearch (as cited on (UBD and Hardie Grant Media Pty, 2018) <i>Historical Business Directory</i></p>
Licensed activities under the POEO Act 1997	<p>One site was recorded under the POEO Act 1997, located approximately 200 m north west. Identified as Ferrovial Agroman (Australia Pty Ltd), named Northern Beaches Hospital Stage 1 and Stage 2, with the activity of road construction, land-based extractive activity.</p>	<p>(NSW EPA, 2018) <i>List of activities licensed by the EPA under Schedule 1 of the Protection of the Environment Operations Act 1997</i>.</p>
Former activities licenced under the POEO Act 1997	<p>There are two licenced activities now surrendered within a 500 m radius of the site.</p> <p>The activities relate to Siltech Pty Ltd, located on 15 Rodborough Road, Frenchs Forest, approximately 140 m north east of the site, with the activity of non-thermal treatment of hazardous and other waste.</p> <p>The second property is identified as Alcon</p>	<p>Lotsearch (as cited in (NSW EPA, 2018)) <i>Former activities licenced under the POEO Act 1997</i></p>

Potential Sources	Notes	Information Source
	Laboratories (Australia) Pty Ltd located on 10 & 11/25 Frenchs Forest Road East, Frenchs Forest, approximately 330 m north of the site with the activity of hazardous, industrial or Group A Waste Generation or Storage.	
Delicensed activities regulated by the EPA	One site was recorded, identified as 3M Australia Pty Ltd, located on 13 Rodborough Road, Frenchs Forest, approximately 110 m north east of the site with activity of hazardous, industrial or Group A waste generation or storage.	Lotsearch (as cited in (NSW EPA, 2018)) Delicensed activities regulated by the EPA

4. Site history

4.1 Historical aerial photographs

A selection of aerial photographs, obtained from the Lotsearch report (Appendix C) and Google Earth were examined in order to ascertain past activities and land uses at the site. The years examined were 1956, 1961, 1965, 1970, 1982, 1991, 2000, 2007, 2014, 2016, 2017 and 2019. A summary of the information gained from the review of historical aerial photography is provided in Table 4.

Table 4 Review of historical aerial photographs

Year	Site	Surrounds
1917-1920 (Historical Map)	The site appears to be vacant, presumed to be covered by a National Park, there are no features observed on site.	A brick works site is observed to the north followed by Frenchs Forest Road. A quarry is observed circa 2 km to the north east. Old Pittwater Road is located to the east followed by possibly residential or commercial properties. Frenchs Forest Road is located to the west followed by forestland. Land to the south appears to be primarily vacant covered by forestland.
1942 (Historical Map)	The site appears to remain primarily vacant, covered by forestland.	Frenchs Forest Road remains to the north and Old Pittwater Road to the east. The Brickworks site is no longer present, The quarry is still located north east.
1943	The site appears primarily vacant covered by trees, with a few unpaved access roads on the eastern and western portion. Soil stripping / ground extractive works are observed on the north western boundary of the site.	Allambie Road is observed to the east followed by possibly commercial, residential properties. Land to the south is primarily forestland, a dam is located circa 60 m to the south. Forestland is observed west of the site, with a few access road on a north westerly and south westerly direction. What appears to be land stripping or ground extractive activities are observed north west of the site. An industrial building is located circa 150 m to the north west, soil stripping / excavation works are observed south of this building.
1951	The site remains primarily unchanged from the 1943 aerial photograph, primarily covered by forestland and a few access roads observed to the east and west. What appear to be soil stripping / ground extractive activities are now observed on the southern boundary of the site.	Surrounding land remains primarily unchanged from the 1943 aerial photograph, with what appear to be ground extractive activities observed to the south.

Year	Site	Surrounds
1956	It is not very clear from the aerial photograph but construction works are now noted to the north east of the site. Various access roads are still present on the eastern and western portion of the site.	Surrounding land remained primarily unchanged since the 1951 aerial photograph.
1961	<p>New building structures (with the same layout as currently present on site) with associated paved car park and access roads, possibly part of a hospital or medical facilities is now observed to the north east. Soil stripping is observed to the west of the new building structures.</p> <p>Two industrial structures are now present to the south east.</p> <p>The remainder portion of the lot to the east remained primarily vacant covered by a few trees and a couple of access roads.</p> <p>Earthworks / ground extractive works are observed on the southern boundary of the lot.</p>	<p>Ground extractive activities are now more clearly observed immediately to the south west. A new industrial building is observed further to the south east.</p> <p>Residential properties are now more clearly observed east of Allambie Road.</p> <p>An electrical power station is now located circa 140 m to the north.</p> <p>New industrial buildings appear to have been constructed to the north west with pits from ground extractive activities still present south of these buildings.</p>
1965	What appear to be landscaping works are observed to the west of site building structures. A new industrial building is now observed to the south east. No major change is observed on the remainder of the site.	<p>New commercial buildings are now observed circa 140 m to the south.</p> <p>A new commercial / industrial building is also observed north of the electrical substation.</p>
1970	<p>Landscaping works appear to have been undertaken west of the building structures on site.</p> <p>A new paved carpark is now located to the west of site building structures with multiple cars. A new access road appears to have been constructed as well south of the building, and a recreational park is observed on the northern boundary of the site.</p> <p>Soil stripping / ground extractive activities and a couple of access roads are now observed to the south west.</p>	<p>A major residential development is now present to the east beyond Allambie Road.</p> <p>New commercial buildings are also observed further to the south.</p> <p>A new industrial building is now present further to the north west.</p>
1978	<p>The eastern portion of the site remains primarily unchanged from the 1970 aerial photograph with a new possibly administrative structure observed to the north of the carpark.</p> <p>Soil stripping / excavation works are no longer present on the western portion of the site and this area appears to have been backfilled.</p> <p>An overhead high power tower is observed to the north east.</p>	<p>A new industrial building now appears to have been constructed to the south east where previous ground extractive activities were observed.</p> <p>Extractive activities to the north east appear to have been backfilled as well and the industrial structures previously observed at this location appear to have been demolished. New industrial / commercial buildings are now present to the east of the electrical substation.</p>

Year	Site	Surrounds
1982	No major change is observed on the site from the 1978 aerial photograph.	Surrounding land remained primarily unchanged with the construction of new commercial / industrial buildings circa 140 m north west at the location of previously observed extractive activities.
1986	The site remains primarily unchanged with an increased grass / vegetation coverage on the western portion of the site.	No major change is observed on surrounding land with more industrial buildings now observed to the north west circa 150 m of the site.
1991	Increased tree / vegetation coverage is observed on the western portion of the site, the remainder of the site remained primarily unchanged.	No major change is observed on surrounding land from the 1986 aerial photograph.
1994	Increased grass / vegetation coverage is observed to the west, the overhead power tower is now more clearly noted.	New overhead electrical power poles are now located north of the site to the south of the electrical power substation.
2000	Greater tree coverage is observed to the west, the remainder of the site remained primarily unchanged.	Construction of new access roads are observed to the south east. Construction works appear to be undergoing south of the electrical power station.
2009	The administrative building to the north of the carpark now appears to have been demolished. Four structures possibly shipping containers are now present at this location. No major change is observed on the remainder of the lot.	A new residential development is now observed to the south east. Revegetation works appear to have been undertaken for the electrical substation with a greater coverage of trees now present.
2014	Previously observed buildings to the south east now appear to have been demolished and a car park is now present at this location. No major change is noted on the rest of the site.	Previously observed industrial / commercial structures to the south of the site appear to have been demolished and a new building with associated tennis court is now present. No major change is observed on the land to the north and west.
2020	The site remained primarily unchanged from the 2014 aerial photograph.	No major change is observed on surrounding land from the 2014 aerial photograph.

4.2 History summary

Review of aerial photographs indicated the site was primarily vacant forestland prior to the ground extractive activities were observed since 1943 on the north western boundary and since 1951 on the southern boundary of the site. Extractive locations appeared to have been backfilled by 1978. Construction works and new building structures with associated carparks presumed part of the existing buildings were observed since 1956 and underwent different alterations / demolition and landscaping works through the years.

Industrial / commercial building structures to the south east of the site were built in 1961 and then demolished for the construction of a carpark in 2014. Fill of unknown origin may have been utilised for levelling purposes for the construction of site buildings and backfill of historically observed ground extractive activities onsite and on the surrounding area. Asbestos may have been present on current and demolished on-site building structures as prior to the time in which asbestos was banned in Australia on 2003. Surrounding land has been primarily commercial, industrial and residential.

Additional information retrieved from Cerebral Palsy Alliance (2018) *History* indicated The Spastic Centre changed its name to Cerebral Palsy Alliance on 2011. History records in this website indicated Venee Burges Hostel opened at Allambie Heights in 1974. Housing 50 residents, the hostel enabled adults with cerebral palsy to fulfil their dream of living independently while still receiving day-to-day support.

5. Preliminary conceptual site model

A preliminary conceptual site model (CSM) was developed to provide an understanding of the potential for possible exposure to contaminants and impacts to users of the site and construction workers. The CSM draws together historical aerial photography, specific and local geological, hydrogeological and site observations to identify potential contamination sources, migration and exposure pathways and sensitive receptors of the site.

5.1 Potential sources

Based on the findings from the desktop review and site walkover inspection, a number of potential contamination sources were identified for the site. These are summarised in the table below.

Table 5 Potential sources of contamination

Description	Rationale/detail	Key identified potential contamination
Fill of unknown origin	Fill was observed on-site during the site inspection and is known to be present on the northern portion of the site as underlain by Disturbed Terrain. There is a possibility that this fill may contain contamination, in the absence of information of its quality and origin.	Heavy metals, total recoverable hydrocarbons (TRHs), solvents, polycyclic aromatic hydrocarbons (PAHs), phenols, polychlorinated biphenyls (PCBs), pesticides/herbicides and asbestos, ground gases.
Hazardous materials in site structures	Hazardous materials were observed in building structures, such as asbestos eaves, lead paint, fluorescent light fittings, hot water systems, air conditioning units.	Asbestos, PCBs, lead paint, SMF.
Storage and use of chemicals	Storage of oils, solvents, cleaners, paint.	TRH, BTEX, PAHs, phenols, heavy metals, OCPs and OPPs.
Oil staining / oil leaks, fuel leaks.	Bitumen pavement on carparks was observed to be in poor condition with cracking and holes observed at various locations. It is possible that oil / petrol leaks from parked vehicles may infiltrate through these gaps.	TRH, BTEX, PAHs, phenols, heavy metals.
Off site commercial / industrial activities	Run off from commercial and industrial properties to the north may represent an offsite source of contamination, given its proximity to the site. Migration of ground gases from off site former pits.	Heavy metals, hydrocarbons (TRHs), solvents, polycyclic aromatic hydrocarbons (PAHs), phenols, polychlorinated biphenyls (PCBs).

Note: TRH – total recoverable hydrocarbons, BTEX – benzene, toluene, ethylbenzene, xylene, PAH – polycyclic aromatic hydrocarbons, OCP - organochlorine pesticides, OPP - organophosphate pesticides, heavy metals (As, Cd, Cu, Ni, Pb, Zn, Hg), PCB - polychlorinated biphenyls.

5.2 Pathways

The site is to be redeveloped for the construction of a new high school and the following potential exposure pathways are identified with respect to the proposed development:

- Dermal contact with potentially contaminated soil and dust for future site users and construction workers.
- Incidental ingestion of potentially contaminated soils and dust for future site users and construction workers.
- Inhalation of asbestos fibres potentially present in soils for future users of the site and during demolition of site structures for during construction works.
- Inhalation of dust or vapours from contaminated soils for future site users and construction workers.
- Incidental dermal contact, ingestion or inhalation of volatile compounds of potentially contaminated groundwater for future site users and during construction works (if groundwater table is encountered).
- Inhalation from the migration of ground gas from on site and off site sources.

5.3 Potential receptors

When evaluating potential adverse health / environmental effects from exposure to a contaminated site, all potentially exposed populations should be considered. For the site, the key populations or receptors of interest in the context of the proposed development are considered to include:

Human receptors

- Future students, teachers, site users.
- Future construction workers and future maintenance workers (on-site).
- Adjacent site users (Arranounbai School, Cerebral Palsy Alliance).

Environmental receptors

- Groundwater beneath the site.
- Flora and fauna on the site. Table 6.
- Aquatic ecosystems that may be present in nearby surface water receptors (Manly Creek, Brookvale Creek).

5.4 Data gaps – source pathway receptor linkages

The CSM presented in Table 6 identifies potential contamination sources, migration and exposure pathways and sensitive receptors in accordance with the proposed development of the site as a high school.

The following data gaps identified in this PSI will require closure by further investigations:

- The quality of site soils beneath the site, requires further assessment.
- The quality of groundwater beneath the site, requires further investigation.
- Standing Water Level (SWL) at the site is unknown, and there were no records on SWL from groundwater boreholes in proximity of the site.
- The presence of ground gases on site requires further investigation.

Potential presence of hazardous materials present within the existing structures requires verification.

Table 6 Potential source-pathway-receptor linkage

Contamination source	Exposure pathway	Receptor	Potential for source pathway receptor (SPR) linkage to be complete	Rationale
Fill across the site.	Direct dermal contact and ingestion.	Future users of the site	Potentially complete – Further assessment required.	Disturbed Terrain soil landscape underlain the northern portion of the site and indication of fill was observed during the site inspection. There is a possibility that this fill may contain contamination, in the absence of information of its quality and origin. Given the presence of undeveloped soft-standing grassed areas on a great portion of the site, and bitumen pavement being in poor condition within the car parks potential leaks may have caused localised contamination of on-site soils. Given the proposed development has areas of proposed accessible soils, future site users (i.e. teachers and students) may come in contact with contaminated site soils and may be exposed to inhalation of volatile contaminants and ground gases potentially present on site.
		Construction / maintenance workers	Potentially complete – Further assessment required.	
		Neighbouring properties	Unlikely – Off-site land users unlikely to come into direct contact with site soils.	
	Inhalation of dust.	Future users of the site	Potentially complete – Further assessment required.	
		Construction / maintenance workers	Potentially complete – Further assessment required.	
		Neighbouring properties	Potentially complete – Further assessment required.	
	Inhalation of volatile contaminants emanating from contaminated soils.	Future users of the site	Potentially complete – Further assessment required.	
		Construction / maintenance workers	Potentially complete – Further assessment required.	
		Neighbouring properties	Potentially complete – Further assessment required.	
	Inhalation and explosion risk emanating from ground gases.	Future users of the site	Potentially complete – Further assessment required.	
		Construction / maintenance workers	Potentially complete – Further assessment required.	
		Neighbouring properties	Potentially complete – Further assessment required.	

Contamination source	Exposure pathway	Receptor	Potential for source pathway receptor (SPR) linkage to be complete	Rationale
Asbestos Containing Materials (ACM), lead paint/ lead dust, SMF, PCBs.	Inhalation of asbestos fibres and lead dust.	Future users of the site	Potentially complete – Further assessment required.	Asbestos containing materials and flaking lead paint was observed in building structures, there is a possibility that lead and asbestos may be present as well within site soils. Hazardous materials shall be identified and managed prior to demolition of site structures. The proposed development comprises areas of accessible soils, further soil assessment will identify if there is any contamination derived from the presence of hazardous building materials such as asbestos and lead paint on site soils.
		Construction / maintenance workers	Potentially complete – Further assessment required.	
		Neighbouring properties	Potentially complete – Further assessment required.	
Potential groundwater contamination.	Direct dermal contact and ingestion (if groundwater is intersected).	Future users of the site	Potentially complete – Further assessment required.	Given potential use of oil fuels, paint, solvents and that a great portion of the site is undeveloped soft-standing grassed areas or covered by bitumen pavement in poor condition, potential leaks or spills may infiltrate the ground and contaminate groundwater. Run off from commercial and industrial properties to the north may represent an offsite source of contamination, given its proximity to the site. It is noted information regarding SWL at the site was not available at the time of reporting and requires further confirmation.
		Construction / maintenance workers	Potentially complete – Further assessment required.	
		Neighbouring properties	Unlikely – off-site residential land users unlikely to come into direct contact with site groundwater as there are no registered abstraction bores down gradient of the site.	
	Inhalation of volatile contaminants emanating from contaminated groundwater.	Future users of the site	Potentially complete – Further assessment required.	
		Construction / maintenance workers	Potentially complete – Further assessment required.	
		Neighbouring properties	Potentially complete – Further assessment required.	

6. Conclusions and recommendations

6.1 Conclusions

In accordance with the objectives detailed in Section 1.3, and based on the information contained within this assessment, the key findings of this preliminary site investigation are presented below:

- Review of aerial photographs indicated the site was primarily vacant forestland until least 1943. Ground extractive activities were observed since 1943 on the north western boundary and since 1951 on the southern boundary of the site until 1978 when extractive locations appeared to have been backfilled. Construction works and new structure buildings with associated carparks presumed part of the existing building were observed since 1956 and underwent different alterations / demolition and landscaping works through the years.
- Based on historical information available for the site and surrounding land, potential contaminants associated with the site include potential areas of fill observed at different locations of the site such as on the western strip of vegetation adjacent to Arranounbai School, and the man-made mound observed north of the central car park, fill is also assumed to be imported on site for levelling of site structures.
- Buildings were observed to be in poor condition, with lead paint flaking at various locations, asbestos eaves were also observed in building structures, fluorescent light fittings, hot water systems and air conditioning units were noted on building structures. Scrap materials were also observed throughout the site comprising plastic, timber, aluminium, and medical instruments.
- Based on the desktop contamination review, a number of potential contamination sources were identified on-site. These include:
 - Fill of unknown origin identified on-site
 - Hazardous materials in on site structures
 - Storage and use of chemicals
 - Potential spillages from oils, fuels solvents
 - Run off from commercial and industrial properties
 - Migration of ground gases from on site and off site sources

Based on findings presented in this PSI, GHD concludes that potentially complete linkages may exist between on-site contamination and future receptors. Given the high sensitivity of the proposed future use of the site (high school), these potential linkages require further assessment to assess the risk posed by potential contamination to identified receptors.

6.2 Recommendations

Based on findings from this PSI, the following recommendations are provided to outline the additional assessment required in order to render the site suitable for the proposed use of the site as a High School:

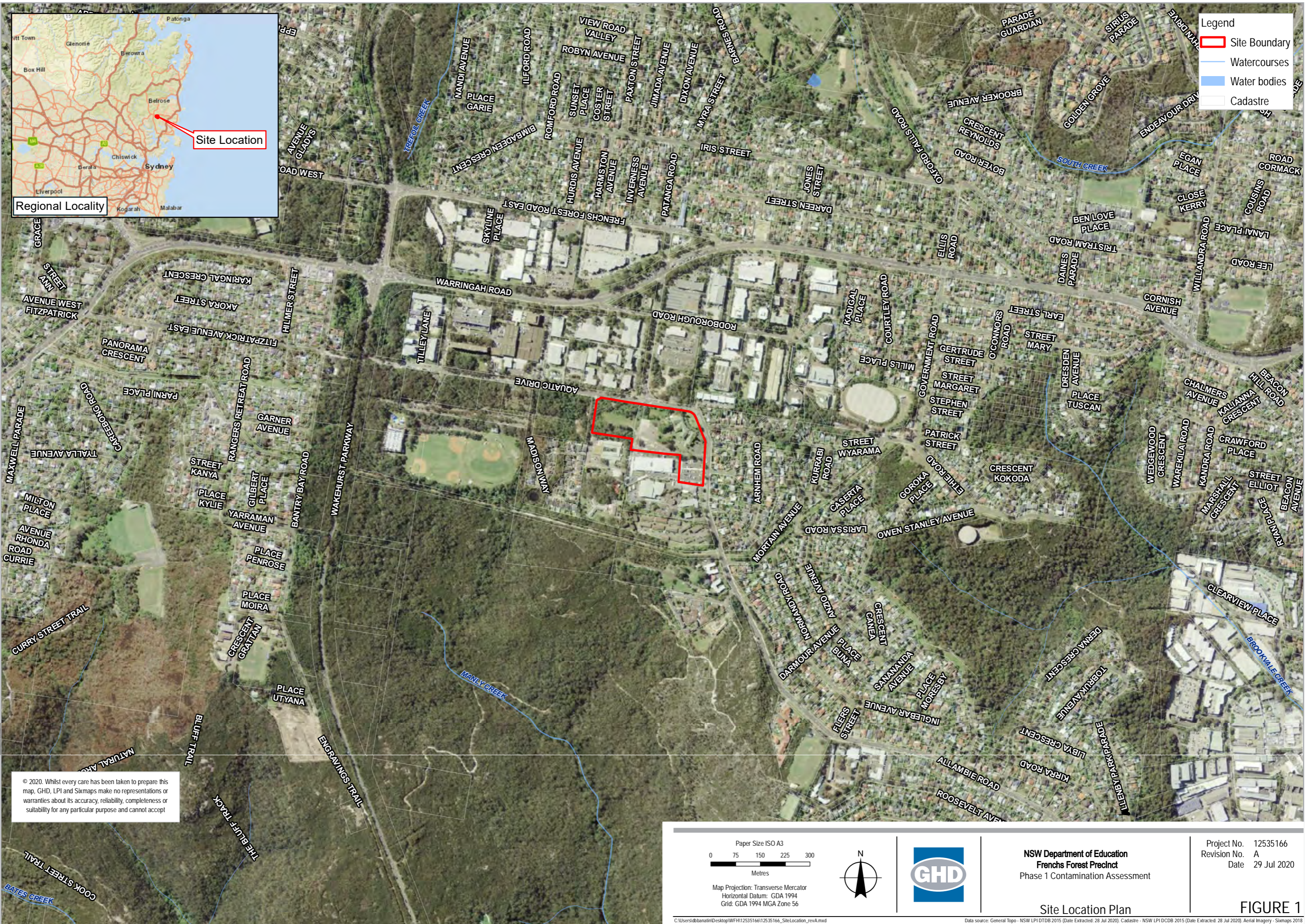
- Undertake a Detailed Site Investigation (DSI) to assess the potential impact from identified potential contaminants of concern.
- Prior to site demolition, carry out a Hazardous Materials Survey on existing site structures to identify potentially hazardous building products that may be released to the environment during demolition.

7. References

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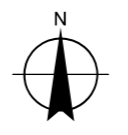
Appendices

Appendix A – Figures



- Legend
- Site Boundary
 - Watercourses
 - Water bodies
 - Cadastre

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NSW Department of Education
 Frenchs Forest Precinct
 Phase 1 Contamination Assessment

Project No. 12535166
 Revision No. A
 Date 29 Jul 2020

Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 56

Site Location Plan

FIGURE 1

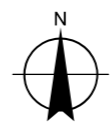
C:\Users\lbanastin\Desktop\WFR12535166\12535166_SiteLocation_revA.mxd
 Print date: 29 Jul 2020 - 11:58
 Data source: General Topo - NSW LPI DTDB 2015 (Date Extracted: 28 Jul 2020), Cadastre - NSW LPI DCDB 2015 (Date Extracted: 28 Jul 2020), Aerial Imagery - Sixmaps 2018
 © Department of Customer Service 2020
 Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User



- Legend**
- Car Park (Poor Condition)
 - Filling Observed
 - Man-made Mount
 - Storage Room
 - Work Shop
 - Site Boundary
 - Cadastre

© 2020. Whilst every care has been taken to prepare this map, GHD, LPI and Sixmaps make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and cannot accept

Paper Size: ISO A3
 0 10 20 30 40
 Metres
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 56



NSW Department of Education
 Frenchs Forest Precinct
 Phase 1 Contamination Assessment

Project No. 12535166
 Revision No. A
 Date 12 Aug 2020

Site Layout Plan

FIGURE 2

Data source: General Topo - NSW LPI DTDB 2015 (Date Extracted: 28 Jul 2020), Cadastre - NSW LPI DCDB 2015 (Date Extracted: 28 Jul 2020), Aerial Imagery - Sixmaps 2018 © Department of Customer Service 2020
 Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User

Appendix B – Development Plan

Feasibility Study

1. Dimensions are in millimetres unless otherwise shown.
2. Work to given dimensions. Do not scale from drawing.
3. Check all dimensions on site prior to construction and fabrication.
4. Bring any discrepancies to the attention of the proprietor & architect.

LEGEND

- EXISTING BUILDINGS
- PROPOSED BUILDINGS
- ACTIVE/PASSIVE PLAY
- SCHOOL ACCESS
- FACILITY BREAKOUT SPACE
- TO BE DEMOLISHED
- CIRCULATION NODE
- EXISTING TREE
- SPORTS COURT/HARDSTAND
- ADMIN / VISITOR ENTRY

KEY POINTS

- MASTERPLAN SUMMARY - STREAM 9 FACILITY**
- DEMOLISH EXISTING BUILDINGS ONSITE. DEMOLISH / MODIFY EXISTING ONSITE ROADWAYS.
 - DEVELOP MID-RISE HIGH SCHOOL CONSISTING OF 4 BUILDINGS THAT STEP UP IN HEIGHT FROM 3 TO 4 STOREYS. GROUND FLOOR LEVELS CONTAIN ADMIN, LIBRARY, TAS, HOSPITALITY, VISUAL ARTS/STEM & DOUBLE-HEIGHT GYMNASIUM, WITH THE OPPORTUNITY TO SHARE WITH THE COMMUNITY.
 - DEVELOP NEW THROUGH-SITE LINKWAY FOR STAFF, STUDENTS & THE COMMUNITY
 - DEVELOP NEW SLIP ROAD OFF EXISTING ROUNDABOUT FOR ONSITE BUS BAY, REQUIRING MODIFICATION OF ROADWAY.
 - DEVELOP NEW STAFF & VISITOR PARKING, ACCESSED OFF AQUATIC DRIVE.
 - DEVELOP SITE LANDSCAPING FOR PASSIVE AND ACTIVE PLAY SPACE THROUGH A SPORTS FIELD W/ ASSOCIATED GRANDSTAND & STORAGE, SPORTS COURT, HARDSTAND, PLAZA AREAS AND LEARNING COURTYARDS. OPTION FOR ROOFTOP TERRACES.
 - DEVELOP NEW CARPARK OFF ALLAMBIE ROAD FOR OVERFLOW SCHOOL PARKING AND TO SERVICE AFTER HOURS/WEEKEND SPORTS FIELD ACCESS.

FUNCTIONAL SUMMARY

SITE SUMMARY
 SITE AREA: APPROX. 42,000 m²
 ZONING: SP1 SPECIAL ACTIVITIES
 FSR: N/A
 MAX BUILDING HEIGHT: 8.5m

AREA SUMMARY

ADMIN BUILDING	2,640
LIBRARY BUILDING	3,960
STEM BUILDING	5,280
GYMNASIUM BUILDING	4,500
HIGH SCHOOL FLOOR AREA:	APPROX 16,380 m²

PLAY SPACE SUMMARY

HARDSTAND PLAY SPACE	1,250
PLAZAS	2,000
COURTYARDS	2,100
SPORTS COURT	900
ACTIVE & PASSIVE PLAY	3,150
SPORTS FIELD	7,600 m ²
TOTAL PLAY SPACE ACROSS THE SITE:	APPROX 17,000 m²

PLAY SPACE RATIO (10m² per student, 1,530 students): 1: 11.1

DISCLAIMER

THE SUBJECT SITE IS AT THE DIRECTIVE OF THE CLIENT (SCHOOL INFRASTRUCTURE NSW). FURTHER DUE DILIGENCE WILL NEED TO BE COMPLETED FOR ANY FUTURE PROJECT STAGES.

PROVIDED AREA SCHEDULES ARE APPROXIMATE AND ARE TO BE USED AS A GUIDE ONLY. A GROSSING FACTOR OF 40% HAS BEEN INCLUDED WITHIN THE AREAS TO ALLOW FOR CIRCULATION, ENGINEERING & WALL THICKNESS.



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Feasibility Study

1. Dimensions are in millimetres unless otherwise shown.
2. Work to given dimensions. Do not scale from drawing.
3. Check all dimensions on site prior to construction and fabrication.
4. Bring any discrepancies to the attention of the proprietor & architect.

LEGEND

- PROPOSED BUILDINGS
- CIRCULATION NODE
- ACTIVE/PASSIVE PLAY
- SCHOOL ACCESS
- PLAZA/COMMUNITY LINK
- FACILITY BREAKOUT SPACE
- CARPARKING
- DELIVERIES/SERVICES

KEY POINTS

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FUNCTIONAL SUMMARY

SITE SUMMARY
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 ZONING: SP1 SPECIAL ACTIVITIES
 FSR: N/A
 MAX BUILDING HEIGHT: 8.5m

AREA SUMMARY

ADMIN BUILDING	2,640
LIBRARY BUILDING	3,960
STEM BUILDING	5,280
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PLAY SPACE RATIO (10m² per student, 1,530 students): 1: 11.1



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- PROPOSED BUILDINGS
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- FACILITY BREAKOUT SPACE
- TO BE DEMOLISHED
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- EXISTING TREE
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FUNCTIONAL SUMMARY

SITE SUMMARY
 SITE AREA: APPROX. 42,000 m²
 ZONING: SP1 SPECIAL ACTIVITIES
 FSR: N/A
 MAX BUILDING HEIGHT: 8.5m

AREA SUMMARY

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STEM BUILDING	5,280
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Appendix C – Lotsearch report



LOTSEARCH
LOTSEARCH ENVIRO PROFESSIONAL

Date: 21 Jul 2020 17:32:42

Reference: LS013622 EP

Address: 187 Allambie Road, Allambie Heights, NSW 2100

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:



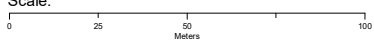
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Finance, Services & Innovation	13/05/2020	13/05/2020	Quarterly	-	-	-	-
Topographic Data	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	13/07/2020	13/07/2020	Monthly	1000	0	0	2
Contaminated Land Records of Notice	Environment Protection Authority	25/06/2020	25/06/2020	Monthly	1000	0	0	0
Former Gasworks	Environment Protection Authority	22/06/2020	11/10/2017	Monthly	1000	0	0	0
National Waste Management Facilities Database	Geoscience Australia	15/05/2020	07/03/2017	Quarterly	1000	0	0	1
National Liquid Fuel Facilities	Geoscience Australia	05/02/2020	13/07/2012	Quarterly	1000	0	0	2
EPA PFAS Investigation Program	Environment Protection Authority	01/07/2020	01/07/2020	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	12/02/2020	12/02/2020	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	12/02/2020	12/02/2020	Monthly	2000	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	29/06/2020	29/06/2020	Monthly	2000	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	14/07/2020	14/07/2020	Monthly	2000	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	04/02/2020	13/12/2018	Annually	1000	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	15/07/2020	15/07/2020	Monthly	1000	0	0	1
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	15/07/2020	15/07/2020	Monthly	1000	0	0	1
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	15/07/2020	15/07/2020	Monthly	1000	0	0	5
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	59	103
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150	-	52	52
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500	-	10	33
Points of Interest	NSW Department of Finance, Services & Innovation	30/03/2020	30/03/2020	Quarterly	1000	0	1	36
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	30/03/2020	30/03/2020	Quarterly	1000	0	0	2
Tanks (Points)	NSW Department of Customer Service - Spatial Services	30/03/2020	30/03/2020	Quarterly	1000	0	0	1
Major Easements	NSW Department of Finance, Services & Innovation	30/03/2020	30/03/2020	Quarterly	1000	2	2	26
State Forest	Forestry Corporation of NSW	18/01/2018	18/01/2018	As required	1000	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	21/01/2020	30/09/2019	Annually	1000	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	1
Botany Groundwater Management Zones	NSW Department of Planning, Industry and Environment	15/03/2018	01/10/2005	As required	1000	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Groundwater Boreholes	NSW Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology)	24/07/2018	23/07/2018	Annually	2000	0	0	29
Geological Units 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		None planned	1000	2	-	2
Geological Structures 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		None planned	1000	0	-	2
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000	1	1	1
Soil Landscapes	NSW Department of Planning, Industry and Environment	12/08/2014		None planned	1000	2	-	5
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	15/07/2020	01/05/2020	Monthly	500	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	1	1	2
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000	0	0	0
Dryland Salinity Potential of Western Sydney	NSW Department of Planning, Industry and Environment	12/05/2017	01/01/2002	None planned	1000	-	-	-
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	30/03/2020	30/03/2020	Quarterly	1000	0	0	0
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	15/07/2020	07/12/2018	Monthly	1000	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	15/07/2020	05/06/2020	Monthly	1000	1	6	45
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	18/05/2020	20/11/2019	Quarterly	1000	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	18/05/2020	20/11/2019	Quarterly	1000	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	12/02/2020	09/11/2018	Quarterly	1000	0	0	0
Environmental Planning Instrument Heritage	NSW Department of Planning, Industry and Environment	15/07/2020	05/06/2020	Monthly	1000	0	0	4
Bush Fire Prone Land	NSW Rural Fire Service	04/02/2020	14/12/2019	Quarterly	1000	2	3	3
Native Vegetation of the Sydney Metropolitan Area	NSW Office of Environment & Heritage	01/03/2017	16/12/2016	As required	1000	2	3	11
Ramsar Wetlands of Australia	Department of the Agriculture, Water and the Environment	08/10/2014	24/06/2011	As required	1000	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	0
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	0
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	21/07/2020	21/07/2020	Weekly	10000	-	-	-

Site Diagram

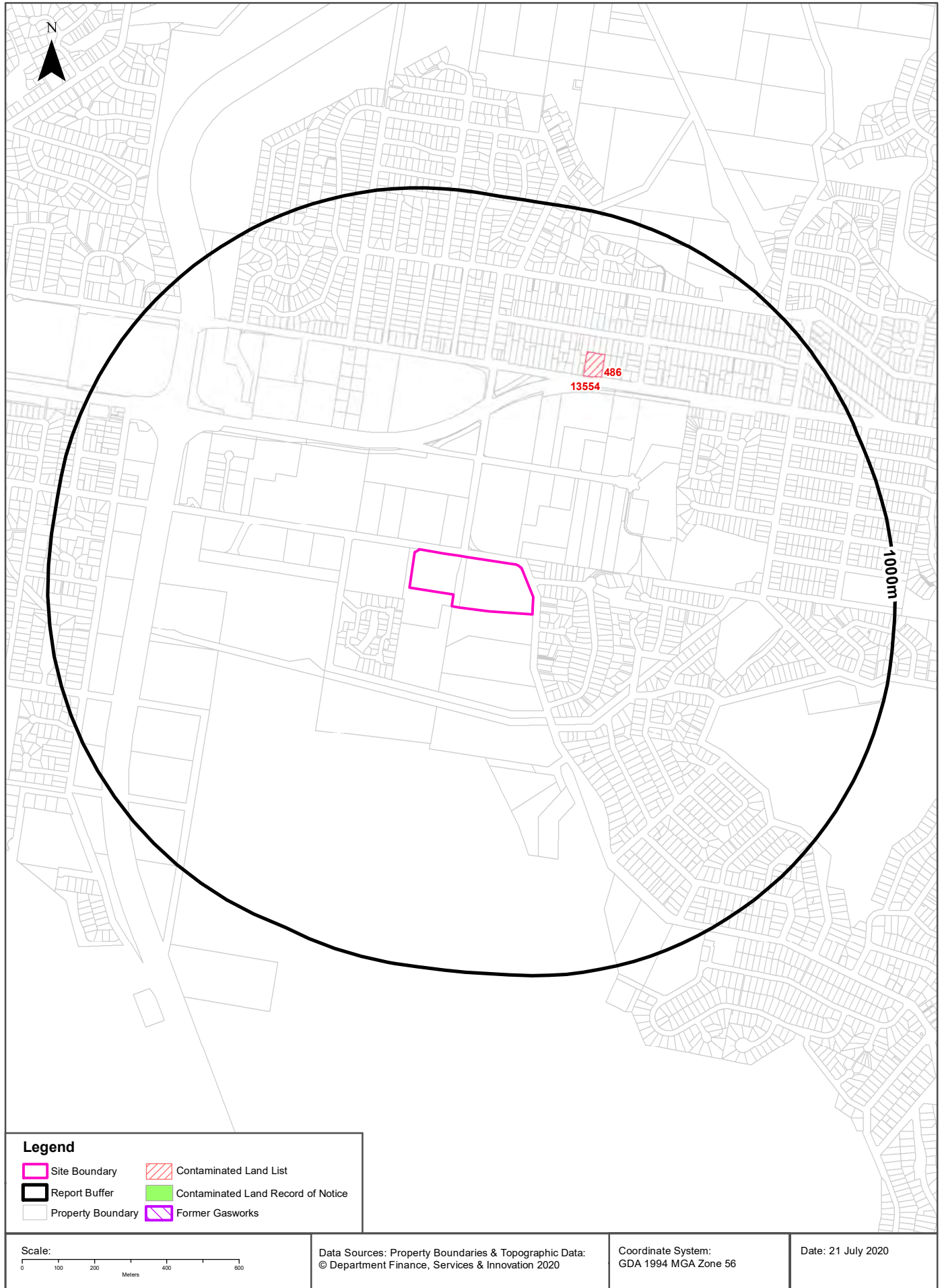
187 Allambie Road, Allambie Heights, NSW 2100



Legend  Site Boundary  Internal Parcel Boundaries	Total Area: 41505m ² Total Perimeter: 919m	Scale: 
	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.	Data Sources: Aerial Imagery © Aerometrex Pty Ltd
	Coordinate System: GDA 1994 MGA Zone 56	Date: 21 July 2020

Contaminated Land

187 Allambie Road, Allambie Heights, NSW 2100



Contaminated Land

187 Allambie Road, Allambie Heights, NSW 2100

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 (m)	Direction
486	Former 7-Eleven / Mobil Beacon Hill Service Station, Frenchs Forest	312 Warringah Road	Frenchs Forest	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	555m	North East
13554	Former 7-Eleven Service Station, Beacon Hill	312 Warringah Road	BEACON HILL	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	555m	North East

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

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

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land

187 Allambie Road, Allambie Heights, NSW 2100

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

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

Contaminated Land Records of Notice Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit

<http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm>

Former Gasworks

Former Gasworks within the dataset buffer:

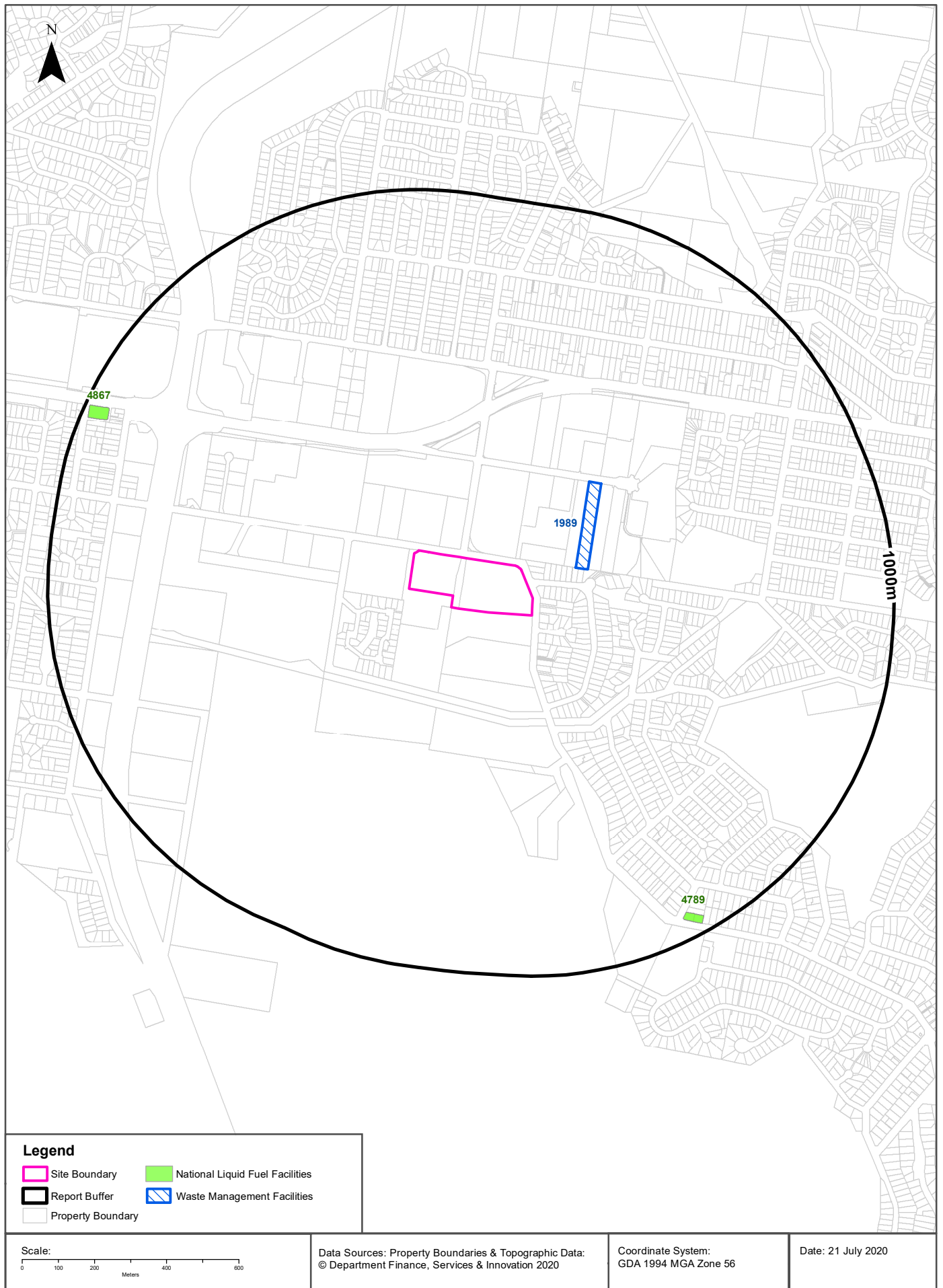
Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

187 Allambie Road, Allambie Heights, NSW 2100



Waste Management & Liquid Fuel Facilities

187 Allambie Road, Allambie Heights, NSW 2100

National Waste Management Site Database

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

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist (m)	Direction
1989	Siltech Pty Ltd	Siltech Pty Ltd	6/15 Rodborough Road	Frenchs Forest	Multi-Purpose		Operational	Operational		Premise Match	142m	North East

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

National Liquid Fuel Facilities

National Liquid Fuel Facilities within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist (m)	Direction
4789	BP	BP Allambie Heights	132 Allambie Road	Allambie Heights	Petrol Station	Operational		25/07/2011	Premise Match	925m	South East
4867	7-Eleven Pty Ltd	Frenchs Forest	416 Warringah Road	Frenchs Forest	Petrol Station	Operational		13/07/2012	Premise Match	928m	North West

National Liquid Fuel Facilities Data Source: Geoscience Australia
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PFAS Investigation & Management Programs

187 Allambie Road, Allambie Heights, NSW 2100

EPA PFAS Investigation Program

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

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

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

Defence PFAS Investigation Program

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

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

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

Defence PFAS Management Program

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

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

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

Airservices Australia National PFAS Management Program

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

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

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

187 Allambie Road, Allambie Heights, NSW 2100

Defence 3 Year Regional Contamination Investigation Program

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

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

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

EPA Other Sites with Contamination Issues

187 Allambie Road, Allambie Heights, NSW 2100

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
- Pasmenco Lead Abatement Strategy Area

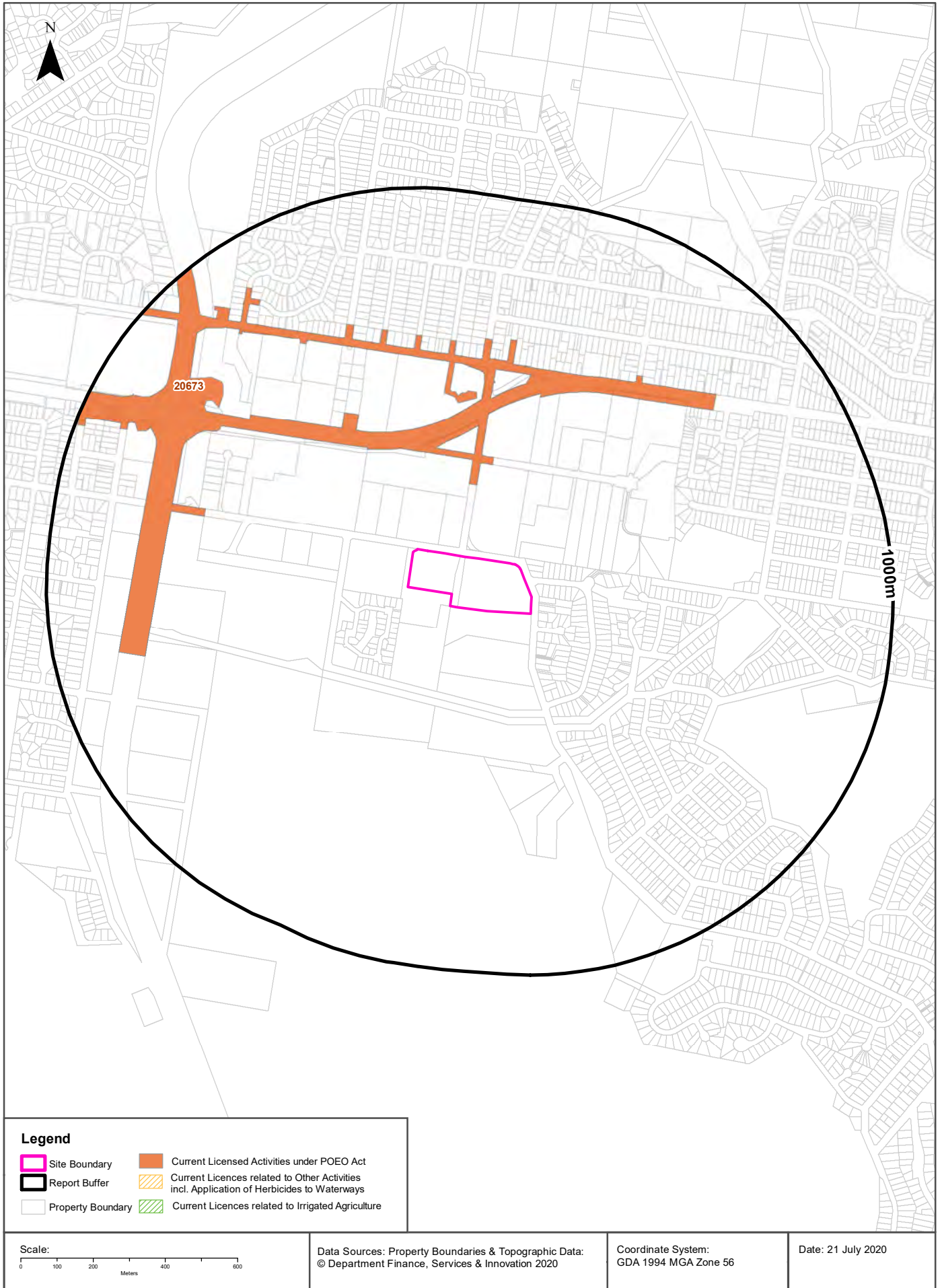
Sites within the dataset buffer:

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

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

Current EPA Licensed Activities

187 Allambie Road, Allambie Heights, NSW 2100



EPA Activities

187 Allambie Road, Allambie Heights, NSW 2100

Licensed Activities under the POEO Act 1997

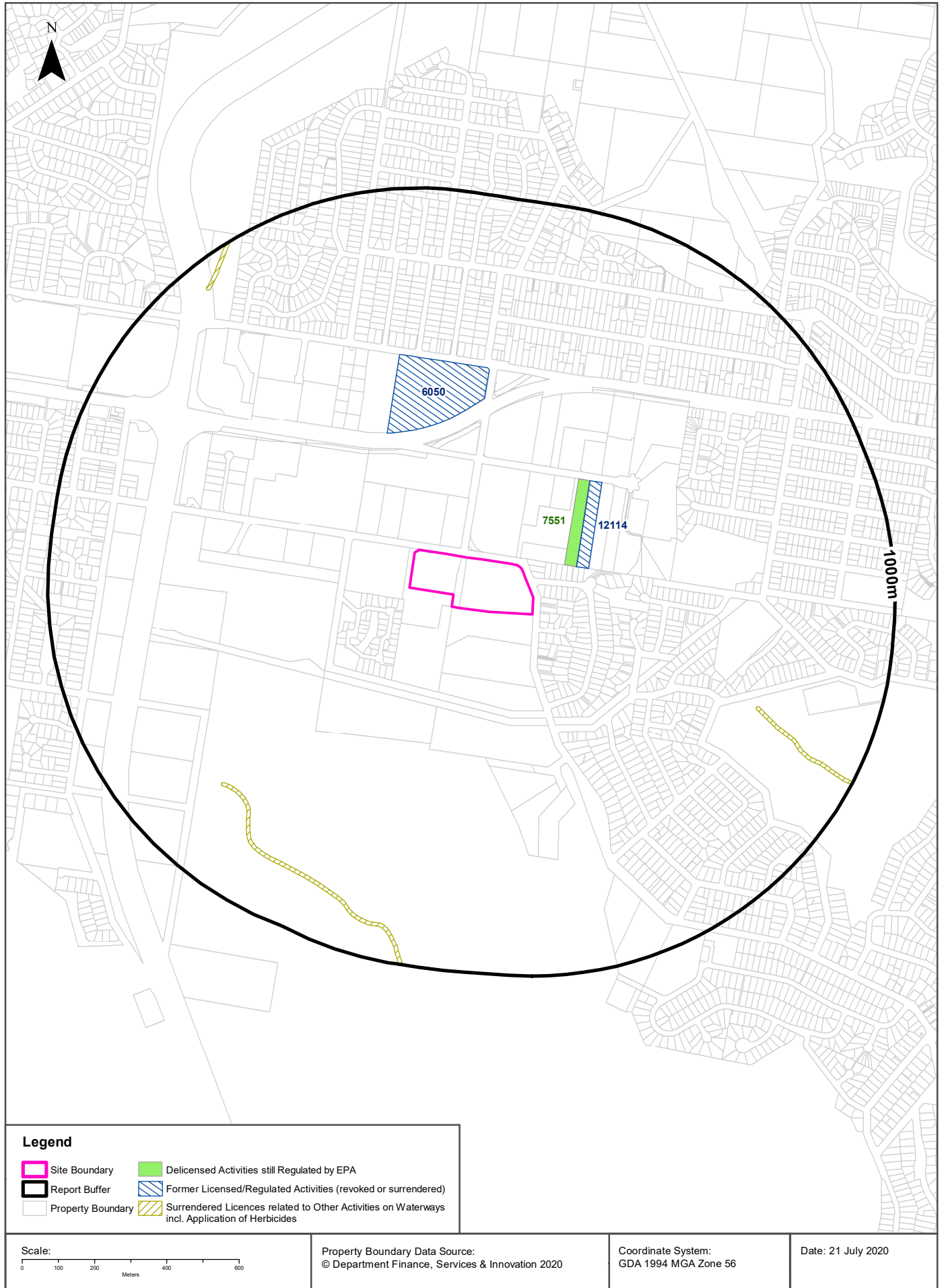
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
20673	FERROVIAL AGROMAN (AUSTRALIA) PTY. LTD.	Northern Beaches Hospital Stage 1 and Stage 2	Northern Beaches Hospital Connectivity and Network Enhancements Project, FRENCHS FOREST, NSW 2086		Road construction; Land-based extractive activity	Road Match	201m	North West

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

Delicensed & Former Licensed EPA Activities

187 Allambie Road, Allambie Heights, NSW 2100



EPA Activities

187 Allambie Road, Allambie Heights, NSW 2100

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
7551	3M AUSTRALIA PTY LTD	3M AUSTRALIA	13 RODBOROUGH ROAD	FRENCHS FOREST	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	112m	North East

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

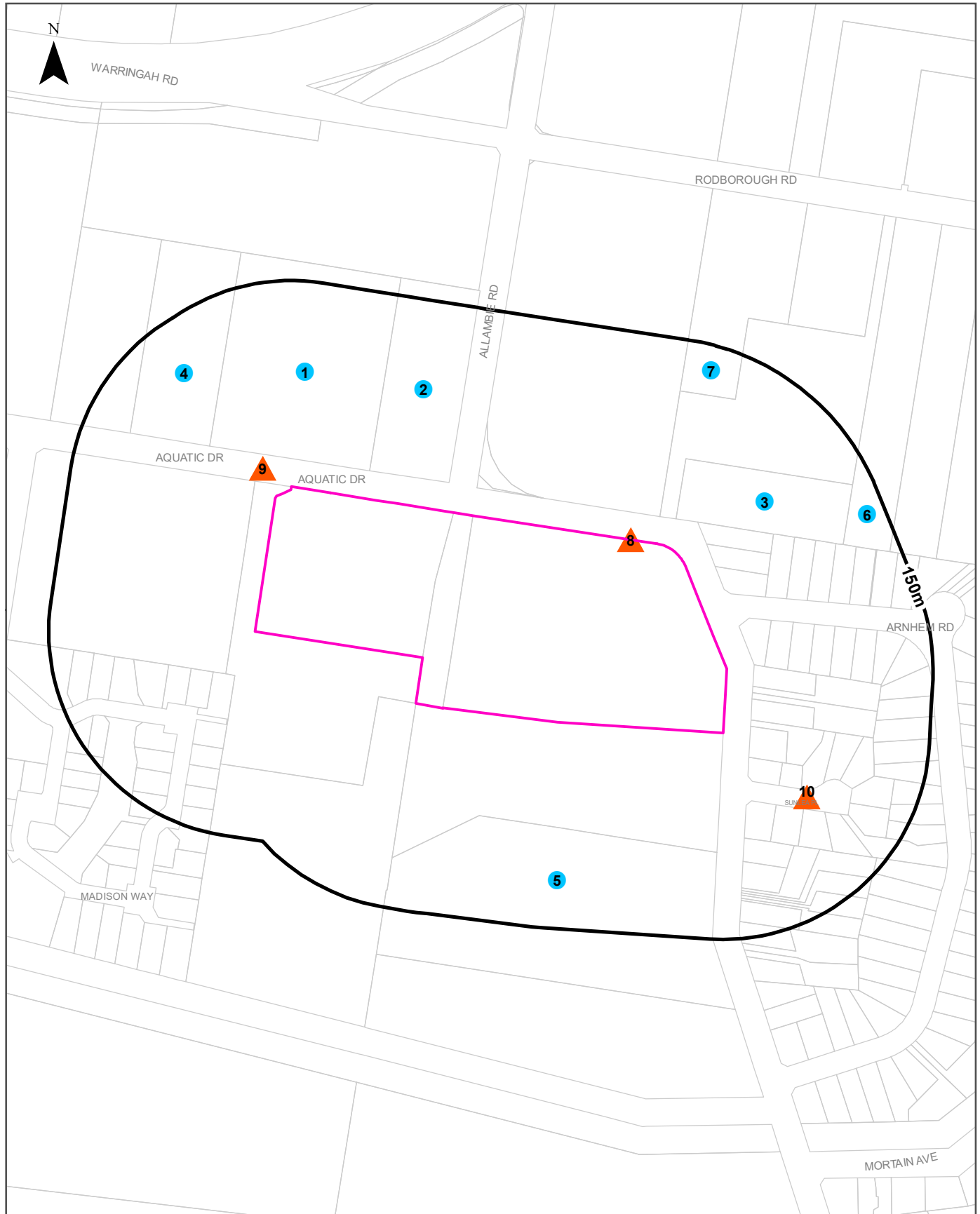
Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
12114	SILTECH PTY LTD	SILTECH PTY LTD, 15 Rodborough Road, FRENCHS FOREST	Surrendered	13/10/2005	Non-thermal treatment of hazardous and other waste	Premise Match	142m	North East
6050	ALCON LABORATORIES (AUSTRALIA) PTY LTD	10 & 11/25 FRENCHS FOREST ROAD EAST, FRENCHS FOREST, NSW 2086	Surrendered	03/04/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	329m	North
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	670m	-
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	670m	-
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	670m	-

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

Historical Business Directories

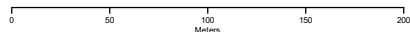
187 Allambie Road, Allambie Heights, NSW 2100



Legend

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

Scale:



Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
Property Boundaries © NSW Department Finance, Services & Innovation 2020

Historical Business Directories

187 Allambie Road, Allambie Heights, NSW 2100

Business Directory Records 1950-1991 Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1986, 1982, 1978, 1975, 1970, 1965, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	Pharmaceutical Products Mfrs &/or W/Salers	Carter Wallace (Australia) Pty. Ltd., 6 Aquatic Dr., Frenchs Forest. 2086	57064	1991	Premise Match	20m	North West
	Instrument Surveying Geodetic &/or Geophysical Mfrs &/or Imps &/or Dists	DCL Instruments Pty Ltd, Unit 3/4 Aquatic Dr., Frenchs Forest. 2086	49360	1991	Premise Match	20m	North West
	Bearings &/or Bush Mfrs &/or Imps &/or Dists	FAG Australia Pty Ltd, 4 Aquatic Dr, Frenchs Forest 2086	35844	1991	Premise Match	20m	North West
	Instrument Industrial Mfrs &/or Imps &/or Dists	Foxboro Propriety Limited, 4 Aquatic Dr., Frenchs Forest. 2086	49205	1991	Premise Match	20m	North West
	Cosmetic Mfrs &/or W/Salers	Trend Laboratories Pty. Ltd., 4 Aquatic Dr., Frenchs Forest 2086	40916	1991	Premise Match	20m	North West
	CHEMISTS-PHARMACEUTICAL -MFRS. &/OR IMPS. &/OR W/SALERS.	Carter Wallace (Australia) Pty. Ltd., 6 Aquatic Dr., Frenchs Forest. 2086	13801	1986	Premise Match	20m	North West
	BEARINGS &/OR BUSH MFRS. &/OR DISTS.	Fag Australia Pty. Ltd., 4 Aquatic Dr., Frenchs Forest. 2086	5636	1986	Premise Match	20m	North West
	INSTRUMENT-INDUSTRIAL-MFRS. &/OR IMPS. &/OR DISTS.	Foxboro Propriety Limited, 4 Aquatic Dr., Frenchs Forest. 2086	48272	1986	Premise Match	20m	North West
	INSTRUMENT-PRECISION-MFRS. &/OR IMPS. &/OR DISTS.	Foxboro Propriety Limited, 4 Aquatic Dr., Frenchs Forest. 2086	48439	1986	Premise Match	20m	North West
	PUMP MFRS. &/OR DISTS.	Hoithuis Aust Pty. Ltd., 3/4 Aquatic Dr., Frenchs Forest. 2086	78490	1986	Premise Match	20m	North West
	PUMP MFRS. &/OR DISTS.	Holthuis Australia Pty. Ltd. Unit 3, 4-6 Aquatic Drive, Frenchs Forest. 2086	78416	1986	Premise Match	20m	North West
2	Clock &/or Barometer Mfrs &/or Imps &/or Dists	Davey, J. A., 2 Aquatic Dr., Frenchs Forest 2086	39175	1991	Premise Match	20m	North
	Publishers	Reed Books Pty. Ltd., 2 Aquatic Dr, Frenchs Forest 2086	59891	1991	Premise Match	20m	North
	INSTRUMENT-MEASURING-MFRS. &/OR IMPS. &/OR DISTS.	Machtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	48388	1986	Premise Match	20m	North
	BELL &/OR CHIME MFRS. &/OR IMPS. &/OR DISTS.	Mechtric (NSW) Pty Ltd, 2 Aquatic Dr, Frenchs Forest 2086	5904	1986	Premise Match	20m	North
	VALVES &/OR COCKS - STEAM, FLUID, ETC. - MFRS. &/OR DISTS.	Mechtric (NSW) Pty. Ltd. 2 Aquatic Dr. Frenchs Forest. 2086	96984	1986	Premise Match	20m	North
	ELECTRIC SWITCH & CONTROL GEAR MFRS. &/OR IMPS. &/OR DISTS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	26815	1986	Premise Match	20m	North
	ELECTRIC TIME &/OR RECORDING SYSTEMS SPECIALISTS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	26864	1986	Premise Match	20m	North
	ENGINEERS – ELECTRICAL.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	29205	1986	Premise Match	20m	North
	FIRE PROTECTION APPLIANCES MFRS. &/OR ENGINEERS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	32980	1986	Premise Match	20m	North
	IMPORTERS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	47780	1986	Premise Match	20m	North

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
2	INSTRUMENT-ELECTRIC-MFRS. &/OR IMPS, &/OR DISTS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	48232	1986	Premise Match	20m	North
	INSTRUMENT-SCIENTIFIC-MFRS. &/OR IMPS. &/OR DISTS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	48517	1986	Premise Match	20m	North
	METER &/OR METER EQUIPMENT MFRS. &/OR IMPS. &/OR DISTS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	58990	1986	Premise Match	20m	North
	SIREN MFRS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	86936	1986	Premise Match	20m	North
	THERMOSTATIC CONTROLS MFRS. &/OR IMPS. &/OR DISTS.	Mechtric (NSW) Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	93185	1986	Premise Match	20m	North
	PUBLISHERS.	Reed, Books Pty. Ltd., 2 Aquatic Dr., Frenchs Forest. 2086	78318	1986	Premise Match	20m	North
3	Footwear Importers	DWG-Accent Pty. Ltd., 6/252 Allambie Rd., Allambie Heights 2100	46277	1991	Premise Match	21m	North East
	Dental Supplies &/or Equipment	Ebos Health & Science Pty. Ltd., 6/252 Allambie Rd., Allambie Heights 2100	41264	1991	Premise Match	21m	North East
	Computer Sales &/or Services	Imagineering Rentals, 7/252 Allambie Rd., Allambie Heights 2100	40216	1991	Premise Match	21m	North East
	Computer Hardware Mfrs &/or Imps &/or Dist	Rust Media., 2/252 Allambie Rd., Allambie Heights 2100	40094	1991	Premise Match	21m	North East
	Electrical Supplies &/or Appliances Mfrs &/or W/salers	Sampford Pty. Ltd., 9/252 Allambie Rd., Allambie Heights 2100	42723	1991	Premise Match	21m	North East
	LABELS - ADHESIVE	Advertising Lables of Aust., 252 Allambie Rd., Allambie Heights. 2100	50721	1986	Premise Match	21m	North East
	SCREEN PROCESS PRINTERS.	Advertising Stickers Of Aust., 252 Allambie Rd., Allambie Heights. 2100	85160	1986	Premise Match	21m	North East
	SCREEN PROCESS PRINTERS.	Williams Industries Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100	85250	1986	Premise Match	21m	North East
	TRANSFER MFRS.	Williams Industries Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100	95025	1986	Premise Match	21m	North East
	DICTATING MACHINES IMPS. &/OR DISTS. (D2750)	Dictating Aids Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100.	21375	1982	Premise Match	21m	North East
	OFFICE EQUIPMENT MFRS.&/OR DISTS. (O0400)	Dictating Aids Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100.	61322	1982	Premise Match	21m	North East
	TELEPHONE ANSWERING SERVICES. (T1575)	Dictating Aids Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100.	79353	1982	Premise Match	21m	North East
	TELEVISION &/OR RADIO HIRERS.(T2080)	Video Concepts, 252 Allambie Heights Rd., Allambie Heights. 2100.	79500	1982	Premise Match	21m	North East
	TELEVISION PROGRAMME PRODUCERS. (T2050)	Video Concepts, 252 Allambie Heights Rd., Allambie Heights. 2100.	79473	1982	Premise Match	21m	North East
	SCREEN PROCESS PRINTERS.(S1650)	Williams Industries Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100.	73791	1982	Premise Match	21m	North East
	TRANSFER MFRS. (T7050)	Williams Industries Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100.	81596	1982	Premise Match	21m	North East
	OFFICE EQUIPMENT MFRS. &/OR DISTS.	Dictating Aids Pty Ltd, 252 Allambie Rd, Allambie Heights 2100	54554	1978	Premise Match	21m	North East
	TELEPHONE ANSWERING SERVICES.	Dictating Aids Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100	69889	1978	Premise Match	21m	North East
	TELEVISION &/OR RADIO HIRERS.	Video Concepts, 252 Allambie Heights Rd., Allambie Heights. 2100	70036	1978	Premise Match	21m	North East
	TELEVISION PROGRAMME PRODUCERS.	Video Concepts, 252 Allambie Heights Rd., Allambie Heights. 2100	70005	1978	Premise Match	21m	North East
	SCREEN PROCESS PRINTERS.	Williams Industries Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100	65281	1978	Premise Match	21m	North East
	SCREEN PROCESS PRINTERS	Williams industries Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100	76268	1975	Premise Match	21m	North East
	TRANSFER MFRS.	Williams Industries Pty. Ltd., 252 Allambie Rd., Allambie Heights. 2100	84832	1975	Premise Match	21m	North East
	BUILDERS & CONTRACTORS (B800)	Casben Homes., 252 Allambie Rd., Allambie Heights	270009	1970	Premise Match	21m	North East
KITCHENWARE WHOLESALEERS (K070)	Monarch Kitchens Pty. Ltd., 252 Allambie Rd., Allambie Heights, 2100	322112	1970	Premise Match	21m	North East	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
4	Tile Floor &/or Wall Mfrs &/or Imps &/or Merchants	Coloroll Australia Pty Ltd, 1/8 Aquatic Dr Frenchs Forest 2086	64180	1991	Premise Match	61m	North West
	Printers Lithographic (Offset)	M.A.P.S LITHO PTY. LTD., 3/8 Aquatic Drive, Frenchs Forest. 2086	59216	1991	Premise Match	61m	North West
	Printers Lithographic (Offset)	M.A.P.S. Litho Pty. Ltd., 3/8 Aquatic Dr., Frenchs Forest. 2086	59217	1991	Premise Match	61m	North West
	Mail Order Specialists	Polybag Marketing, 2/8 Aquatic Dr., Frenchs Forest 2086	51074	1991	Premise Match	61m	North West
	PRINTERS - LITHOGRAPHIC.	M.A.P.S. Litho Pty. Ltd., 3/8 Aquatic Dr., Frenchs Forest. 2086	76747	1986	Premise Match	61m	North West
5	Sheltered Workshops	Sunnyfield Industries, 185 Allambie Rd Allambie Heights 2100	62196	1991	Premise Match	74m	South
	Toy Mfrs &/or Imps &/or Wsalers	Tree Blue, 185 Allambie Rd Allambie Heights 2100	64768	1991	Premise Match	74m	South
6	Electronic Components Mfrs &/or Imps &/or Dists	Omron Electronics, 3A, 13 Rodborough Rd., Frenchs Forest 2086	42844	1991	Premise Match	112m	East
	PUMP MFRS. &/OR DIST.	Apar Pty. Ltd. Unit 2, 13 Rodborough Road, Frenchs Forest. 2086	78414	1986	Premise Match	112m	East
	MARINE EQUIPMENT MFRS. &/OR DIST.	Apar Pty. Ltd., 2/13 Rodborough Rd., Frenchs Forest. 2086	52834	1986	Premise Match	112m	East
	PUMP MFRS. &/OR DIST.	Apar Pty. Ltd., 2/13 Rodborough Rd., Frenchs Forest. 2086	78434	1986	Premise Match	112m	East
	PUMP REPAIR SPECIALISTS.	Apar Pty. Ltd., 2/13 Rodborough Rd., Frenchs Forest. 2086	78574	1986	Premise Match	112m	East
	PHARAMACEUTICAL & INDUSTRIAL ENZYMES MFRS. DIST.	General Copiers P/L 3/13 Rodborough Road, Frenchs Forest. 2086	72679	1986	Premise Match	112m	East
	PHOTO COPYING EQUIPMENT MFRS. &/OR DIST.	General Copiers Pty. Ltd., 3/13 Rodborough Rd., Frenchs Forest. 2086	72698	1986	Premise Match	112m	East
	IMPORTERS.	Henstate Focal Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086	47677	1986	Premise Match	112m	East
	OPTICAL SUPPLIES MFRS. &/OR W/SALERS.	Henstate Focal Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086	70752	1986	Premise Match	112m	East
	PHARAMACEUTICAL & INDUSTRIAL ENZYMES MFRS. DIST.	Jansson Pharmaceutical Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086	72664	1986	Premise Match	112m	East
	TOY IMPS. &/OR W/SALERS. (T6225)	Fairchild Agencies, 13 Rodborough Rd, Frenchs Forest. 2086.	81275	1982	Premise Match	112m	East
	JEWELLERY - COSTUME MFRS.&/OR W/SALERS &/OR IMPS.(J0750)	Forest Imports, 13 Rodborough Rd., Frenchs Forest. 2086.	43863	1982	Premise Match	112m	East
	IMPORTERS. (I0750)	Henstate Focal Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	41585	1982	Premise Match	112m	East
	INSTRUMENTS - OPTICAL - MFRS.&/OR DIST. (I3210)	Henstate Focal Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	42312	1982	Premise Match	112m	East
	BELL &/OR CHIME MFRS. &/OR IMPS. &/OR DIST. (B2133)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	6791	1982	Premise Match	112m	East
	ELECTRIC METER &/OR MAINS EQUIPMENT MFRS. (E2220)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	24952	1982	Premise Match	112m	East
	ELECTRIC MOTOR MFRS. &/OR DIST. (E2370)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	25034	1982	Premise Match	112m	East
	ELECTRIC SWITCH &/OR CONTROL GEAR - MFRS. &/OR DIST. (E2820)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	25210	1982	Premise Match	112m	East
	ELECTRIC TIME &/OR RECORDING SYSTEMS SPECIALISTS. (E2880)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	25259	1982	Premise Match	112m	East
	ELECTROSTATIC PRECIPITATOR EQUIPMENT. (E5070)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	26430	1982	Premise Match	112m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
6	ENGINEERS - ELECTRICAL. (E6780)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	27335	1982	Premise Match	112m	East
	IMPORTERS. (I0750)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	41684	1982	Premise Match	112m	East
	INSTRUMENTS - ELECTRIC - MFRS.&/OR DIST. (I2840)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	42141	1982	Premise Match	112m	East
	INSTRUMENTS - MEASURING - MFRS. &/OR IMPS. &/OR DIST.-(I3100)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	42267	1982	Premise Match	112m	East
	INSTRUMENTS - SCIENTIFIC MFRS.&/OR DIST. &/OR IMPS. (I3350)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	42396	1982	Premise Match	112m	East
	METER &/OR METER EQUIPMENT MFRS. &/OR IMPS. &/OR DIST.(M2860)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	52005	1982	Premise Match	112m	East
	SIREN MFRS. (S3660)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	74997	1982	Premise Match	112m	East
	THERMOSTATIC CONTROLS MFRS.&/OR IMPS. &/OR DIST. (T3850)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	79990	1982	Premise Match	112m	East
	VALVES &/ OR COCKS - STEAM, FLUID ETC., - MRFS &/OR DIST (V0900)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	83167	1982	Premise Match	112m	East
	ELECTRIC CIRCUIT BREAKERS MFRS. &/OR DIST. (E1020)	Mechtric (NSW) Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	24582	1982	Premise Match	112m	East
	JEWELLERS - MFRG. &/OR W/SALERS &/OR IMPS. (J0400)	Providence Trading Company, 13 Rodborough Rd., Frenchs Forest. 2086.	43364	1982	Premise Match	112m	East
	PUMP MFRS. &/OR DIST. (P9420)	Pumptec Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086.	68067	1982	Premise Match	112m	East
	TOY IMPS. &/OR W/SALERS.	Fairchild Agencies, 13 Rodborough Rd, Frenchs Forest. 2086	71781	1978	Premise Match	112m	East
	IMPORTERS.	Fairchild Agencies, 13 Rodborough Rd., Frenchs Forest. 2086	36860	1978	Premise Match	112m	East
	PUMPS MFRS. &/OR DIST	Pumptec Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086	60828	1978	Premise Match	112m	East
	CENTRIFUGE MFRS. &/OR DIST.	Centrifuge Engineering Pty. Ltd. 13 Rodborough Road, Frenchs Forest. 2086	14239	1975	Premise Match	112m	East
	ABATTOIRS MACHINERY SUPPLIES &/OR MFRS.	Centrifuge Engineering Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086	13	1975	Premise Match	112m	East
	OIL HEATING DOMESTIC &/OR INDUSTRIAL	Centrifuge Engineering Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086	64694	1975	Premise Match	112m	East
	SCREEN MFRS-VIBRATING	Separation Engineers Pty. Ltd., 13 Rodborough Rd., Frenchs Forest 2086	76178	1975	Premise Match	112m	East
	ABATTOIRS MACHINERY SUPPLIES &/OR MFRS.	Separation Engineers Pty. Ltd., 13 Rodborough Rd., Frenchs Forest. 2086	20	1975	Premise Match	112m	East
SCREEN MFRS-VIBRATING	Separation Engineers Pty. Ltd., 13 Rodborough Road., Frenchs Forest 2086	76175	1975	Premise Match	112m	East	
7	Fibre Optics &/or Testing Equipment Mfrs &/or Imps &/or Dist	Integral Fibre Systems Pty Ltd, Unit 6/9 Rodborough Rd Frenchs Forest 2086	45459	1991	Premise Match	113m	North East
	EXPORTERS.	Coca-Cola Export Corp., The, 9 Rodborough Rd., Frenchs Forest. 2086	26832	1978	Premise Match	113m	North East
	EXPORTERS.	Coca-Cola Export Corp., The, 9 Rodborough Rd., Frenchs Forest. 2086	30984	1975	Premise Match	113m	North East

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Business Directory Records 1950-1991 Road or Area Matches

Universal Business Directory records from years 1991, 1986, 1982, 1978, 1975, 1970, 1965, 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
8	Cosmetic Mfrs &/or W/Salers	Enuirolabs Pty. Ltd., 191 Allambie Rd., Frenchs Forest 2086	40892	1991	Road Match	0m
	Engineers Communications	LSE Technology Pty Ltd, 191 Allambie Rd Frenchs Forest 2086	43413	1991	Road Match	0m
	Air Control Equipment	Telemecanique (Aust.) Pty. Ltd., 193 Allambie Rd., Frenchs Forest 2086	34060	1991	Road Match	0m
	Electric Switch & Control Gear Flame &/or Dust Ignition Proof Mfrs &/or Imps &/or Dists	Telemecanique (Aust.) Pty. Ltd., 193 Allambie Rd., Frenchs Forest 2086	42263	1991	Road Match	0m
	Electric Switch & Control Gear Mfrs &/or Imps &/or Dists	Telemecanique (Aust.) Pty. Ltd., 193 Allambie Rd., Frenchs Forest 2086	42324	1991	Road Match	0m
	Electric Terminal Mfrs &/or Dists	Telemecanique (Aust.) Pty. Ltd., 193 Allambie Rd., Frenchs Forest 2086	42336	1991	Road Match	0m
	Electronic Equipment Mfrs &/or Dists	Telemecanique (Aust.) Pty. Ltd., 193 Allambie Rd., Frenchs Forest 2086	43026	1991	Road Match	0m
	Pneumatic Equipment &/or Machinery Mfrs &/or Dists	Telemecanique (Aust.) Pty. Ltd., 193 Allambie Rd., Frenchs Forest. 2086	58385	1991	Road Match	0m
	Display & Exhibition Equipment &/or Supplies	Young, E. V. Pty. Ltd., 4/191 Allambie Rd., Frenchs Forest 2086	41580	1991	Road Match	0m
	MEDICAL PRACTITIONERS.	Edwards, R., 128 Peninsular Medical Centre, Allambie Rd., Allambie Heights. 2100.	54679	1986	Road Match	0m
	HI-FIDELITY EQUIPMENT SALES &/OR SERVICE.	Pioneer Electronics Australia Pty. Ltd., 193 Allambie Rd., Frenchs Forest. 2086	45638	1986	Road Match	0m
	GIFT SHOPS. (G3350)	Boronia Shopping Centre, Allambie Rd., Allambie Heights. 2100.	36122	1982	Road Match	0m
	MEDICAL PRACTITIONERS. (M2020)	Edwards, R, 128 Peninsular Medical Centre, Allambie Rd., Allambie Heights. 2100.	47975	1982	Road Match	0m
	GROCERS - RETAIL. (G7850)	Franklin Shopping Centre, Allambie Rd., Allambie Heights. 2100.	37653	1982	Road Match	0m
	BEAUTY SALONS &/OR LADIES HAIRDRESSERS. (B2000)	Jasons Salon. Shopping Centre, Allambie Rd., Allambie Heights. 2100.	5926	1982	Road Match	0m
	CAKE SHOPS &/OR PASTRYCOOKS.	Aliambie Cakes. Shopping Centre, Allambie Rd., Allambie Heights. 2100	10699	1978	Road Match	0m
	BUTCHERS-RETAIL.	Allambie Meat Market, Allambie Rd., Allambie Heights. 2100	8824	1978	Road Match	0m
	MEDICAL PRACTITIONERS.	Edwards, R., 128 Peninsular Medical Centre, Allambie Rd., Allambie Heights. 2100	42708	1978	Road Match	0m
	NEWSAGENTS-GENERAL.	Pollocks Newsagency Shopping Centre, Allambie Rd, Allambie Heights 2100	54073	1978	Road Match	0m
	CHEMISTS-PHARMACEUTICAL.	Troys Pharmacy, Shopping Centre, Allambie Rd., Allambie Heights. 2100	13910	1978	Road Match	0m
	HEALTH CENTRES & OR CLINICS	Allambie Heights Baby Health Centre, Shopping Centre, Allambie Rd., Allambie Heights. 2100	41586	1975	Road Match	0m
	BUTCHERS-RETAIL	Allambie Heights Butchery, Allambie Rd., Allambie Heights. 2100	9960	1975	Road Match	0m
	FRUITERERS &/OR GREENGROCERS.	Allambie Heights Fruit & Vegetables, Shopping Centre, Allambie Rd., Allambie Heights. 2100	34897	1975	Road Match	0m
	FISH MERCHANTS-RETAIL	Allambie Heights Golden Fish & Chip Shop, The, Allambie Rd., Allambie Heights. 2100	32254	1975	Road Match	0m
	GIFT SHOPS.	Allambie Heights Hardware., Shopping Centre., Allambie Rd., Allambie Heights. 2100.	37959	1975	Road Match	0m
	HEALTH FOODS-RETAIL	Allambie Heights Health Foods, Shopping Centre, Allambie Rd., Allambie Heights. 2100	41749	1975	Road Match	0m
	MILK, FRUIT JUICE BARS &/OR CONFECTIONERS.	Allambie Heights Milk Bar., Shopping Centre., Allambie Rd., Allambie Heights. 2100	53181	1975	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
8	CAKE SHOPS &/OR PASTRYCOOKS.	Allamble Cakes, Shopping Centre, Allambie Rd., Allambie Heights. 2100	12406	1975	Road Match	0m
	BEAUTY SALONS &/OR LADIES HAIRDRESSERS.	Beckies Hair Boutique, Shopping Centre, Allambie Rd., Allambie Heights. 2100	4989	1975	Road Match	0m
	MEDICAL PRACTITIONERS.	Edwards, R., Peninsular Medical Centre, Allambie Rd., Allambie Heights. 2100.	50202	1975	Road Match	0m
	MEDICAL PRACTITIONERS.	George, J., Peninsular Medical Centre., Allambie Rd., Allambie Heights. 2100.	50366	1975	Road Match	0m
	DENTISTS.	Kaufman, J. L., Shopping Centre, Allambie Rd., Allambie Heights. 2100	21084	1975	Road Match	0m
	BABY &/OR CHILDRENS WEAR- RETAIL	Marie Louise, Shopping Centre, Allambie Rd., Allambie Heights. 2100	3886	1975	Road Match	0m
	DRAPER-RETAIL	Marie Louise, Shopping Centre, Allambie Rd., Allambie Heights. 2100	22583	1975	Road Match	0m
	HABERDASHERY-RETAIL	Marie Louise., Shopping Centre., Allambie Rd., Allambie Heights. 2100	40197	1975	Road Match	0m
	VACCINE MFRS.	Matten. V E. & E. J. Shopping Centre, Allambie Rd., Allambie Heights. 2100	85889	1975	Road Match	0m
	BUTCHERS-RETAIL	O'Briens Butchery, Shopping Centre, Allambie Rd., Allambie Heights 2100	10931	1975	Road Match	0m
	RESTAURANTS.	Plum blossom Restaurant, Shopping Centre., Allambie Rd., Allambie Heights. 2100	74057	1975	Road Match	0m
	TAKE-AWAY FOODS.	Plumblossom Restaurant, Shopping Centre., Allambie Rd., Allambie Heights. 2100	82014	1975	Road Match	0m
	HOSTELS.	Spastic Centre Hostel., Allambie Rd., Allambie Heights. 2100	42527	1975	Road Match	0m
	CHEMISTS-PHARMACEUTICAL	Troys Pharmacy Shopping Centre, Allambie Rd., Allambie Heights. 2100	15995	1975	Road Match	0m
	PHOTOGRAPHIC SUPPLIES.	Troys Pharmacy. Shopping Centre., Allambie Rd., Allambie Heights. 2100	66994	1975	Road Match	0m
	FRUITERERS &/OR GREENGROCERS.	Vozzo, Shopping Centre., Allambie Rd., Allambie Heights. 2100.	35970	1975	Road Match	0m
	MOTOR SERVICE STATIONS- PETROL,OIL,Etc.	BP Allambie Heights Service Station., Allambie Rd., ALLAMBIE HEIGHTS	340867	1970	Road Match	0m
	BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260)	L'Adoree Salon., Allambie Rd., Allambie Heights	266161	1970	Road Match	0m
	BEAUTY SALONS &/OR LADIES' HAIRDRESSERS (B260)	L'Adoree Salon., Allambie Rd., Allambie Heights	266162	1970	Road Match	0m
	HOSTELS (H630)	Spastic Centre Hostel for Country Children., Allambie Rd., Allambie Heights	316851	1970	Road Match	0m
Hostels	Spastic Centre Hostel for Country Children, Allambie Rd., Allambie Heights	101163	1965	Road Match	0m	
9	CLUBS &/OR SPORTING BODIES.	Warringah Aquatic Centre, Aquatic Dr., Frenchs Forest. 2086	18997	1986	Road Match	0m
10	BUILDERS & CONTRACTORS (B800)	Cannon, R., Lot 2, Sunlea Pl., Allambie Heights	270001	1970	Road Match	41m
	DOOR MANUFACTURERS (D480)	Cannon, R., Lot 2, Sunlea PL., Allambie Heights	290110	1970	Road Match	41m
	JOINERY MERCHANTS (J250)	Cannon, R., Lot 2, Sunlea Place., Allambie Heights	321940	1970	Road Match	41m

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Dry Cleaners, Motor Garages & Service Stations

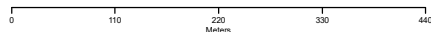
187 Allambie Road, Allambie Heights, NSW 2100



Legend

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

Scale:



Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018
Property Boundaries © NSW Department Finance, Services & Innovation 2020

Historical Business Directories

187 Allambie Road, Allambie Heights, NSW 2100

Dry Cleaners, Motor Garages & Service Stations 1948-1993 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.

Note: The Universal Business Directories were published between 1948 and 1993. Dry Cleaners, Motor Garages & Service Stations have been extracted from all of these directories except the following years 1951, 1955, 1957, 1960, 1963, 1973, 1974, 1977, 1987.

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

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Dry Cleaners, Motor Garages & Service Stations 1948-1993 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.

Note: The Universal Business Directories were published between 1948 and 1993. Dry Cleaners, Motor Garages & Service Stations have been extracted from all of these directories except the following years 1951, 1955, 1957, 1960, 1963, 1973, 1974, 1977, 1987.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
1	DRY CLEANERS & PRESSERS.	Allambie Dry Cleaners, Shopping Center, Allambie Rd., Allambie Heights. 2100	52983	1988	Road Match	0m
	DRY CLEANERS & PRESSERS.	Elite Dry Cleaners Shopping Centre, Allambie Rd., Allambie Heights. 2100	34508	1985	Road Match	0m
	DRY CLEANERS & PRESSERS.	Elite Dry Cleaners, Shopping Centre., Allambie Rd., Allambie Heights. 2100	63302	1981	Road Match	0m
	DRY CLEANERS, PRESSERS &/OR DYERS.	Elite Dry Cleaners, Shopping Centre., Allambie Rd., Allambie Heights. 2100	46734	1980	Road Match	0m
	DRY CLEANERS, PRESSERS &/OR DYERS.	Elite Dry Cleaners Shopping Centre., Allambie Rd., Allambie Heights. 2100.	35331	1979	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL,OIL,ETC.	BP Allambie Heights Service Station., Allambie Rd., ALLAMBIE HEIGHTS	340867	1970	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	BP Allambie Heights Service Station., Allambie Rd., Allambie Heights	47419	1969	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	BP Allambie Heights Service Station., Allambie Rd., Allambie Heights	30844	1968	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	BP Allambie Heights Service Station., Allambie Rd Alexandria	15323	1967	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	BP Allambie Heights Service Station., Allambie Rd Alexandria	60989	1966	Road Match	0m
2	MOTOR GARAGES & SERVICE STATIONS.	Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086	18972	1993	Road Match	273m
	Motor Garages & Service Stations	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest 2086	53720	1991	Road Match	273m
	MOTOR GARAGES & SERVICE STATIONS.	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086	11549	1990	Road Match	273m
	MOTOR GARAGE & SERVICE STATIONS.	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086	65007	1989	Road Match	273m
	MOTOR GARAGES & SERVICE STATIONS.	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086	59225	1988	Road Match	273m
	MOTOR GARAGES & SERVICE STATIONS.	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086	64627	1986	Road Match	273m
	MOTOR GARAGES & SERVICE STATIONS.	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086	39626	1985	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086	28206	1984	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Frenchs Forest Service Station., Warringah Rd., Frenchs Forest 2086	14630	1983	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Esso Frenchs Forest Service Station, Warringah Rd., Frenchs Forest. 2086.	56695	1982	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Frenchs Forest Service Station., Warringah Rd., Frenchs Forest. 2086	3248	1981	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Frenchs Forest Service Station., Warringah Rd., Frenchs Forest. 2086	52896	1980	Road Match	273m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
2	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter., Warringah Rd., Frenchs Forest. 2086.	41449	1979	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter, Warringah Rd., Frenchs Forest. 2086	49989	1978	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter., Warringah Rd., Frenchs Forest 2086	29946	1976	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS.	Esso Servicenter., Warringah Rd., Frenchs Forest. 2086	58827	1975	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS.	Esso Servicecenter., Warringah Rd Frenchs Forest	12197	1972	Road Match	273m
	MOTOR GARAGES &/OR ENGINEERS.	Esso Servicecenter., Warringah Rd Frenchs Forest	56811	1971	Road Match	273m
	MOTOR GARAGES & ENGINEERS(M6S6)	Esso Servicenter., Warringah Rd., FRENCH'S FOREST	337772	1970	Road Match	273m
	MOTOR GARAGES & ENGINEERS.	Esso Servicenter., Warringah Rd Frenchs Forest	42223	1969	Road Match	273m
	MOTOR GARAGES & ENGINEERS	Esso Servicenter., Warringah Rd Frenchs Forest	25749	1968	Road Match	273m
	MOTOR GARAGES & ENGINEERS.	Esso Servicenter., Warringah Rd Frenchs Forest	10252	1967	Road Match	273m
	MOTOR GARAGE/ENGINEERS.	Daines Service Station., Warringah Rd Frenchs Forest	930	1958	Road Match	273m



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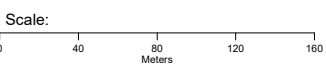
Aerial Imagery 2020

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56



Date: 21 July 2020

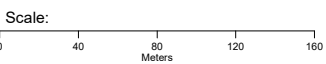
Aerial Imagery 2014

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56



Date: 21 July 2020

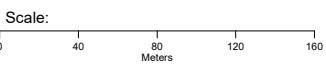
Aerial Imagery 2009

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56



Date: 21 July 2020

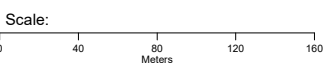
Aerial Imagery 2000

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56



Date: 21 July 2020

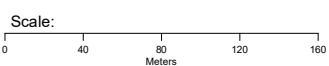
Aerial Imagery 1994

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer150m



Data Source Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56



Date: 20 July 2020

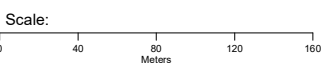
Aerial Imagery 1991

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



Data Source Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56



Date: 21 July 2020

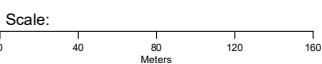
Aerial Imagery 1986

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer150m



Data Source Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56



Date: 20 July 2020

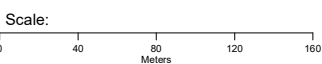
Aerial Imagery 1982

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



Data Source Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56


Date: 21 July 2020

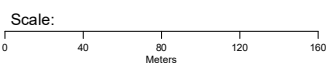
Aerial Imagery 1978

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer150m



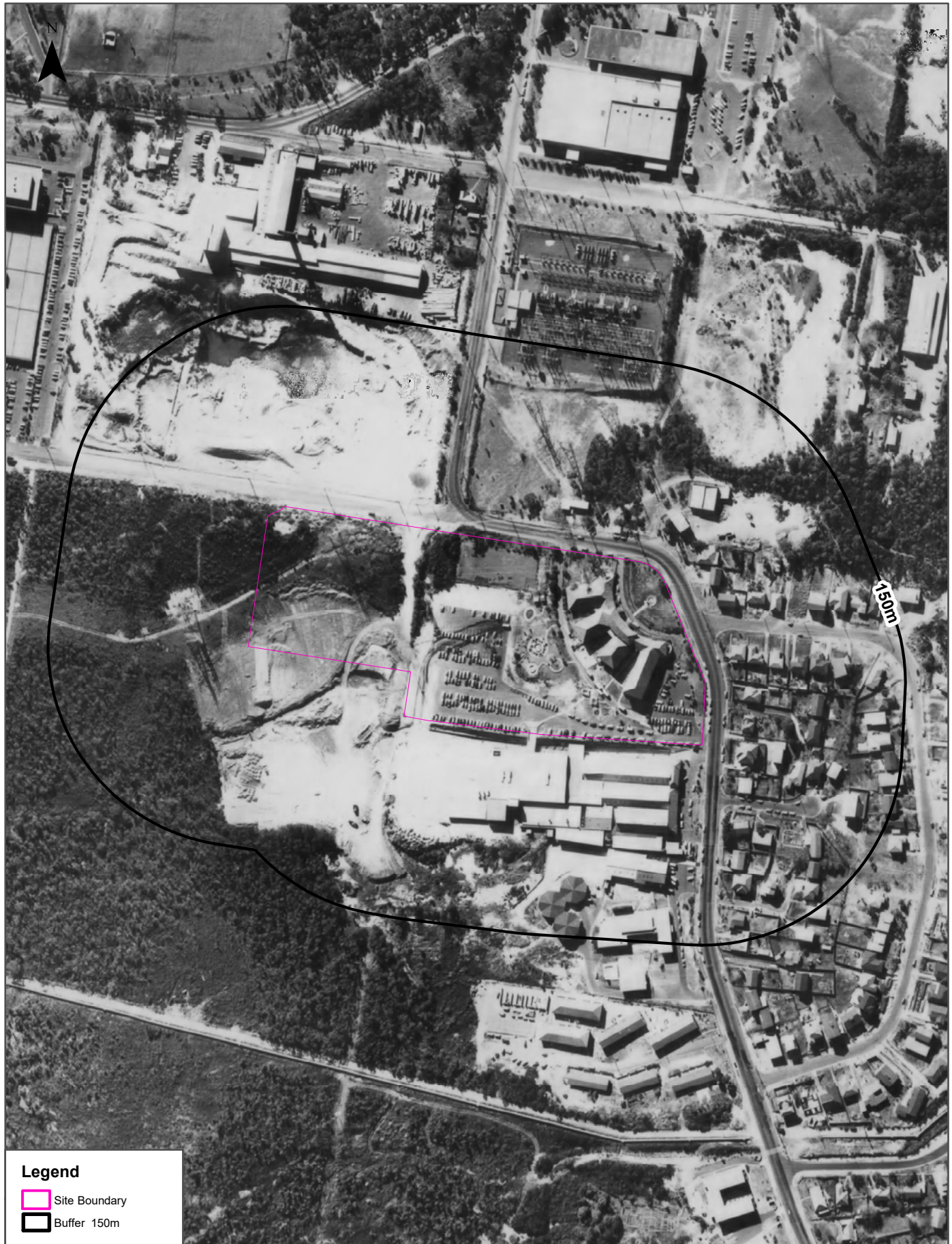
Data Source Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56



Date: 20 July 2020

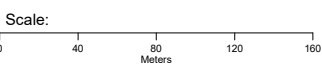
Aerial Imagery 1970

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



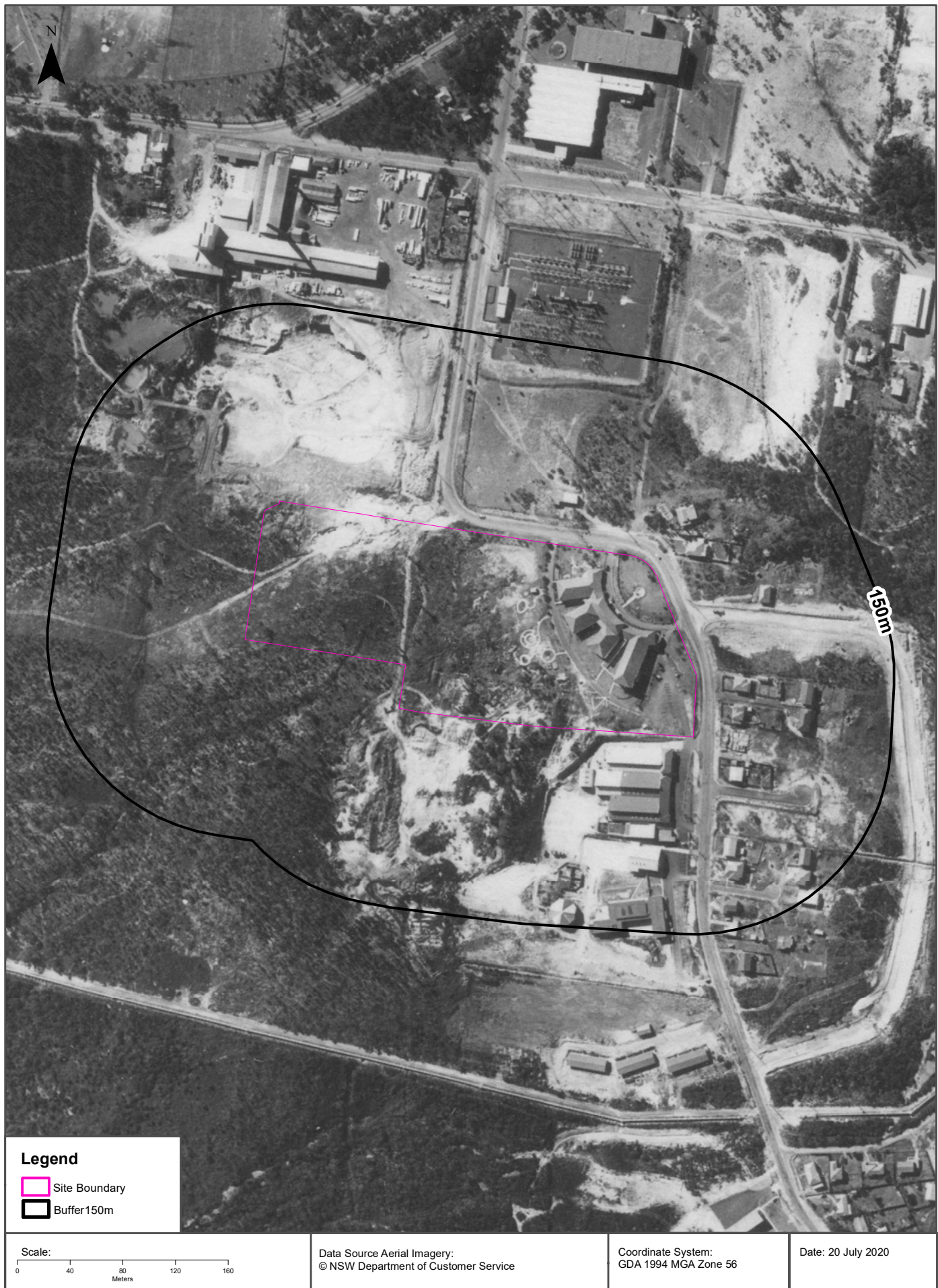
Data Source Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

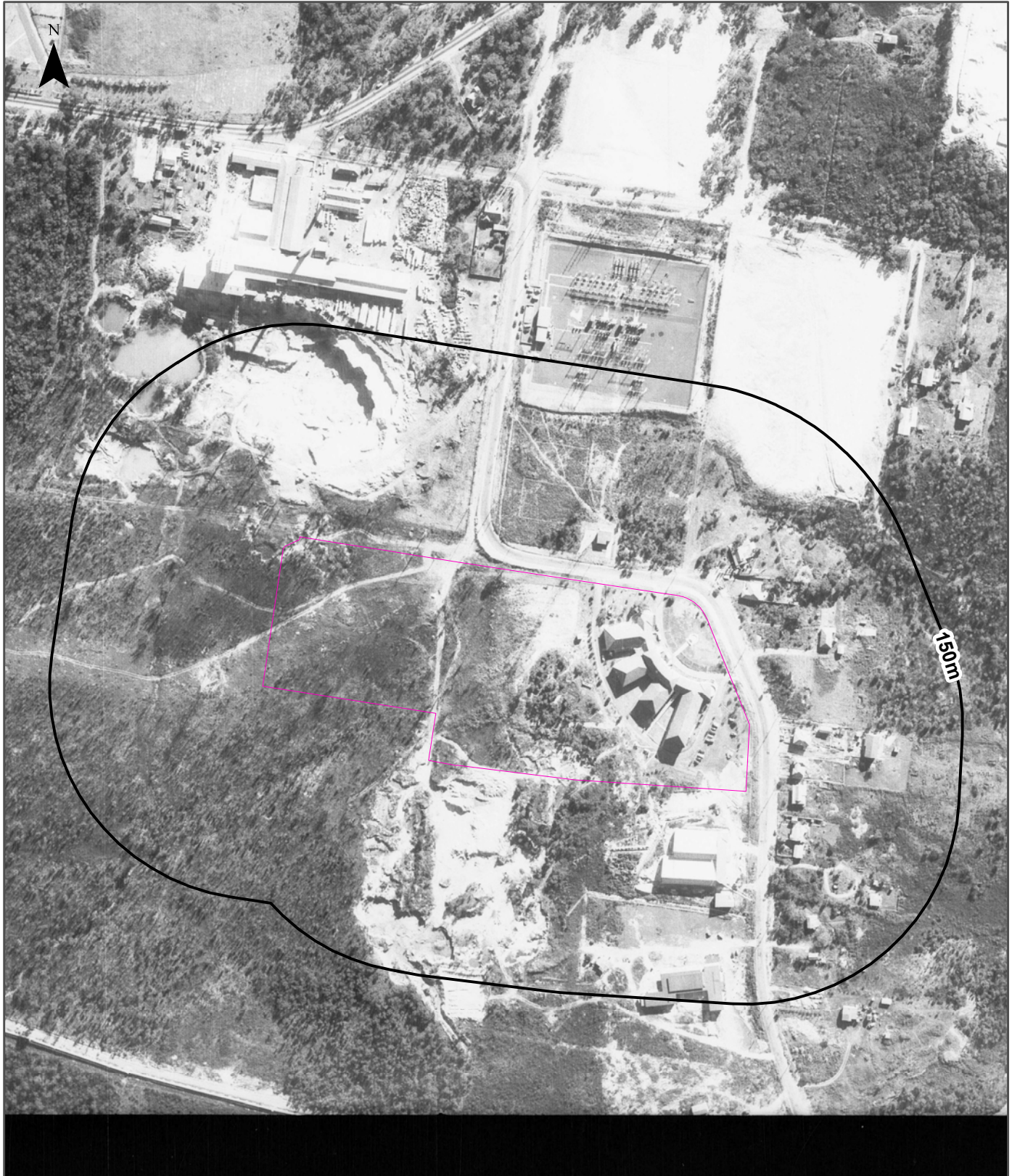
Aerial Imagery 1965

187 Allambie Road, Allambie Heights, NSW 2100





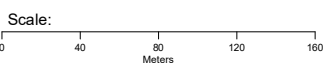
Aerial Imagery 1961

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer150m



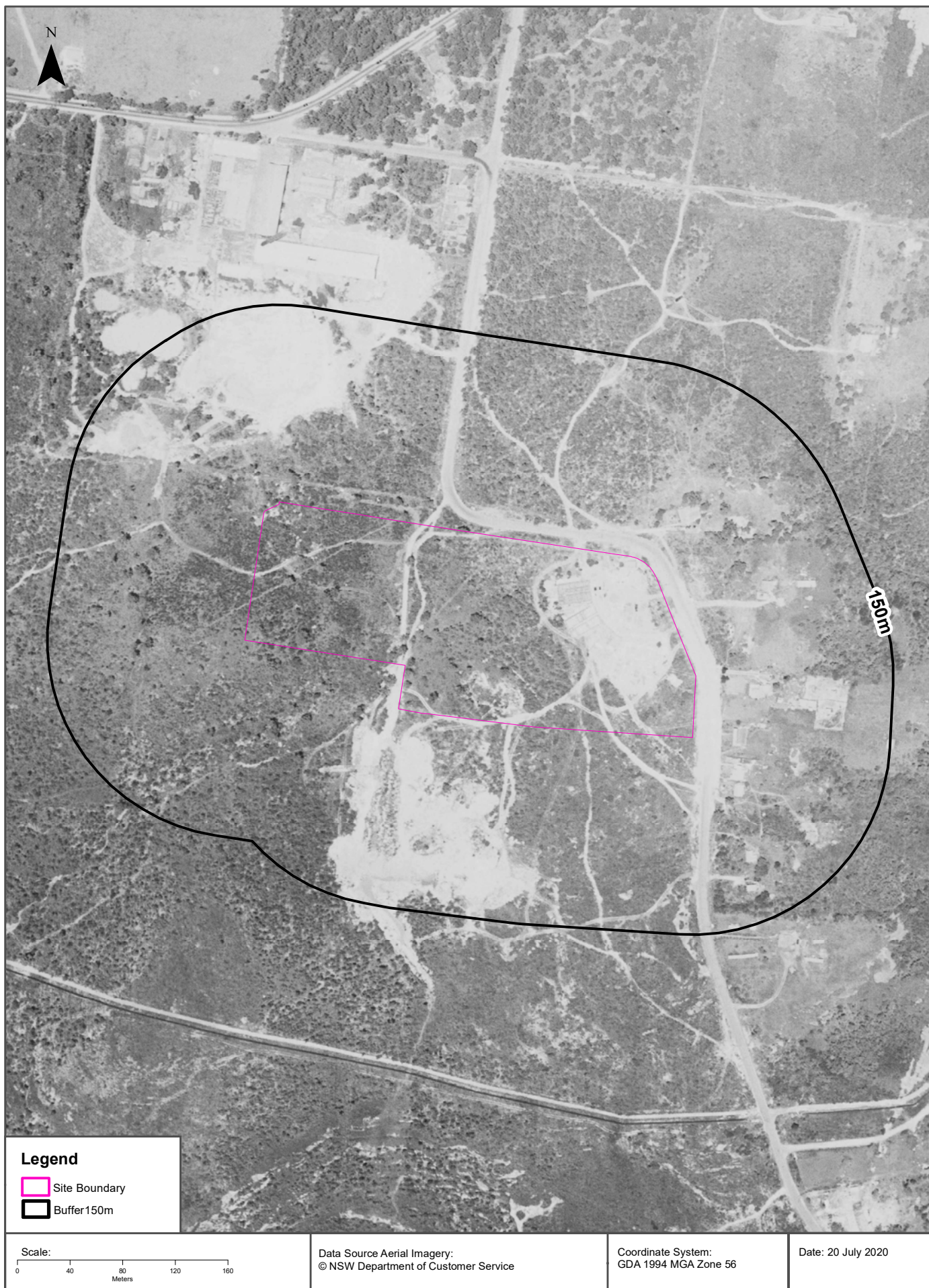
Data Source Aerial Imagery:
© NSW Department of Customer Service

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

Aerial Imagery 1956

187 Allambie Road, Allambie Heights, NSW 2100



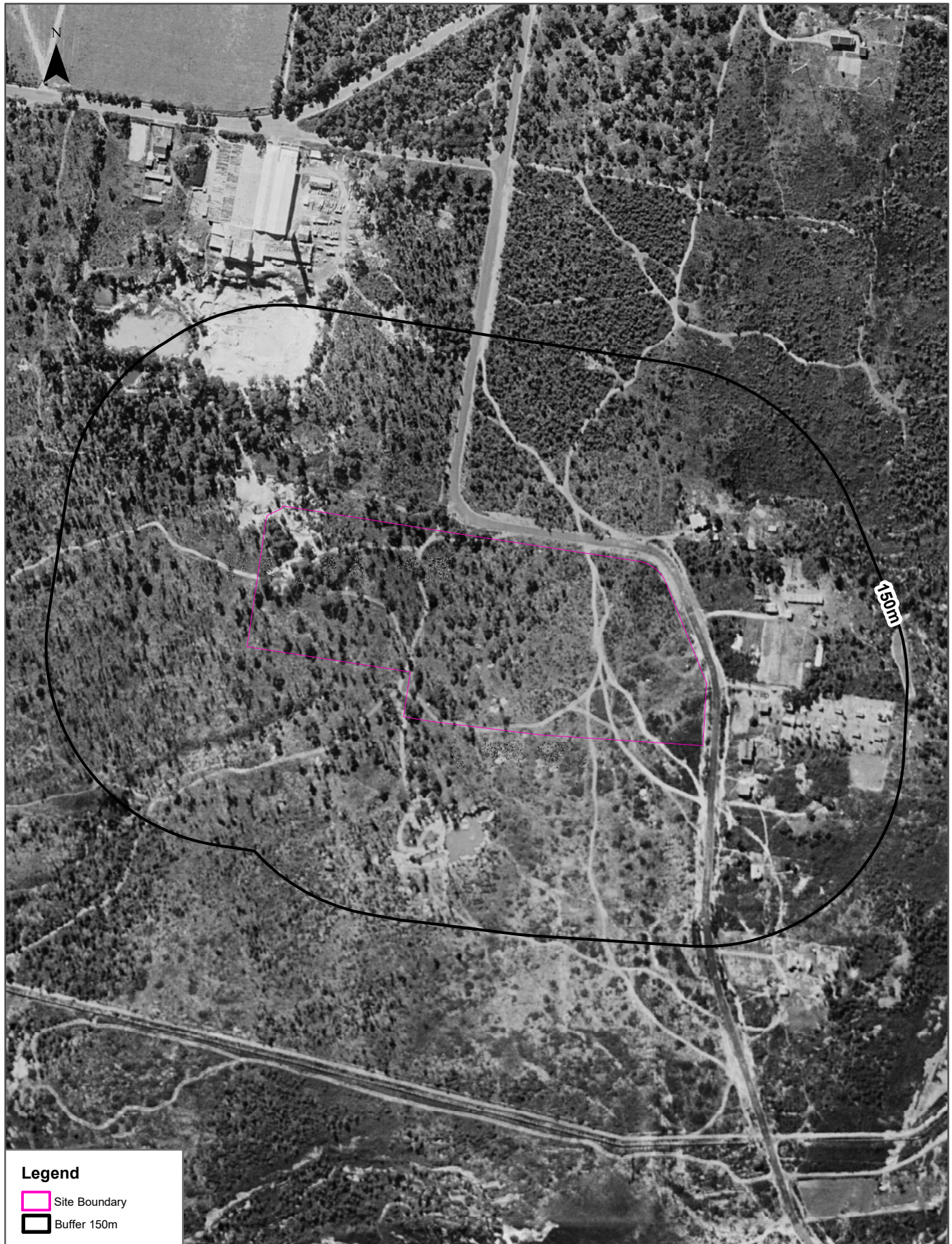
Aerial Imagery 1951

187 Allambie Road, Allambie Heights, NSW 2100





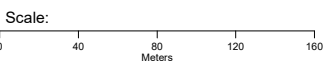
Aerial Imagery 1943

187 Allambie Road, Allambie Heights, NSW 2100



Legend

-  Site Boundary
-  Buffer 150m



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

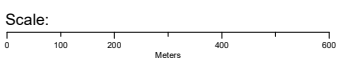
Topographic Map 2015

187 Allambie Road, Allambie Heights, NSW 2100



Legend

- Site Boundary
- Buffer 1000m



Data Sources: Topographic Map Data
© NSW Land and Property Information

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

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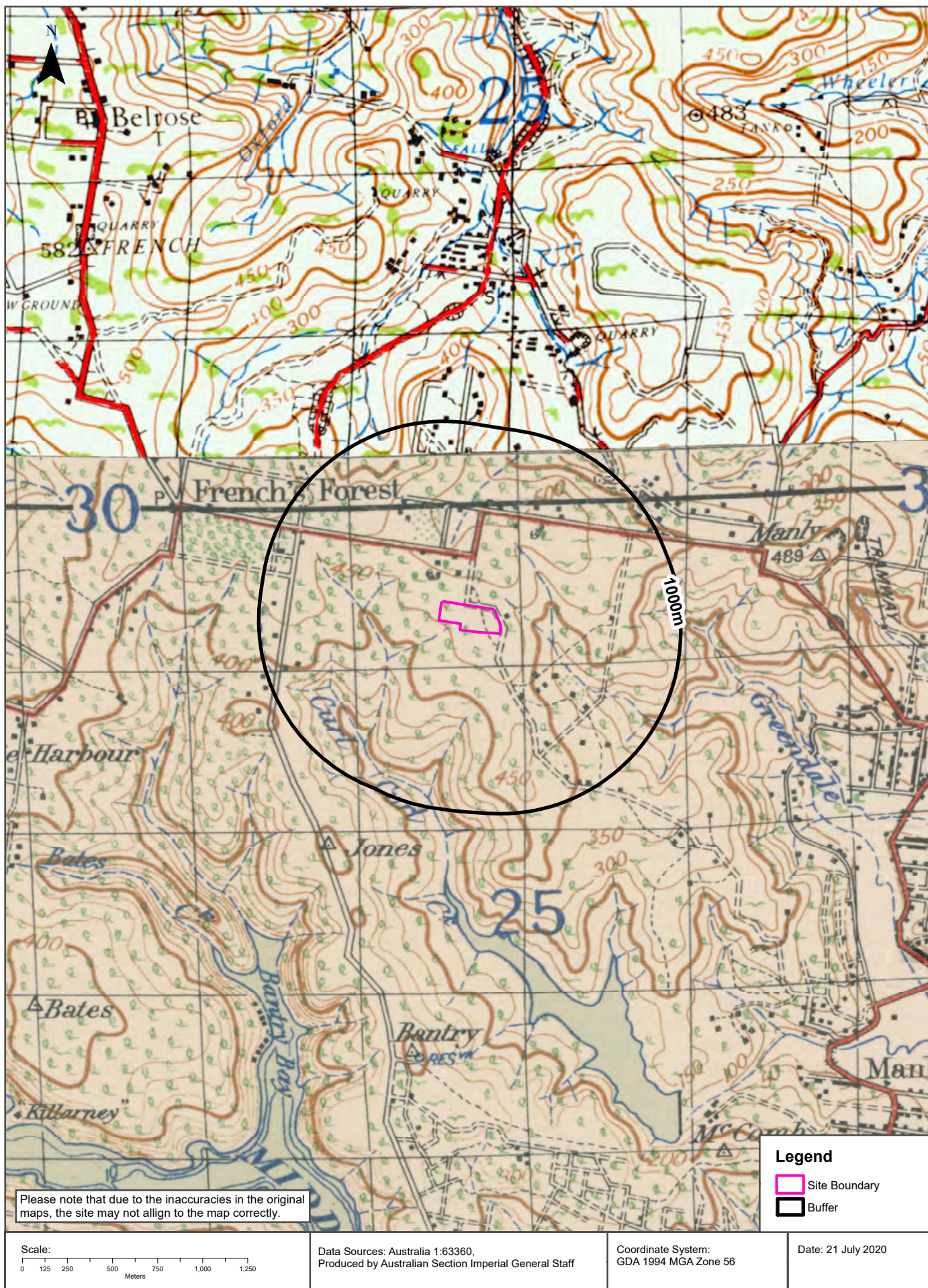
Historical Map 1975

187 Allambie Road, Allambie Heights, NSW 2100



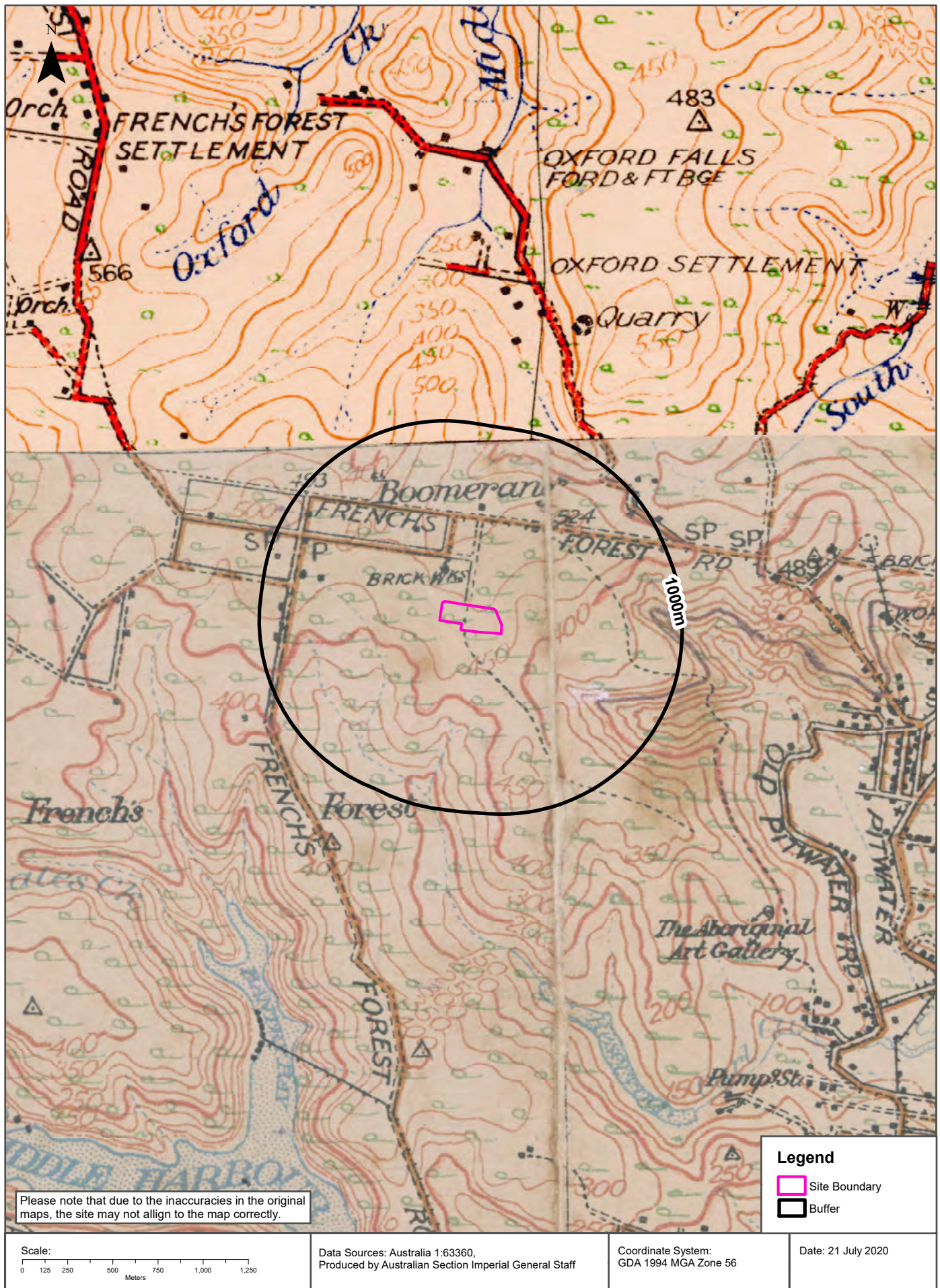
Historical Map c.1936 - 1942

187 Allambie Road, Allambie Heights, NSW 2100



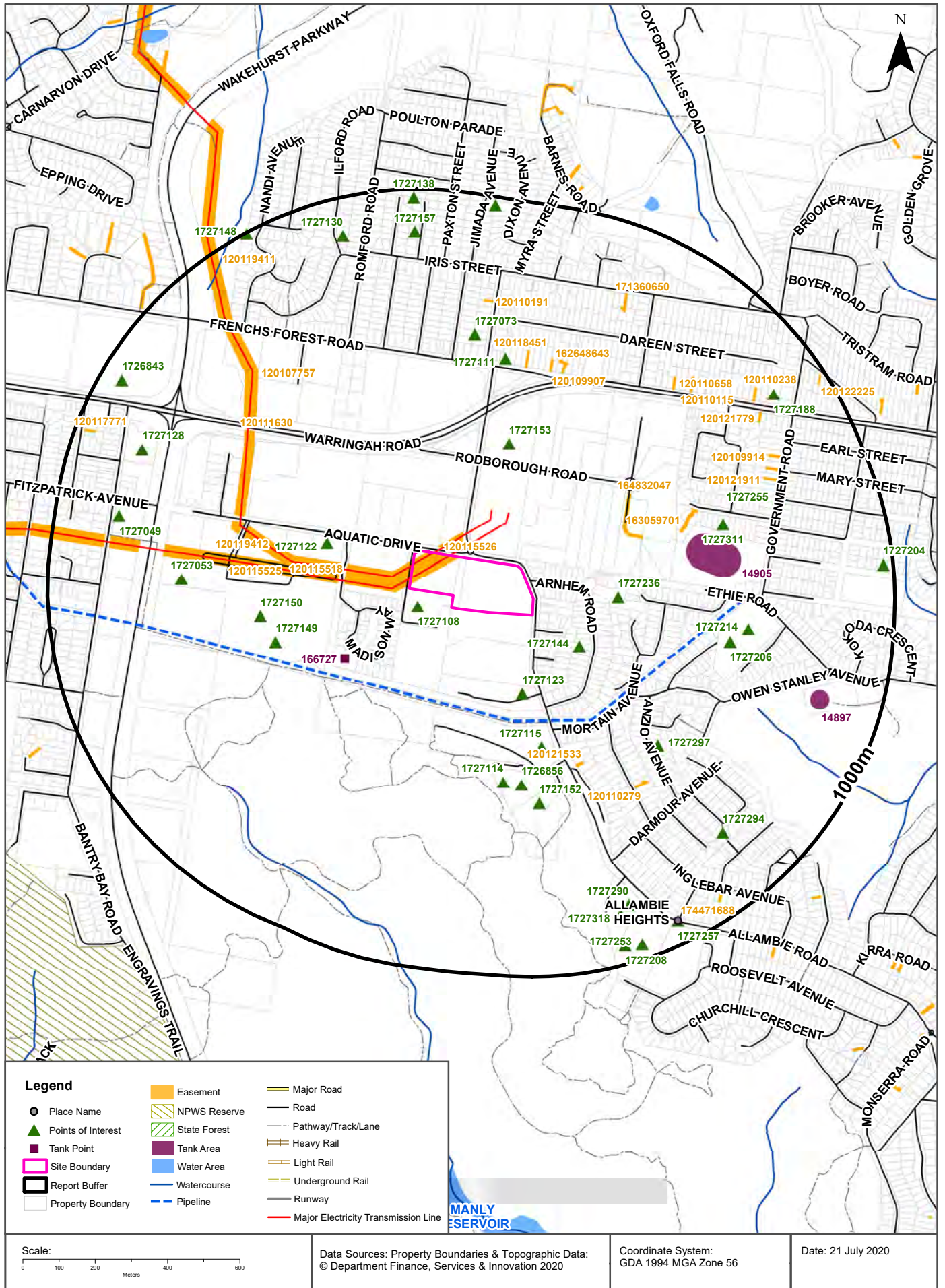
Historical Map c.1917 - 1920

187 Allambie Road, Allambie Heights, NSW 2100



Topographic Features

187 Allambie Road, Allambie Heights, NSW 2100



Topographic Features

187 Allambie Road, Allambie Heights, NSW 2100

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1727108	Special School	ARRANOUNBAI SCHOOL	46m	South West
1727144	Park	ARNHEM ROAD RESERVE	156m	South East
1727123	Retirement Village	FRED HUTLEY VILLAGE	219m	South East
1727236	Park	LAE RESERVE	234m	East
1727122	Retirement Village	EUROBODALLA HOMES FRENCHS FOREST	243m	West
1727153	Post Office	FRENCHS FOREST POST BUSINESS CENTRE	329m	North
1727115	Retirement Village	WILLIAM CHARLTON VILLAGE	366m	South East
1727149	Sports Court	AQUATIC RESERVE SKATE PARK	398m	West
1727150	Sports Field	AQUATIC RESERVE	418m	West
1727114	Retirement Village	ALLAMBIE HEIGHTS VILLAGE	467m	South
1726856	Nursing Home	ALLAMBIE HEIGHTS VILLAGE RESIDENTIAL AGED CARE FAC	470m	South
1727297	Park	F J MACHON RESERVE	500m	South East
1727152	Retirement Village	DRUID'S COURT	520m	South
1727206	Park	Park	551m	East
1727111	Post Office	FRENCHS FOREST EAST POST OFFICE	561m	North
1727311	Park	MILLS RESERVE	562m	East
1727214	Park	GOROKA PARK	598m	East
1727073	Park	PATANGA PARK	614m	North
1727053	Swimming Pool	WARRINGAH AQUATIC CENTRE	629m	West
1727255	Suburb	BEACON HILL	731m	East
1727294	Park	CANEA RESERVE	799m	South East
1727128	Park	BRICK PIT RESERVE	805m	West
1727049	Place Of Worship	ANGLICAN CHURCH	822m	West
1727290	Retirement Village	SCALABRINI VILLAGE ALLAMBIE HEIGHTS	845m	South East
1727188	Place Of Worship	PRESBYTERIAN CHURCH	848m	North East
1727318	Nursing Home	SCALABRINI VILLAGE ALLAMBIE HEIGHTS	863m	South East
1727157	Child Care Centre	FRENCHS FOREST KINDERGARTEN	882m	North
1727130	Park	ILFORD RESERVE	894m	North
1727257	Suburb	ALLAMBIE HEIGHTS	936m	South East
1726843	Community Medical Centre	FRENCHS FOREST COMMUNITY HEALTH CENTRE	940m	North West
1727208	Park	ALLAMBIE HEIGHTS RESERVE	948m	South East

Map Id	Feature Type	Label	Distance	Direction
1727253	Sports Field	OVAL	959m	South East
1727204	Park	Park	972m	East
1727137	Park	JIMADA RESERVE	977m	North
1727138	Park	COSTER RESERVE	977m	North
1727148	Park	NANDI RESERVE	995m	North West

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

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Topographic Features

187 Allambie Road, Allambie Heights, NSW 2100

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
14905	Water	Operational	BEACON HILL RESERVOIR	01/01/2009	439m	East
14897	Water	Operational		01/01/2009	801m	East

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
166727	Water	Operational		01/01/2009	263m	South West

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
120115526	Primary	Undefined		0m	Onsite
120115518	Primary	Undefined		0m	Onsite
120115525	Primary	Undefined		198m	West
120119412	Primary	Undefined		198m	West
164832047	Primary	Right of way	variable	304m	East
120121533	Primary	Undefined		428m	South East
163059701	Primary	Right of way	Variable	446m	East
120111630	Primary	Undefined		482m	North West
120118451	Primary	Undefined		546m	North
162648643	Primary	Right of way	3.5m	546m	North
120109907	Primary	Undefined		547m	North East
120110279	Primary	Undefined		551m	South East

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120107757	Primary	Undefined		579m	North West
120110658	Primary	Undefined		651m	North East
120110115	Primary	Undefined		678m	North East
120110191	Primary	Undefined		707m	North
120121911	Primary	Undefined		715m	East
179905885	Primary	Right of way	3.6m	731m	East
120109914	Primary	Undefined		752m	North East
171360650	Primary	Right of way	Variable width	764m	North East
120121779	Primary	Undefined		770m	North East
120110238	Primary	Undefined		791m	North East
120119411	Primary	Undefined		813m	North West
174471688	Primary	Right of way		925m	South East
120117771	Primary	Undefined		944m	West
120122225	Primary	Undefined		968m	North East

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

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Topographic Features

187 Allambie Road, Allambie Heights, NSW 2100

State Forest

What State Forest exist within the dataset buffer?

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

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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National Parks and Wildlife Service Reserves

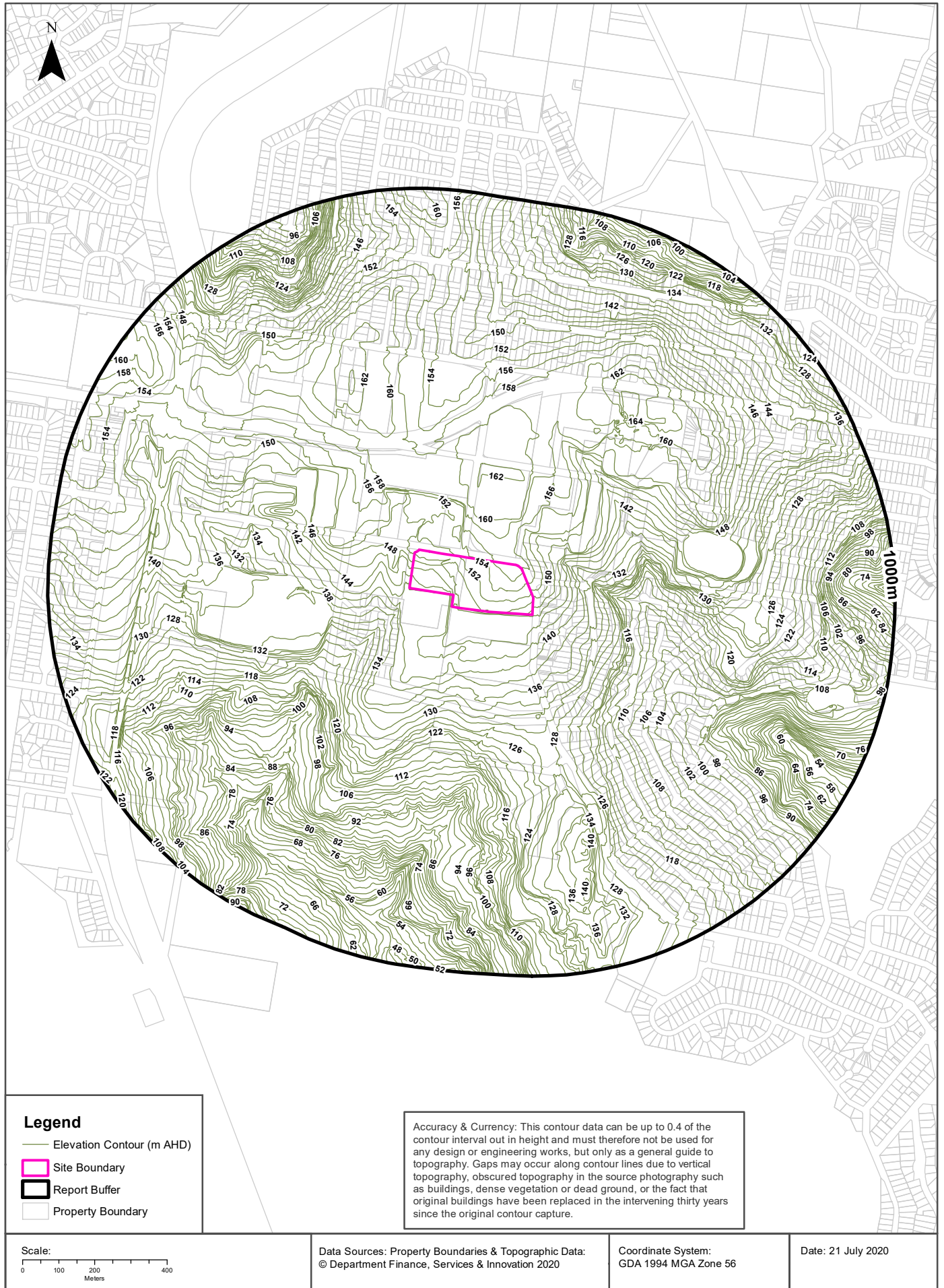
What NPWS Reserves exist within the dataset buffer?

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

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

187 Allambie Road, Allambie Heights, NSW 2100



Hydrogeology & Groundwater

187 Allambie Road, Allambie Heights, NSW 2100

Hydrogeology

Description of aquifers on-site:

Description
Porous, extensive aquifers of low to moderate productivity

Description of aquifers within the dataset buffer:

Description
Porous, extensive aquifers of low to moderate productivity

Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
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Botany Groundwater Management Zones

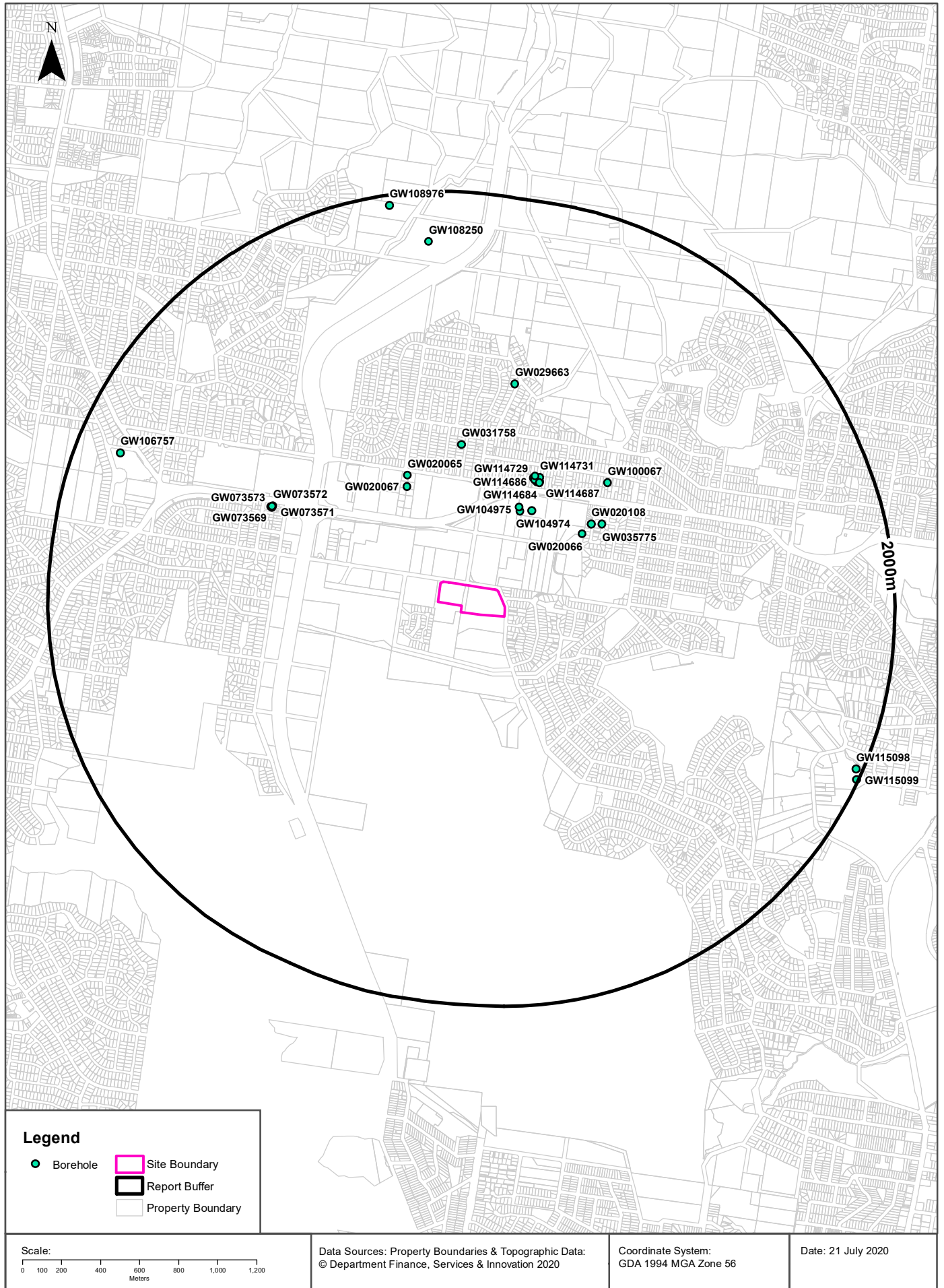
Groundwater management zones relating to the Botany Sand Beds aquifer within the dataset buffer:

Management Zone No.	Restriction	Distance	Direction
N/A	No records in buffer		

Botany Groundwater Management Zones Data Source : NSW Department of Primary Industries

Groundwater Boreholes

187 Allambie Road, Allambie Heights, NSW 2100



Hydrogeology & Groundwater

187 Allambie Road, Allambie Heights, NSW 2100

Groundwater Boreholes

Boreholes within the dataset buffer:

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW104 974	10BL156 923	Bore		Monitoring Bore	Monitoring Bore		11/09/1995	5.00	5.00					421m	North East
GW104 975	10BL156 923	Bore		Monitoring Bore	Monitoring Bore		11/09/1995	6.00	6.00					440m	North East
GW104 973	10BL156 923	Bore		Monitoring Bore	Monitoring Bore		11/09/1995	4.10	4.10					445m	North East
GW020 067	10BL012 920	Bore open thru rock	Federal Govt	Waste Disposal	Waste Disposal		01/10/1962	137.10	137.20					520m	North West
GW020 066	10BL012 712	Bore open thru rock	Federal Govt	Waste Disposal	Waste Disposal		01/05/1962	106.60	106.70					521m	North East
GW020 065	10BL012 713	Bore open thru rock	Federal Govt	Waste Disposal	Waste Disposal		01/05/1962	114.90	114.90					573m	North West
GW020 108		Bore open thru rock	Private		Waste Disposal		01/03/1963	134.10	134.10					590m	North East
GW114 687	10BL604 389	Bore	Private	Monitoring Bore	Monitoring Bore		01/01/2010	5.00	5.00					592m	North East
GW114 684	10BL604 389	Bore	Private	Monitoring Bore	Monitoring Bore		03/12/2010	7.00	0.00					593m	North East
GW114 685	10BL604 389	Bore	Private	Monitoring Bore	Monitoring Bore		06/12/2010	5.00	5.00					598m	North East
GW114 686	10BL604 389	Bore	Private	Monitoring Bore	Monitoring Bore		01/01/2010	7.00	7.00					599m	North East
GW114 729	10BL605 659	Bore	Private	Monitoring Bore	Monitoring Bore	CONVENIENCE PROPERTIES (OPS)	01/12/2014	4.70	4.70					605m	North East
GW114 730	10BL605 659	Bore	Private	Monitoring Bore	Monitoring Bore	CONVENIENCE PROPERTIES (OPS)	01/12/2014	4.20	4.20					615m	North East
GW114 731	10BL605 659	Bore	Private	Monitoring Bore	Monitoring Bore	CONVENIENCE PROPERTIES (OPS)	01/12/2014	5.00	5.00					618m	North East
GW035 775	10BL013 059	Bore open thru rock	Private	Waste Disposal	Waste Disposal		01/03/1963	146.30	146.30					635m	North East
GW031 758	10BL024 603, 10WA10 8155	Bore open thru rock	Private	Stock	Stock		01/05/1969	58.50	58.50					706m	North
GW100 067	10BL156 730	Bore		Monitoring Bore	Monitoring Bore		22/06/1995	5.10						792m	North East
GW073 572	10BL156 569	Bore	Private	Monitoring Bore	Monitoring Bore		02/12/1991	4.00	4.00					946m	North West
GW073 570		Bore	Private		G/water Xplore		04/06/1991	4.90	4.90					946m	North West
GW073 571		Bore	Private		G/water Xplore		04/06/1991	4.50	4.50					946m	North West

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW073 569		Bore	Private		G/water Xplore		04/06/1991	4.50	4.70					947m	North West
GW072 997		Bore	Private		G/water Xplore		04/06/1991	4.20	4.20					948m	North West
GW073 573	10BL601 836	Bore	Private	Monitoring Bore	Monitoring Bore		02/12/1991	3.50	3.50					953m	North West
GW029 663	10BL023 529, 10WA10 8153	(Unknown)	Private	Stock	Stock		07/08/1974					0.400		1056m	North
GW108 250	10BL601 185, 10BL601 714, 10WA10 9487	Bore		Recreation (groundwater), Test Bore	Recreation (groundwater)		29/01/2007	90.00	90.00	370	21.00	4.450		1742m	North
GW106 757	10BL164 320, 10WA10 8866	Bore		Domestic	Domestic		25/11/2004	7.00	7.00	Good	2.00	0.500		1772m	North West
GW108 976	10BL602 109, 10WA10 9224	Bore	Private	Domestic, Stock	Domestic, Stock		27/06/2008	150.00		315	30.00	0.350		1947m	North
GW115 098	10BL605 539			Monitoring Bore	Monitoring Bore		09/10/2015	10.00	10.00					1968m	South East
GW115 099	10BL605 539			Monitoring Bore	Monitoring Bore		09/10/2015	10.00	10.00					1991m	South East

Borehole Data Source : NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation for all bores prefixed with GW. All other bores © Commonwealth of Australia (Bureau of Meteorology) 2015. Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Hydrogeology & Groundwater

187 Allambie Road, Allambie Heights, NSW 2100

Driller's Logs

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

Groundwater No	Drillers Log	Distance	Direction
GW104974	0.00m-2.00m SANDY CLAY 2.00m-3.00m SAND/SILTY CLAY 3.00m-5.00m SANDSTONE	421m	North East
GW104975	0.00m-1.80m SANDY CLAY 1.80m-6.00m SANDSTONE	440m	North East
GW104973	0.00m-2.20m SANDY CLAY/D/BROWN/BLACK 2.20m-4.10m SILTY CLAY/SANDSTONE	445m	North East
GW020067	0.00m-0.30m Topsoil 0.30m-1.52m Clay Red Sandstone 1.52m-5.48m Pipe Clay White 5.48m-6.40m Clay Grey 6.40m-7.62m Clay Yellow 7.62m-7.92m Driller 7.92m-8.22m Clay Grey 8.22m-9.14m Driller 9.14m-20.11m Sandstone 20.11m-21.64m Driller 21.64m-33.22m Sandstone 33.22m-34.44m Clay White 34.44m-38.70m Sandstone 38.70m-39.31m Clay White 39.31m-59.74m Sandstone 59.74m-60.96m Shale 60.96m-62.48m Sandstone Clay Seams 62.48m-73.15m Clay White Grey Seams Sandstone 73.15m-88.39m Sandstone 88.39m-89.61m Shale 89.61m-93.26m Sandstone 93.26m-93.57m Clay White 93.57m-101.80m Sandstone Water Supply 101.80m-102.71m Shale Clay 102.71m-137.16m Sandstone	520m	North West
GW020066	0.00m-0.30m Topsoil 0.30m-5.18m Clay 5.18m-9.44m Clay Shale 9.44m-11.27m Pipe Clay White 11.27m-11.88m Driller 11.88m-14.02m Pipe Clay White 14.02m-14.63m Sandstone Clay 14.63m-33.83m Sandstone 33.83m-34.44m Clay White Sandstone Decomposed 34.44m-54.86m Sandstone Grey 54.86m-60.96m Sandstone White 60.96m-62.17m Sandstone Shale 62.17m-64.00m Sandstone 64.00m-67.05m Shale 67.05m-104.54m Sandstone 104.54m-106.68m Shale Grey Water Supply	521m	North East
GW020065	0.00m-0.30m Topsoil 0.30m-4.87m Clay 4.87m-8.22m Pipe Clay White 8.22m-10.66m Driller 10.66m-33.22m Sandstone 33.22m-34.13m Sandstone 34.13m-35.96m Shale Clay 35.96m-56.38m Sandstone 56.38m-56.99m Mudstone Clay 56.99m-61.87m Shale 61.87m-110.94m Sandstone Water Supply 110.94m-114.90m Shale	573m	North West

Groundwater No	Drillers Log	Distance	Direction
GW020108	0.00m-0.30m Topsoil 0.30m-2.74m Clay Red 2.74m-3.35m Pipe Clay White 3.35m-4.26m Driller 4.26m-6.09m Sandstone 6.09m-7.62m Clay 7.62m-12.80m Sandstone Clay 12.80m-33.52m Sandstone 33.52m-37.79m Clay Grey Shale 37.79m-51.51m Sandstone 51.51m-53.64m Clay White 53.64m-57.91m Clay Grey Shale 57.91m-61.56m Sandstone Hard 61.56m-67.97m Sandstone Clay Seams 67.97m-102.10m Sandstone 102.10m-103.63m Shale 103.63m-134.11m Sandstone	590m	North East
GW114684	0.00m-0.20m CONCRETE 0.20m-0.30m SAND MINOR GRAVEL,M/GRAINED SAND 0.30m-0.60m CLAY, MINOR SAND M/GRAINED,SOFT,MOIST 0.60m-1.30m CLAYEY SAND M/GRAINED 1.30m-1.50m SAND MED. GRAINED 1.50m-2.50m SILTY CLAY VERY SOFT,MOIST, DARK BROWN 2.50m-3.20m SILY CLAY,FIRM, MOIST 3.20m-3.80m SANDY CLAY FINE GRAINED,SOFT,MOIST 3.80m-4.50m SANDSTONE WEATHERED,MOIST,GREY 4.50m-7.00m SANDY CLAY,FINE GRAINED	593m	North East
GW114685	0.00m-0.20m SILTY CLAY SOFT,MOIST,DARK BROWN 0.20m-1.00m SILTY CLAY WITH MINOR GRAVEL AND SAND 1.00m-1.60m SILTY CLAY, SOFT,FIRM, MOIST YELLOW BROWN 1.60m-2.00m SILTSTONE HARD DRY,RED BROWN 2.00m-5.00m SILTY CLAY,SOFT,MOIST,LOW PLASYICITY	598m	North East
GW114729	0.00m-1.90m CLAY GREY 1.90m-4.70m SANDSTONE RED GREY	605m	North East
GW114730	0.00m-1.60m CLAY GREY WHITE M/GRAINED SOFT 1.60m-4.20m SANDSTONE GREY WHITE M/GRAINED WEATHERED	615m	North East
GW114731	0.00m-1.50m CLAY WHITE/RED MG.SOFT 1.50m-5.00m SANDSTONE RED/GREY MG WEATHERED	618m	North East
GW035775	0.00m-0.30m Topsoil 0.30m-4.26m Clay Red 4.26m-5.18m Driller 5.18m-7.62m Clay White 7.62m-8.22m Clay Grey 8.22m-16.15m Sandstone Clay 16.15m-35.05m Sandstone 35.05m-39.92m Shale Clay 39.92m-55.77m Sandstone 55.77m-56.69m Clay 56.69m-57.60m Shale Clay 57.60m-62.78m Sandstone 62.78m-76.20m Sandstone Clay Seams 76.20m-113.38m Sandstone 113.38m-116.43m Shale 116.43m-129.84m Sandstone 129.84m-133.50m Sandstone Shale 133.50m-137.46m Sandstone 137.46m-137.76m Shale 137.76m-146.30m Sandstone Clay Seams	635m	North East
GW031758	0.00m-0.30m Topsoil 0.30m-12.19m Sandstone Yellow 12.19m-13.71m Sandstone Shale Water Supply 13.71m-15.24m Sandstone Yellow 15.24m-27.43m Sandstone White 27.43m-28.95m Sandstone Grey 28.95m-56.38m Sandstone White Water Supply 56.38m-58.52m Shale Some Sandstone	706m	North
GW073570	0.00m-0.05m Fill Material 0.05m-0.10m Residual Soil & Clay- Grey Mottled W/ Red, Moist, Med Plasticity, Irsn Fragments Presents W/ Diam. Approx. 1cm 0.10m-1.00m Texture Change Silty Clay- Yellow Brown, Some Hydrocarbon Staining, Moist, Shle Fragments Approx. 5mm Present 1.00m-2.00m Colour Change- Yellow Brown & Grey-red Clay 50/50. 2.00m-3.00m Weathered Bedrock & Residual Soil- Silty Clay, Grey Streaks Of Red, Dry. 3.00m-4.00m Weathered Bedrock- Silty Clay, Brown, Dry 4.00m-4.90m Hole Terminated @ 4.9m.	946m	North West

Groundwater No	Drillers Log	Distance	Direction
GW073571	0.00m-0.10m Fill & Residual Soil- Silty Clay, Grey And Red 0.10m-1.00m Residual Soil- Silty Clay,brown-black, Moist, Med-high Plasticity; Colour Change Yellow-brown. 1.00m-2.00m Weathered Bedrock- Silty Clay;grey, Mottles Of Red,dry,yellow.	946m	North West
GW073572	0.00m-0.10m Sand Fill- Grey, Medium Grind, Saturated With Hydrocarbon 0.10m-0.40m Silty Clay- Grey-mottled With Red. 0.40m-4.00m Hole Terminated @ 4m.	946m	North West
GW073569	0.00m-0.10m Fill Mat'l. & Residual Soil-sandy Clay, Grey W/ Mottles/streaks Of Red Moist, Ironstone Fragments 0.10m-1.00m Residual Soil- Sandy/silty Clay,yb Staining On Surface Giving Black Colour, Moist Med. Plasticity, Hydrocarbon Odour Prs 1.00m-1.50m Weathered Bedrock & Residual Soil-dry Red Brown Silty Clay)silty Clay Yb Moist, Shle Fragments Present In Sample. 1.50m-3.00m Weathered Bedrock-silty Clay, Red Brown, Dry Med To Strong Plasticity. Fragments Of Shle Present. 3.00m-4.50m Hole Terminated @ 4.7m	947m	North West
GW072997	0.00m-0.10m Sandy Clays & Gravels 0.10m-1.00m Residual Soil- Sandy Clay-grey, Mottled W/ Red >10%, Moist. Med. Plasticity 1.00m-2.50m Weathered Bedrock- Sandy Clay, Grey Brown, Dry 2.50m-4.20m Bedrock- Hole Terminated @ 4.2	948m	North West
GW073573	0.00m-0.10m Silt-clay, Grey-mottled 10% With Red, Moist - Wet. 0.10m-1.00m Silt-clay, Grey-mottled 10% With Red, Moist- Wet. 1.00m-3.50m Hole Terminated @ 3.5m.	953m	North West
GW108250	0.00m-0.50m CLAY 0.50m-2.50m SANDSTONE WEATHERED 2.50m-4.00m SANDY CLAY 4.00m-8.00m SANDSTONE WEATHERED 8.00m-9.00m SHALE 9.00m-28.00m SANDSTONE GREY 28.00m-31.00m SANDSTONE BROWN QUARTZ 31.00m-34.00m SANDSTONE GREY 34.00m-34.20m SANDSTONE FRACTURED 34.20m-42.00m SANDSTONE GREY 42.00m-44.00m SANDSTONE QUARTZ 44.00m-44.50m SANDSTONE FRACTURED 44.50m-53.00m SILTSTONE 53.00m-57.00m SANDSTONE GREY 57.00m-59.00m SANDSTONE QUARTZ 59.00m-63.00m SANDSTONE GREY 63.00m-65.50m SANDSTONE QUARTZ 65.50m-81.00m SANDSTONE GREY 81.00m-83.00m SANDSTONE QUARTZ 83.00m-90.00m SANDSTONE GREY	1742m	North
GW106757	0.00m-0.30m TOPSOIL 0.30m-2.50m BROWN SAND 2.50m-3.00m BLACK SAND 3.00m-5.00m DARK BROWN SILTY SAND 5.00m-7.00m BROWN SAND	1772m	North West
GW115098	0.00m-0.20m CONCRETE 0.20m-0.30m CLAY SOFT DARK BROWN 0.30m-0.40m CONCRETE 0.40m-0.50m SANDY CLAY 0.50m-1.00m CLAY FIRM ,GREY AND BROWN 1.00m-1.50m CLAY ORANGE 1.50m-2.30m SHALE WEATHERED 2.30m-2.40m CLAY STIFF GREY 2.40m-3.30m SHALE RED AND GREY 3.30m-3.60m SHALE HIGHLY WEATERED 3.60m-3.80m SHALE FRACTURED BROWN 3.80m-10.00m SHALE BROWN	1968m	South East
GW115099	0.00m-0.20m CONCRETE 0.20m-0.50m SAND 0.50m-0.60m CLAYEY SAND 0.60m-1.20m NO RECOVERY 1.20m-1.90m CLAYEY SAND COARSE 1.90m-2.60m CLAY FIRM , GREY 2.60m-3.00m SHALE RED, WEATHERED 3.00m-3.30m CLAY FIRM GREY 3.30m-3.80m SHALE WEATHERED GREY 3.80m-10.00m SHALE BROWN	1991m	South East

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp
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Geology 1:100,000

187 Allambie Road, Allambie Heights, NSW 2100



Legend

- | | |
|-------------------|------------------|
| Site Boundary | Structure |
| Report Buffer | Fault |
| Property Boundary | Dyke |
| | Fold |
| | Structure |
| | Lineament |

Scale:
0 100 200 400 600
Meters

Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2020

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

Geology

187 Allambie Road, Allambie Heights, NSW 2100

Geological Units

What are the Geological Units onsite?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Rh	Medium to coarse grained quartz sandstone, very minor shale and laminate lenses				Triassic		Sydney	1:100,000
Rhs	Shale. Laminate				Triassic		Sydney	1:100,000

What are the Geological Units within the dataset buffer?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Rh	Medium to coarse grained quartz sandstone, very minor shale and laminate lenses				Triassic		Sydney	1:100,000
Rhs	Shale. Laminate				Triassic		Sydney	1:100,000

Geological Structures

What are the Geological Structures onsite?

Feature	Name	Description	Map Sheet	Dataset
No features				1:100,000

What are the Geological Structures within the dataset buffer?

Feature	Name	Description	Map Sheet	Dataset
Dyke			Sydney	1:100,000
Dyke			Sydney	1:100,000

Geological Data Source : NSW Department of Industry, Resources & Energy

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Naturally Occurring Asbestos Potential

187 Allambie Road, Allambie Heights, NSW 2100

Naturally Occurring Asbestos Potential

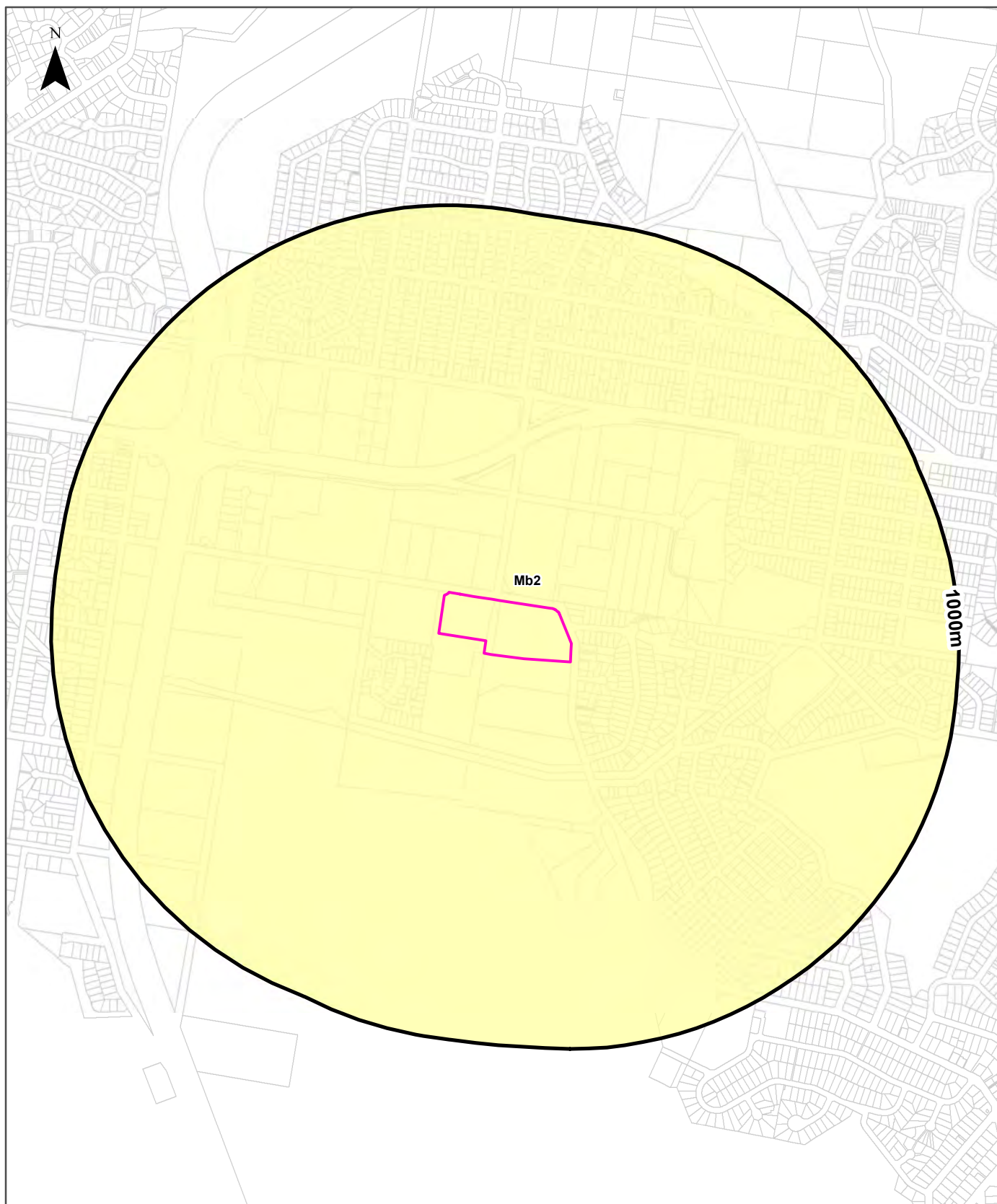
Naturally Occurring Asbestos Potential within the dataset buffer:

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

Mining Subsidence District Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy

Atlas of Australian Soils

187 Allambie Road, Allambie Heights, NSW 2100



Legend		Australian Soil Classification Orders					
Site Boundary	Anthroposol	Dermosol	Kandosol	Podosol	Tenosol	No Data	
Report Buffer	Calcarosol	Ferrosol	Kurosol	Rudosol	Vertosol		
Property Boundary	Chromosol	Hydrosol	Organosol	Sodosol	Lake		

Scale: 	Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2020	Coordinate System: GDA 1994 MGA Zone 56	Date: 21 July 2020
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Soils

187 Allambie Road, Allambie Heights, NSW 2100

Atlas of Australian Soils

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

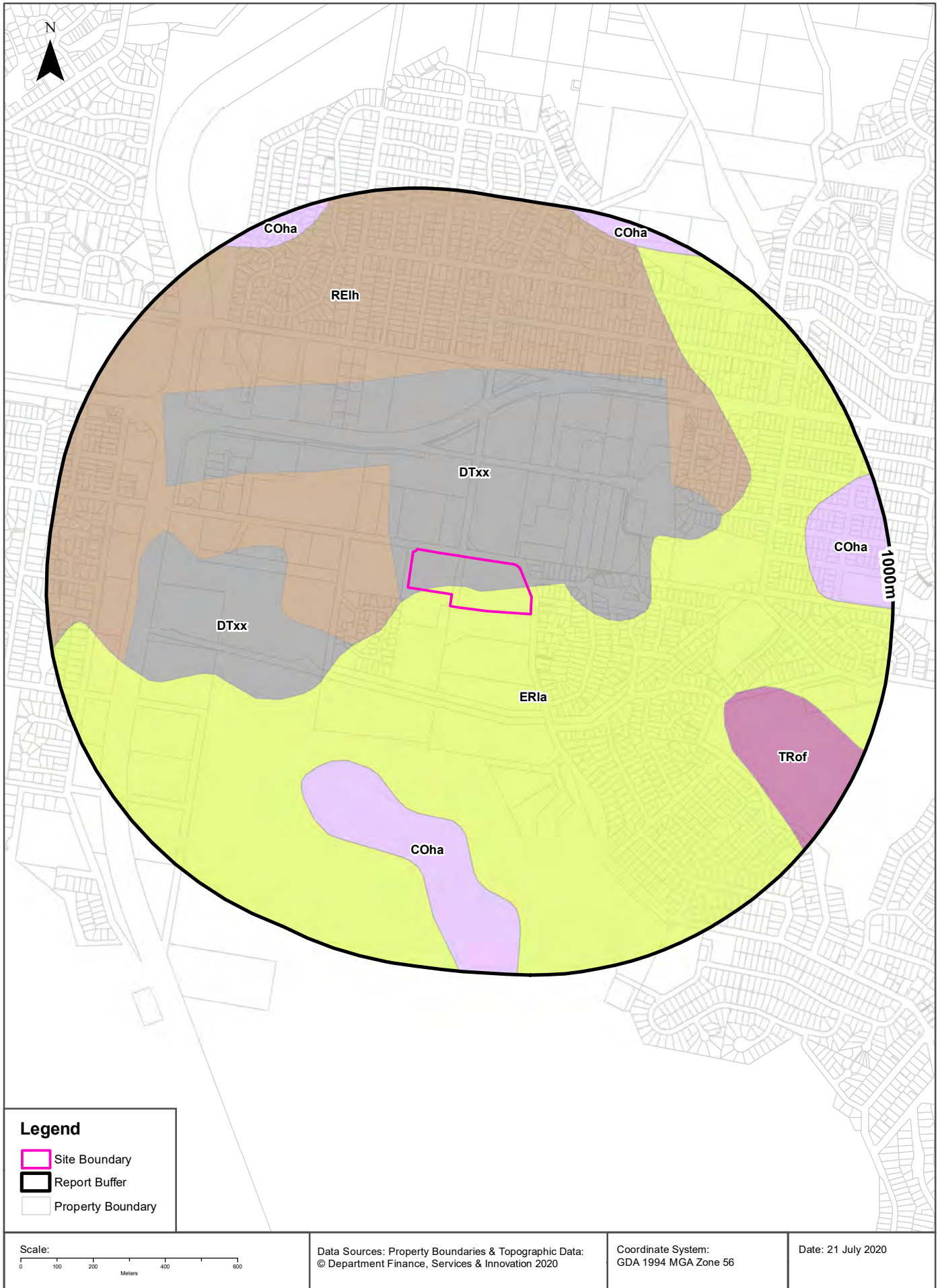
Map Unit Code	Soil Order	Map Unit Description	Distance
Mb2	Kandosol	Dissected sandstone plateau of moderate to strong relief with sandstone pillars, ledges, and slabs-- level to undulating ridges, irregularly benched slopes, steep ridges, cliffs, canyons, narrow sandy valleys: chief soils are (i) on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

Atlas of Australian Soils Data Source: CSIRO

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Soil Landscapes

187 Allambie Road, Allambie Heights, NSW 2100



Soils

187 Allambie Road, Allambie Heights, NSW 2100

Soil Landscapes

What are the onsite Soil Landscapes?

Soil Code	Name	Group	Process	Map Sheet	Scale
DTxx	DISTURBED TERRAIN		DISTURBED TERRAIN	Sydney	1:100,000
ERla	LAMBERT		EROSIONAL	Sydney	1:100,000

What are the Soil Landscapes within the dataset buffer?

Soil Code	Name	Group	Process	Map Sheet	Scale
COha	HAWKESBURY		COLLUVIAL	Sydney	1:100,000
DTxx	DISTURBED TERRAIN		DISTURBED TERRAIN	Sydney	1:100,000
ERla	LAMBERT		EROSIONAL	Sydney	1:100,000
RElh	LUCAS HEIGHTS		RESIDUAL	Sydney	1:100,000
TRof	OXFORD FALLS		TRANSFERRAL	Sydney	1:100,000

Soils Landscapes Data Source : NSW Office of Environment and Heritage

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Acid Sulfate Soils

187 Allambie Road, Allambie Heights, NSW 2100

Environmental Planning Instrument - Acid Sulfate Soils

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

Soil Class	Description	EPI Name
N/A		

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

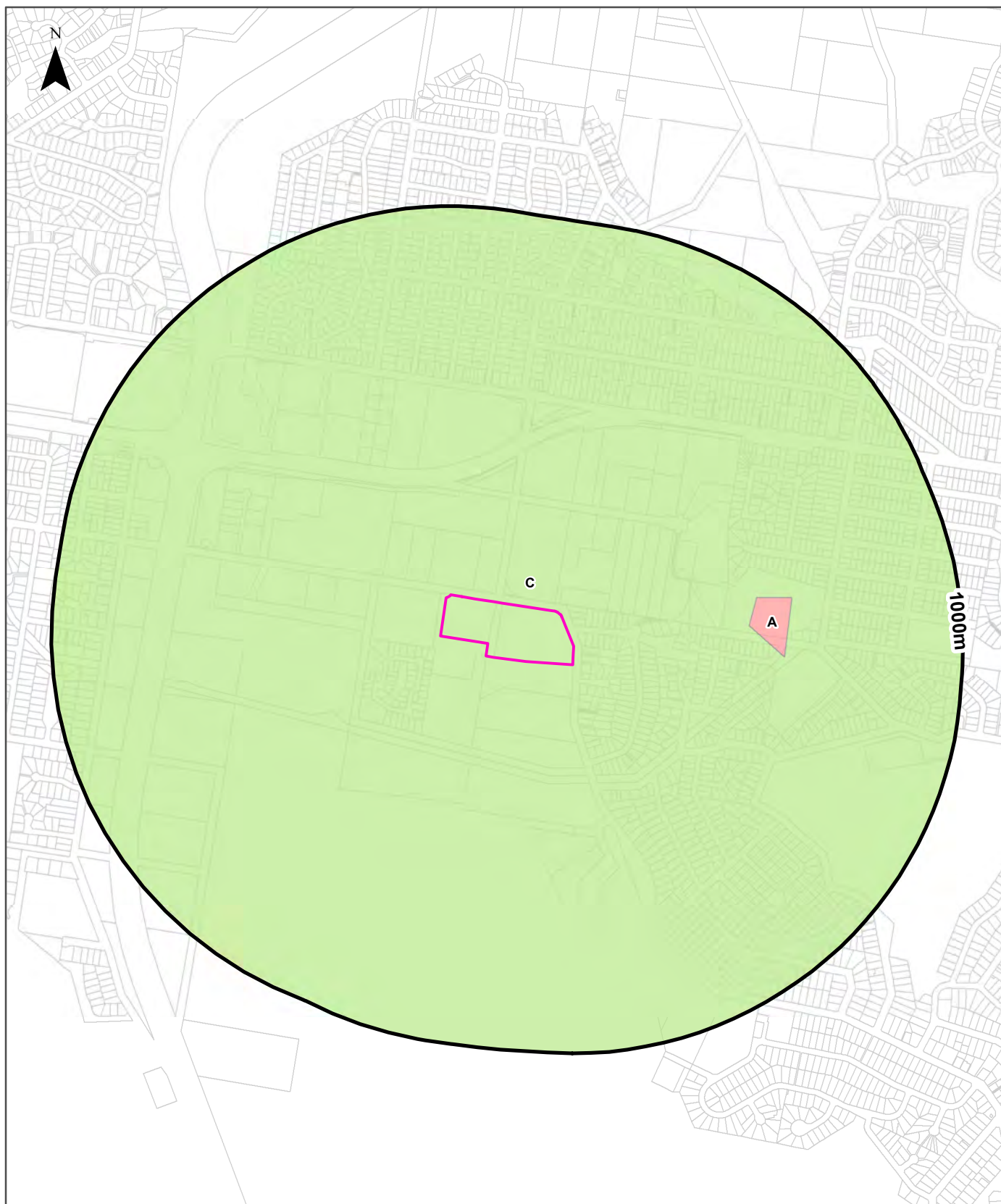
Soil Class	Description	EPI Name	Distance	Direction
N/A				

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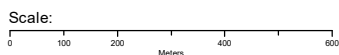
Atlas of Australian Acid Sulfate Soils

187 Allambie Road, Allambie Heights, NSW 2100



Legend

- | | | | |
|-------------------|--|-------------------------|---------|
| Site Boundary | Probability of occurrence of Acid Sulfate Soils | | |
| Report Buffer | A. High (>70%) | C. Extremely Low (1-5%) | No Data |
| Property Boundary | B. Low (6-70%) | D. No Chance (0%) | |



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2020

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

Acid Sulfate Soils

187 Allambie Road, Allambie Heights, NSW 2100

Atlas of Australian Acid Sulfate Soils

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

Class	Description	Distance
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m
A	High Probability of occurrence. >70% chance of occurrence.	453m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

187 Allambie Road, Allambie Heights, NSW 2100

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	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.

Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

Feature Id	Classification	Description	Distance	Direction
N/A	Outside Data Coverage			

Dryland Salinity Potential of Western Sydney Data Source : NSW Office of Environment and Heritage

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Mining Subsidence Districts

187 Allambie Road, Allambie Heights, NSW 2100

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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State Environmental Planning Policy

187 Allambie Road, Allambie Heights, NSW 2100

State Significant Precincts

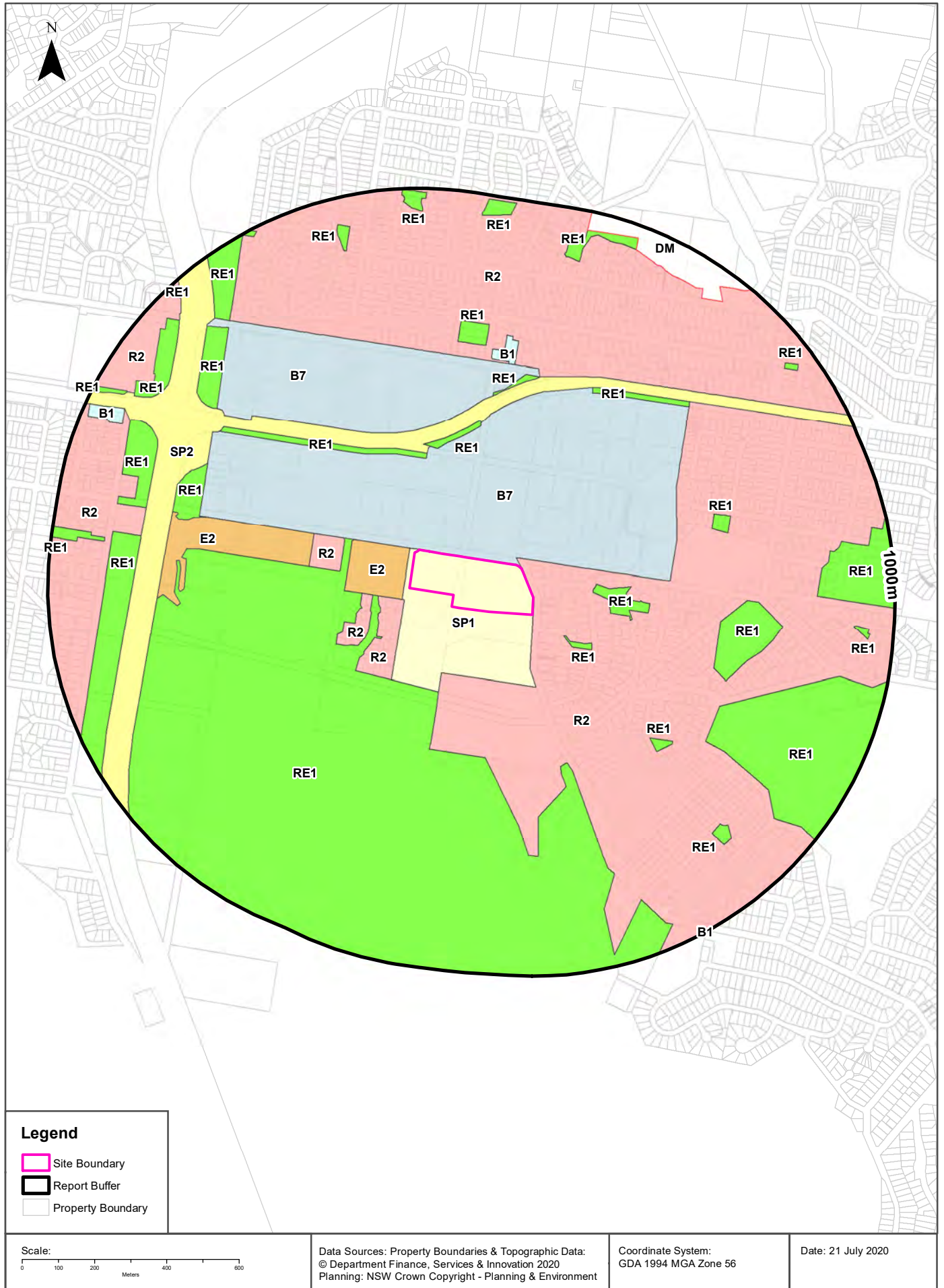
What SEPP State Significant Precincts exist within the dataset buffer?

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

187 Allambie Road, Allambie Heights, NSW 2100



Environmental Planning Instrument

187 Allambie Road, Allambie Heights, NSW 2100

Land Zoning

What EPI Land Zones exist within the dataset buffer?

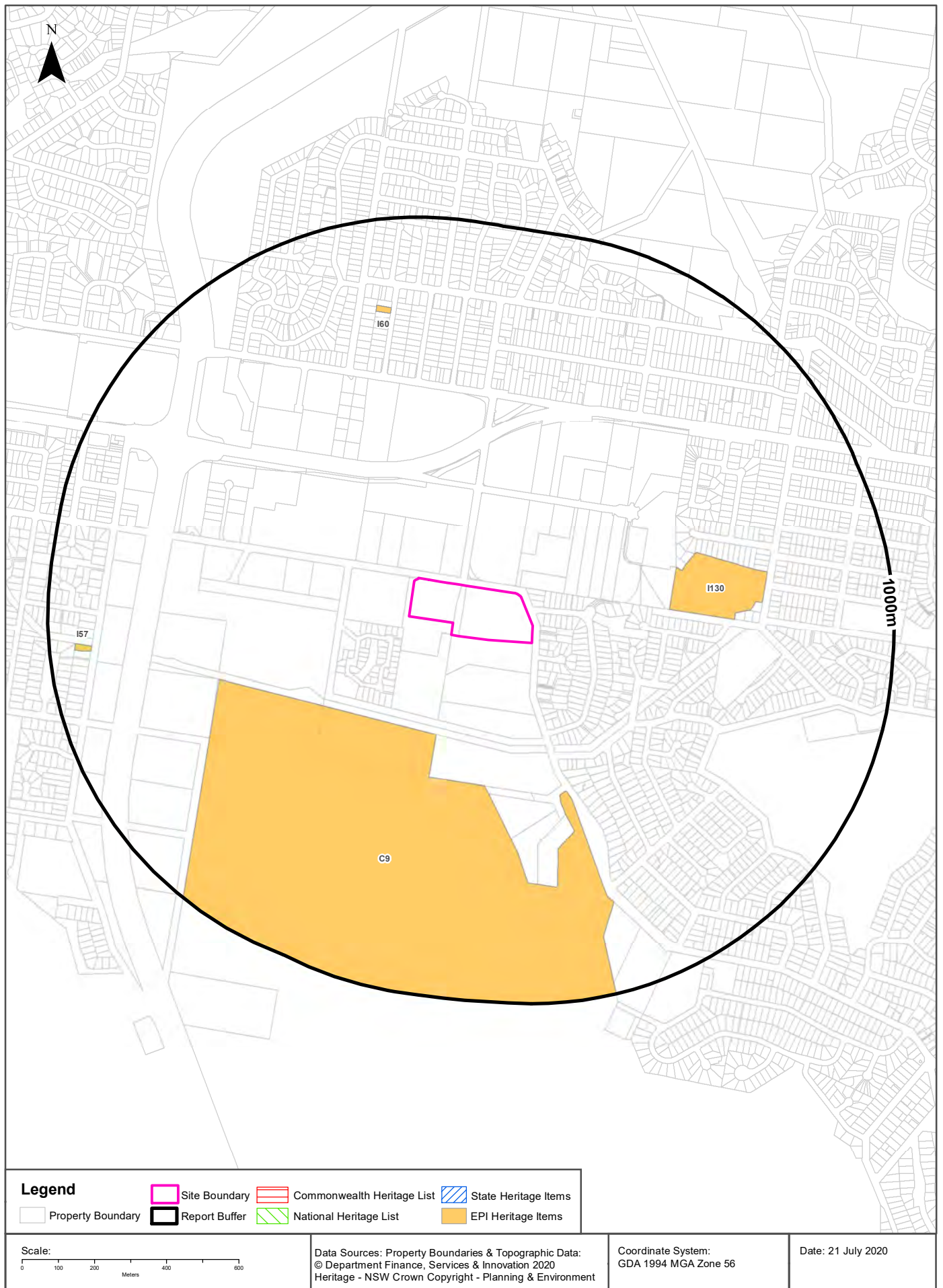
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP1	Special Activities	Health Services Facilities	Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		0m	Onsite
B7	Business Park		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		0m	North
R2	Low Density Residential		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		0m	South East
E2	Environmental Conservation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		16m	West
R2	Low Density Residential		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		35m	South West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		90m	South
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		103m	South East
R2	Low Density Residential		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		104m	West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		165m	East
R2	Low Density Residential		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		197m	West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		252m	North West
SP2	Infrastructure	Classified Road	Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		268m	North
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		283m	North
E2	Environmental Conservation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		284m	West
B7	Business Park		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		329m	North West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		452m	North
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		470m	South East
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		516m	East
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		521m	North East
R2	Low Density Residential		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		524m	North East
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		528m	East
B1	Neighbourhood Centre		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		547m	North
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		575m	East
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		585m	North
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		587m	West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		678m	North West
R2	Low Density Residential		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		753m	South West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		753m	West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		755m	South West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		776m	South East
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		820m	North West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		826m	North West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		849m	North
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		854m	West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		856m	North
R2	Low Density Residential		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		863m	North West
B1	Neighbourhood Centre		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		884m	North West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		888m	East
DM	Deferred Matter		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		897m	North East
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		912m	North West
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		913m	North East
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		937m	North
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		939m	North
RE1	Public Recreation		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		959m	North West
B1	Neighbourhood Centre		Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017		993m	South East

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

187 Allambie Road, Allambie Heights, NSW 2100



Heritage

187 Allambie Road, Allambie Heights, NSW 2100

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
C9	Manly Dam and Surrounds	Conservation Area - Landscape	Local	Warringah Local Environmental Plan 2011	30/06/2017	30/06/2017	30/06/2017	278m	South
I130	Warringah Reservoir (WE 0131) and attached Valve House	Item - General	Local	Warringah Local Environmental Plan 2011	30/05/2014	30/05/2014	30/06/2017	379m	East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I60	Betty Moloney Garden	Item - Landscape	Local	Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017	739m	North
I57	House	Item - General	Local	Warringah Local Environmental Plan 2011	09/12/2011	09/12/2011	30/06/2017	882m	West

Heritage Data Source: NSW Crown Copyright - Planning & Environment

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Natural Hazards - Bush Fire Prone Land

187 Allambie Road, Allambie Heights, NSW 2100



Natural Hazards

187 Allambie Road, Allambie Heights, NSW 2100

Bush Fire Prone Land

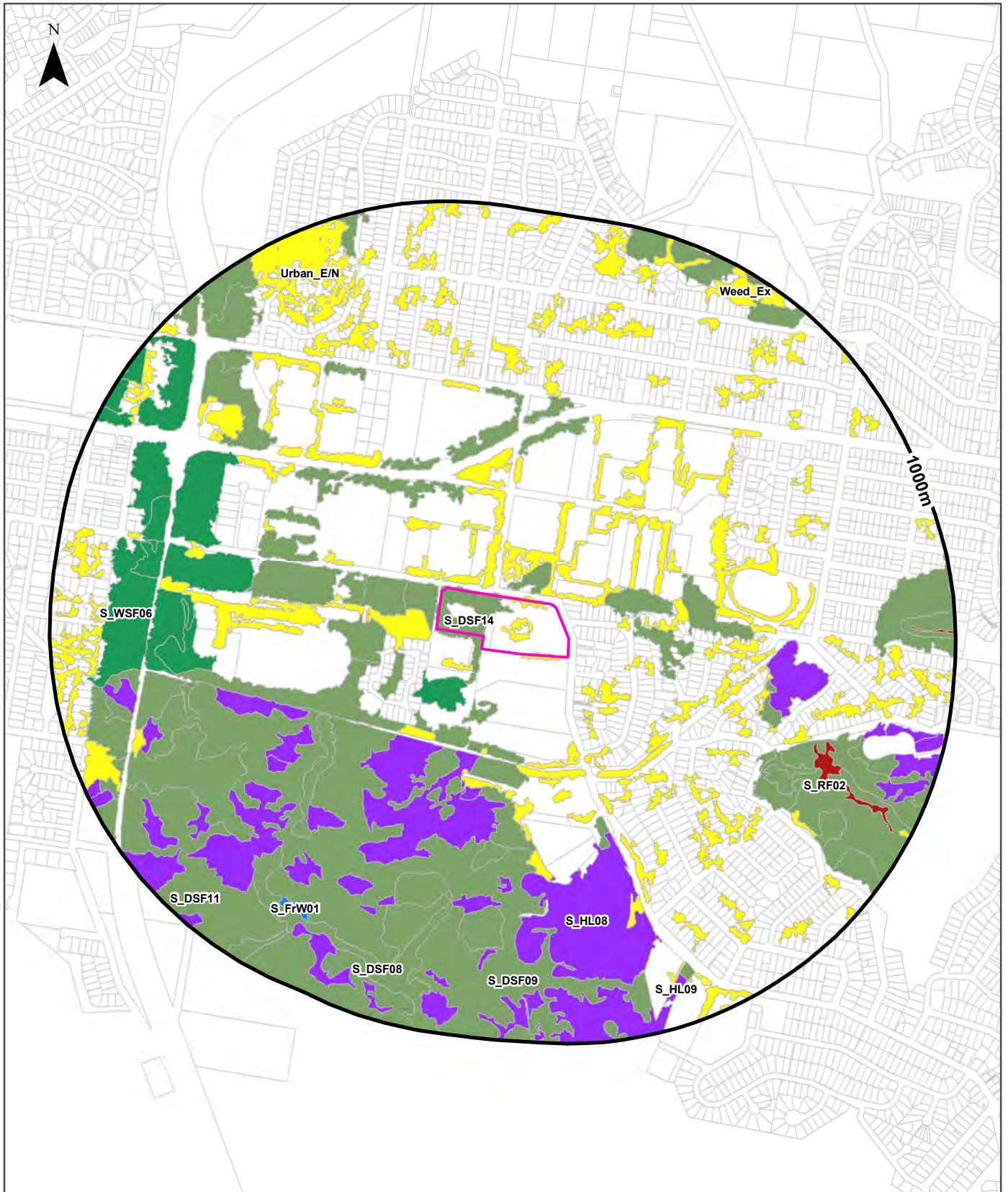
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Buffer	0m	Onsite
Vegetation Category 1	0m	Onsite
Vegetation Category 2	91m	West

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

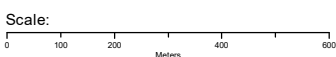
Ecological Constraints - Native Vegetation & RAMSAR Wetlands

187 Allambie Road, Allambie Heights, NSW 2100



Legend

- | | | | | | |
|-------------------|-------------------------|-------------------|---------------------|---------------------|-----------------|
| Site Boundary | Rainforest | Forested Wetlands | Grasslands | Artificial Wetlands | RAMSAR Wetlands |
| Report Buffer | Wet Sclerophyll Forests | Grassy Woodlands | Freshwater Wetlands | Water | |
| Property Boundary | Dry Sclerophyll Forests | Heathlands | Saline Wetlands | Other | |



Property Boundary Data Source:
© Department Finance, Services & Innovation 2020

Coordinate System:
GDA 1994 MGA Zone 56

Date: 21 July 2020

Ecological Constraints

187 Allambie Road, Allambie Heights, NSW 2100

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Map Unit Name	Threatened Ecological Community NSW	Threatened Ecological Community EPBC Act	Understorey	Disturbance	Disturbance Index	Dominant Species	Dist	Direction
S_DSF14	S_DSF14: Sydney Ironstone Bloodwood-Silvertop Ash Forest	Duffys Forest Ecological Community		15: Grassy natives and exotics	13: Weeds	3: High	E.sieberi/E.resinifera/A.costata/E.umbra/E.globoidea	0m	Onsite
Urban_E/N	Urban_E/N: Urban Exotic/Native			00: Not assessed	00: Not assessed	0: Not assessed	Urban Exotic/Native	0m	Onsite
S_WSF06	S_WSF06: Coastal Shale-Sandstone Forest			11: Semi sheltered dry/mesic	13: Weeds	3: High	E.sieberi/E.resinifera/A.costata/E.umbra/E.globoidea	93m	South West
S_DSF09	S_DSF09: Coastal Sandstone Gully Forest			12: Dry xeric shrubs	25: Edge disturbances only	2: Moderate	A.costata/E.sieberi/E.piperita/C.gummifera/E.resinifera/E.umbra	104m	South West
S_DSF11	S_DSF11: Sydney North Exposed Sandstone Woodland			12: Dry xeric shrubs	99: No visible disturbance	5: No visible disturbance	E.haemastoma/B.serrata	269m	South West
S_HL08	S_HL08: Coastal Sandstone Heath-Mallee			19: Dense heath	11: Roads/trails	1: Low	A.distyla/B.ericifolia/Leptospermum spp/A.hispida	269m	South West
Weed_Ex	Weed_Ex: Weeds and Exotics			00: Not assessed	00: Not assessed	0: Not assessed	Exotic Species >90%cover	313m	South
S_DSF08	S_DSF08: Coastal Sandstone Riparian Forest			10: Mesic/rainforest	13: Weeds	2: Moderate	E.piperita/A.costata/T.laurina	660m	South
S_RF02	S_RF02: Coastal Sandstone Gallery Rainforest			10: Mesic/rainforest	13: Weeds	1: Low	C.apetalum/T.laurina/C.serratifolia	673m	South East
S_FrW01	S_FrW01: Coastal Upland Damp Heath Swamp	Coastal Upland Swamp		19: Dense heath	99: No visible disturbance	5: No visible disturbance	B.ericifolia/Hakea spp/sedges	792m	South West
S_HL09	S_HL09: Coastal Sandstone Rock Plate Heath			19: Dense heath	25: Edge disturbances only	1: Low	Exposed rockplates with low heath	865m	South East

Native Vegetation of the Sydney Metropolitan Area : NSW Office of Environment and Heritage

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Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

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

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Environment

Ecological Constraints

187 Allambie Road, Allambie Heights, NSW 2100

Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
N/A	No records within buffer				

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

187 Allambie Road, Allambie Heights, NSW 2100

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
N/A	No records within buffer				

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

187 Allambie Road, Allambie Heights, NSW 2100

NSW BioNet Atlas

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

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Heleioporus australiacus	Giant Burrowing Frog	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Amphibia	Pseudophryne australis	Red-crowned Toadlet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Actitis hypoleucos	Common Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Anous stolidus	Common Noddy	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Ardenna carneipes	Flesh-footed Shearwater	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Ardenna grisea	Sooty Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna pacifica	Wedge-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Arenaria interpres	Ruddy Turnstone	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Botaurus poiciloptilus	Australasian Bittern	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris alba	Sanderling	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris canutus	Red Knot	Not Listed	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris ferruginea	Curlew Sandpiper	Endangered	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris ruficollis	Red-necked Stint	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris tenuirostris	Great Knot	Vulnerable	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Calyptorhynchus banksii banksii	Red-tailed Black-Cockatoo (coastal subspecies)	Critically Endangered	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus lathami	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Carterornis leucotis	White-eared Monarch	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Charadrius leschenaultii	Greater Sand-plover	Vulnerable	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Charadrius mongolus	Lesser Sand-plover	Vulnerable	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Charadrius veredus	Oriental Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Chlidonias leucopterus	White-winged Black Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Cuculus optatus	Oriental Cuckoo	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Diomedea exulans	Wandering Albatross	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Esacus magnirostris	Beach Stone-curlew	Critically Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Eudyptula minor	Little Penguin	Endangered Population	Not Sensitive	Not Listed	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Fregata ariel	Lesser Frigatebird	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gygis alba	White Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus fuliginosus	Sooty Oystercatcher	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Category 3	Critically Endangered	
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lophochroa leadbeateri	Major Mitchell's Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Macronectes giganteus	Southern Giant Petrel	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Macronectes halli	Northern Giant-Petrel	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Neophema splendida	Scarlet-chested Parrot	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Nettapus coromandelianus	Cotton Pygmy-Goose	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Numenius madagascariensis	Eastern Curlew	Not Listed	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius phaeopus	Whimbrel	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Onychoprion fuscata	Sooty Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pachycephala olivacea	Olive Whistler	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Phaethon lepturus	White-tailed Tropicbird	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Philomachus pugnax	Ruff	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Phoebastria fusca	Sooty Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Pluvialis fulva	Pacific Golden Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Polytelis anthopeplus monarchoides	Regent Parrot (eastern subspecies)	Endangered	Category 3	Vulnerable	
Animalia	Aves	Polytelis swainsonii	Superb Parrot	Vulnerable	Category 3	Vulnerable	
Animalia	Aves	Pterodroma leucoptera leucoptera	Gould's Petrel	Vulnerable	Not Sensitive	Endangered	
Animalia	Aves	Pterodroma solandri	Providence Petrel	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus magnificus	Wompoo Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus regina	Rose-crowned Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus superbus	Superb Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Puffinus assimilis	Little Shearwater	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Rostratula australis	Australian Painted Snipe	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stercorarius longicaudus	Long-tailed Jaeger	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Stercorarius parasiticus	Arctic Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Stercorarius pomarinus	Pomarine Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Sterna hirundo	Common Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Sternula albifrons	Little Tern	Endangered	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Sula dactylatra	Masked Booby	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Thalassarche cauta	Shy Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Thalassarche melanophris	Black-browed Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Thalasseus bergii	Crested Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Thinornis rubricollis	Hooded Plover	Critically Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Todiramphus chloris	Collared Kingfisher	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Tringa brevipes	Grey-tailed Tattler	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tringa incana	Wandering Tattler	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Tringa nebularia	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tringa stagnatilis	Marsh Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto tenebricosa	Sooty Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Xenus cinereus	Terek Sandpiper	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Mammalia	Arctocephalus forsteri	New Zealand Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus pusillus doriferus	Australian Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Dugong dugon	Dugong	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Eubalaena australis	Southern Right Whale	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Isoodon obesulus obesulus	Southern Brown Bandicoot (eastern)	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Macropus parma	Parma Wallaby	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Macrotis lagotis	Bilby	Presumed Extinct	Not Sensitive	Vulnerable	
Animalia	Mammalia	Megaptera novaeangliae	Humpback Whale	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Nyctophilus bifax	Eastern Long-eared Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Perameles nasuta	Long-nosed Bandicoot	Endangered Population	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petrogale penicillata	Brush-tailed Rock-wallaby	Endangered	Not Sensitive	Vulnerable	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Endangered Population, Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Physeter macrocephalus	Sperm Whale	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Pseudomys desertor	Desert Mouse	Critically Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Pseudomys novaehollandiae	New Holland Mouse	Not Listed	Not Sensitive	Vulnerable	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Mammalia	<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Vespadelus troughtoni</i>	Eastern Cave Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Antaresia stimsoni</i>	Stimson's Python	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Aspidites ramsayi</i>	Woma	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Caretta caretta</i>	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	<i>Chelonia mydas</i>	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	<i>Dermochelys coriacea</i>	Leatherback Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	<i>Diplodactylus platyrurus</i>	Eastern Fat-tailed Gecko	Endangered	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Eretmochelys imbricata</i>	Hawksbill Turtle	Not Listed	Not Sensitive	Vulnerable	
Animalia	Reptilia	<i>Myuchelys bellii</i>	Western Sawshelled Turtle, Bell's Turtle	Endangered	Not Sensitive	Vulnerable	
Animalia	Reptilia	<i>Suta flagellum</i>	Little Whip Snake	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Tiliqua occipitalis</i>	Western Blue-tongued Lizard	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Uvidicolus sphyrurus</i>	Border Thick-tailed Gecko	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	<i>Varanus rosenbergi</i>	Rosenberg's Goanna	Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	<i>Camarophyllopsis kearneyi</i>		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe anomala</i> var. <i>ianthinomarginata</i>		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe aurantipes</i>		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe austropratensis</i>		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe collucera</i>		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe griseoramosa</i>		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe lanecovensis</i>		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe reesia</i>		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	<i>Hygrocybe rubronivea</i>		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	<i>Acacia bynoeana</i>	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Acacia terminalis</i> subsp. <i>terminalis</i>	Sunshine Wattle	Endangered	Not Sensitive	Endangered	
Plantae	Flora	<i>Allocasuarina portuensis</i>	Nielsen Park She-oak	Endangered	Category 3	Endangered	
Plantae	Flora	<i>Baeckea kandos</i>		Endangered	Category 3	Endangered	
Plantae	Flora	<i>Caladenia tessellata</i>	Thick Lip Spider Orchid	Endangered	Category 2	Vulnerable	
Plantae	Flora	<i>Callistemon linearifolius</i>	Netted Bottle Brush	Vulnerable	Category 3	Not Listed	
Plantae	Flora	<i>Chamaesyce psammogeton</i>	Sand Spurge	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	<i>Cryptostylis hunteriana</i>	Leafless Tongue Orchid	Vulnerable	Category 2	Vulnerable	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	<i>Darwinia biflora</i>		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Deyeuxia appressa</i>		Endangered	Not Sensitive	Endangered	
Plantae	Flora	<i>Epacris purpurascens</i> var. <i>purpurascens</i>		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	<i>Eucalyptus camfieldii</i>	Camfield's Stringybark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Eucalyptus scoparia</i>	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Euphrasia collina</i> subsp. <i>muelleri</i>	Mueller's Eyebright	Endangered	Not Sensitive	Endangered	
Plantae	Flora	<i>Genoplesium baueri</i>	Bauer's Midge Orchid	Endangered	Category 2	Endangered	
Plantae	Flora	<i>Grammitis stenophylla</i>	Narrow-leaf Finger Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	<i>Grevillea caleyi</i>	Caley's Grevillea	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	<i>Grevillea hilliana</i>	White Yiel Yiel	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	<i>Grevillea juniperina</i> subsp. <i>juniperina</i>	Juniper-leaved Grevillea	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	<i>Haloragodendron lucasii</i>		Endangered	Not Sensitive	Endangered	
Plantae	Flora	<i>Hibbertia puberula</i>		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	<i>Hibbertia superans</i>		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	<i>Isotoma fluviatilis</i> subsp. <i>fluviatilis</i>		Not Listed	Not Sensitive	Extinct	
Plantae	Flora	<i>Kunzea rupestris</i>		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Lasiopetalum joyceae</i>		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Leptospermum deanei</i>		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Macadamia integrifolia</i>	Macadamia Nut	Not Listed	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Macadamia tetraphylla</i>	Rough-shelled Bush Nut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Melaleuca biconvexa</i>	Biconvex Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Melaleuca deanei</i>	Deane's Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Microtis angusii</i>	Angus's Onion Orchid	Endangered	Category 2	Endangered	
Plantae	Flora	<i>Persoonia hirsuta</i>	Hairy Geebung	Endangered	Category 3	Endangered	
Plantae	Flora	<i>Persoonia laxa</i>		Presumed Extinct	Not Sensitive	Extinct	
Plantae	Flora	<i>Persoonia pauciflora</i>	North Rothbury Persoonia	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	<i>Pimelea curviflora</i> var. <i>curviflora</i>		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Prostanthera densa</i>	Villous Mint-bush	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	<i>Prostanthera junonis</i>	Somersby Mintbush	Endangered	Not Sensitive	Endangered	
Plantae	Flora	<i>Prostanthera marifolia</i>	Seaforth Mintbush	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	<i>Rhodamnia rubescens</i>	Scrub Turpentine	Critically Endangered	Not Sensitive	Not Listed	
Plantae	Flora	<i>Sarcophilus hartmannii</i>	Hartman's Sarcophilus	Vulnerable	Category 2	Vulnerable	
Plantae	Flora	<i>Senecio spathulatus</i>	Coast Groundsel	Endangered	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Tetradlea glandulosa		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Thesium australe	Austral Toadflax	Vulnerable	Not Sensitive	Vulnerable	

Data does not include NSW category 1 sensitive species.

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

LC Code	Location Confidence
Premise match	Georeferenced to the site location / premise or part of site
General area or suburb match	Georeferenced with the confidence of the general/approximate area
Road match	Georeferenced to the road or rail
Road intersection	Georeferenced to the road intersection
Feature is a buffered point	Feature is a buffered point
Land adjacent to geocoded site	Land adjacent to Georeferenced Site
Network of features	Georeferenced to a network of features

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Appendix D – Photographs



Photograph 1: View of the eastern carpark, cracks and holes observed on bitumen pavement.



Photograph 2: Bitumen footpath on the south eastern side of site buildings. One tire, redundant wheelchair and other scrap materials observed.



Photograph 3: Asbestos eaves observed on building structures.



Photograph 4: Timber, aluminium, plastic, scrap materials noted to the east of building structures.



Photograph 5: Shed on the north western side of the site, scrap materials and redundant fridge noted.



Photograph 6: Glass, plastic, aluminium, scrap materials adjacent to shed on the western side of buildings.



Photograph 7: Hot Water Systems noted on the northern building, aluminium, timber and scrap materials observed.



Photograph 8: Dentistry medical instruments observed on ground surface on the northern side of the site.



Photograph 9: Chem PL drum in the small storage room within the western building.



Photograph 10: Floor polish stripper container in the small storage room within the western building.



Photograph 11: Flaking paint observed in poor condition on the eastern building.



Photograph 12: Workshop in the eastern building, with a Mercedes Benz drum, open paint containers, oil containers, redundant gas cylinder with fluorescent light fittings noted.



Photograph 13: Bin with paint thinner container, plastic and an insulation membrane observed.



Photograph 14: Drain adjacent to the western workshop entry.



Photograph 15: View of central car park to the west. Bitumen pavement observed in poor condition with cracking, holes and oil staining.



Photograph 16: View to the north of man-made mound observed adjacent to the central portion car park.



Photograph 17: Stagnant water on the western grassed cover portion of the site due to recent rainfall events.



Photograph 18: High power electrical tower north east of the site off Aquatic Drive.



Photograph 19: Ceramic pipe fragment on vegetation strip on western side of the site adjacent to Arranounbai School entry driveway. Indication of fill observed along this vegetation strip.



Photograph 20: Discoloured running water on vegetation strip adjacent to Arranounbai School entry driveway.

Appendix E – Title Search



Order number: 61469634
 Your Reference: Ryan
 17/03/20 14:36



NSW LRS - Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 12/1112906

SEARCH DATE	TIME	EDITION NO	DATE
17/3/2020	2:36 PM	-	-

CERTIFICATE OF TITLE HAS NOT ISSUED

LAND

LOT 12 IN DEPOSITED PLAN 1112906
 AT ALLAMBIE HEIGHTS
 LOCAL GOVERNMENT AREA NORTHERN BEACHES
 PARISH OF MANLY COVE COUNTY OF CUMBERLAND
 TITLE DIAGRAM DP1112906

FIRST SCHEDULE

THE STATE OF NEW SOUTH WALES

SECOND SCHEDULE (5 NOTIFICATIONS)

- 1 LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND CONDITIONS IN FAVOUR OF THE CROWN - SEE MEMORANDUM S700000A
- * 2 EASEMENT 30.48 METRES WIDE FOR TRANSMISSION LINE GAZ 28.10.1966 FOL 4440 (20925-3000) AFFECTING THE PART SHOWN SO BURDENED IN THE TITLE DIAGRAM
7404104 EASEMENT NOW VESTED IN ENERGYAUSTRALIA
- * 3 EASEMENT 30.48 METRES WIDE FOR TRANSMISSION LINE GAZ 22.8.1969 FOL 3332 (21852-3000) AFFECTING THE PART SHOWN SO BURDENED IN THE TITLE DIAGRAM
7404104 EASEMENT NOW VESTED IN ENERGYAUSTRALIA
- * 4 DP1022237 EASEMENT TO DRAIN WATER 2.0 METRE(S) WIDE APPURTENANT TO THE PART SHOWN SO BENEFITED IN THE TITLE DIAGRAM
- * 5 THE LAND IS A RESERVE WITHIN THE MEANING OF PART 5 OF THE CROWN LANDS ACT 1989 AND THERE ARE RESTRICTIONS ON TRANSFER AND OTHER DEALINGS IN THE LAND UNDER THAT ACT, WHICH MAY REQUIRE CONSENT OF THE MINISTER.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

PRINTED ON 17/3/2020

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Order number: 61183414
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 27/02/20 12:09



NSW LRS - Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 11/1194177

SEARCH DATE	TIME	EDITION NO	DATE
27/2/2020	12:09 PM	1	4/11/2019

LAND

LOT 11 IN DEPOSITED PLAN 1194177
 AT ALLAMBIE HEIGHTS
 LOCAL GOVERNMENT AREA NORTHERN BEACHES
 PARISH OF MANLY COVE COUNTY OF CUMBERLAND
 TITLE DIAGRAM DP1194177

FIRST SCHEDULE

CEREBRAL PALSY ALLIANCE (RP AP651076)

SECOND SCHEDULE (9 NOTIFICATIONS)

- 1 LAND EXCLUDES MINERALS (S.171 CROWN LANDS ACT 1989)
- 2 EXCEPTING LAND BELOW A DEPTH FROM THE SURFACE OF 15.24 METRE(S)
- 3 EASEMENT FOR TRANSMISSION LINE 9.14 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM - SEE GOV. GAZETTE 7/2/1975 FOL. 445
- 4 AD28389 CROWN LEASE TO THE SPASTIC CENTRE OF NEW SOUTH WALES CROWN HOLDING (LE389693). EXPIRES: 30/11/2056. OPTION OF RENEWAL: 40 YEARS.
 LEASE MAY NOT BE TRANSFERRED, MORTGAGED, SUB-LEASED OR DEALT WITH IN ANY OTHER SPECIFIED MANNER WITHOUT THE CONSENT OF THE MINISTER ADMINISTERING THE CROWN LANDS ACT, 1989 - SEE SECTION 44
 AM277391 CHANGE OF NAME AFFECTING CROWN LEASE. LESSEE NOW CEREBRAL PALSY ALLIANCE
- 5 THIS FOLIO CANNOT BE DEALT WITH SEPARATELY FROM THE BALANCE OF THE ABOVE HOLDING WHICH COMPRISES LOTS 11 IN DP1194177, 2853 IN DP822350 & 13 IN DP1112906
- 6 DP1194177 RESTRICTION(S) ON THE USE OF LAND
- 7 DP1194177 POSITIVE COVENANT
- 8 AP445086 RESTRICTION(S) ON THE USE OF LAND
- 9 AP445086 POSITIVE COVENANT

NOTATIONS

UNREGISTERED DEALINGS: R AP908133 PP DP1209014.

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Document Status

Revision	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
0	M. Torres	H. Milne		H. Milne		26/08/2020

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