



Preliminary Site Investigation

2 – 4 Guess Avenue, Wollongong, NSW
Confidential Privileged Communication

Prepared for:
Bayside Council
444 – 446 Princess Highway
Rockdale, NSW, 2216

5 April 2019





Distribution

Preliminary Site Investigation, 2 – 4 Guess Avenue, Wolli Creek, NSW

5 April 2019

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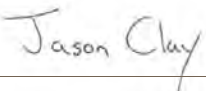
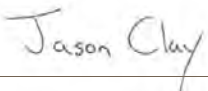
Senversa Pty Ltd

ABN: 89 132 231 380

Level 5, The Grafton Bond Building, 201 Kent St, Sydney NSW 2000

tel: + 61 2 8252 0000; fax: + 61 3 9606 0074

www.senversa.com.au

Primary Author		Project Manager	
	Michelle Damasio Graduate Environmental Engineer		Ben Farmer Senior Associate Environmental Engineer
Technical Peer Review		Project Director	
	Jason Clay Senior Principal		Jason Clay Senior Principal



Executive Summary

Senversa Pty Ltd (Senversa) was engaged by Bayside Council (Council) to undertake a Preliminary Site Investigation (PSI) at the site, which comprises Lot 101 and Lot 102 in Deposited Plan 808944.

The site is currently zoned as 'RE1 Public Recreation' (Lot 101 and Lot 102) under Rockdale Local Environmental Plan 2011, however, Council is seeking to rezone the entire site to 'B4 Mixed Use' and remove the site from the Land Reservation Acquisition Map. As such, Council requires a PSI to assess the potential risk associated with contamination resulting from current and historical land use practices and any potential constraints to the proposed rezoning.

Objectives and Scope of Investigation

The primary objective of this PSI was to develop an understanding of the potential for contamination to be present at the site, as a result of current and historical land uses, that may pose a risk to human health or ecological receptors.

To meet the above objective, Senversa reviewed the NSW Environment Protection Authority (NSW EPA) contaminated land register, historical aerial photographs, groundwater-bore information; relevant government databases, published soil, geology and topographic maps, previous investigations and completed a site inspection.

Results of the PSI

The results of the PSI indicated the following:

- The site is bounded by Arncliffe Street to the south-east, Guess Avenue to the south-west, Mount Olympus Boulevard to the north-west and high-rise residential dwelling to the north-east.
- The southern portion of the site (Lot 101) is accessed from Guess Avenue and comprises a truck repair and spare parts yard. The northern portion of the site (Lot 102) is vacant land, with access restricted due to the remediation works occurring during the site inspection. Previously, Lot 102 was also accessed from Guess Avenue. The site is fenced along all external boundaries, with a fence also separating the two lots.
- The site is underlain by fill materials with depths ranging between 0.6 m below ground level (bgl) to 2.0 m bgl. Fill materials are comprised of sands, sandy clays, sandy gravels and gravelly sands with anthropogenic material including asphalt, ash, road base, sandstone, clinker, aggregate, glass, brick, slag charcoal and ash. Natural material underlain is comprised of alluvial sand, silty sand and sand clay. It is noted that the majority of fill material on Lot 102 has been excavated and removed, with the residual natural sand remaining.
- The Atlas of Australian ASS and Salinity classifies the site and its surrounding as high probability (> 70% chance of occurrence) of potential acid sulfate soils (PASS) and / or monosulfidic black ooze (MBO), generally below 1 m of the surface.
- Groundwater is likely to be present within fill materials and shallow alluvial sediments (mostly sands, sandy clays and clays) from a depth of approximately 2.0 m bgl. Deeper aquifers are likely to be present within underlying fractured bedrock.
- Historical records indicated the site was utilised as market gardens, tramway yard / depot, storage depot, which may have included the storage, handling, and use of petroleum products, chemicals and potential hazardous substances.
- Nippon Truck Spares Pty Ltd currently owns Lot 101 and operates a truck parts repair and storage depot. The company repairs and reconditions old / dismantled trucks parts. The infrastructure on Lot 101 includes external engine-degreasing and cleaning areas, a waste-oil underground storage tank, drums and truck parts depot, an caustic-bath cleaning unit, a painting cabinet, an aboveground storage tank and internal storage areas. These activities have been undertaken since the 1990s.
- The northern portion of the site (Lot 102) is currently vacant and has undergone remediation, which was confirmed through signage on the site's fence.



Conclusions and Recommendations

Based on the results of the PSI, Senversa developed a conceptual site model (CSM) detailing potentially complete source-pathway-receptor linkages resulting from:

- historical and current operations;
- potentially impacted fill materials from unknown origin; and
- potential for acid sulfate soils (ASS) or PASS.

Based on the above and information reviewed as part of this PSI, Senversa considers that a detailed site investigation (DSI) is required to assess the contamination status of the site, specifically associated with Lot 101, and whether there is a potential risk to current and/or future human health of ecological receptors.

While the specific requirements of the DSI would be detailed within a sampling and analysis quality plan (SAQP), Senversa considers that the DSI should be undertaken on a targeted basis in consideration of the identified contaminants of potential concern (CoPCs) and include an assessment of soil and groundwater to characterise potential point sources of contamination based on historic and current site uses.

The results of the DSI would better inform whether remediation and/or management that may be required for the southern portion of the site (Lot 101). However, considering the type of redevelopment occurring in the surrounding area (high-density residential) and the recent successful remediation completed on the northern portion of the site (Lot 102), the entire site (Lot 101 and Lot 102) can likely be remediated, if required, and made suitable for land uses under B4 Mixed Use zoning.



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List of Acronyms

Acronym	Definition
ACM	Asbestos Containing Material
AEP	Annual Exceedance Probability
AHD	Australian Height Datum
AMG	Australian Map Grid
ASC NEPM	National Environment Protection (Assessment of Site Contamination) Measure
ASS	Acid Sulphate Soils
AST	Above Ground Storage Tank
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
CHC	Chlorinated Hydrocarbons
CLM	<i>Contaminated Land Management Act 1997</i>
CoPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
DCE	Dichloroethene
DCP	Development Control Plan
DP	Deposited Plan
DPI	Department of Primary Industries
DQO	Data Quality Objectives
DSI	Detailed Site Investigation
EPL	Environment Protection Licence
ESA	Environmental Site Assessment
GIL	Groundwater Investigation Level
m	Metre
m AHD	Metres Above Australian Height Datum
m bgl	Metres Below Ground Level
MBO	Monosulfidic Black Ooze
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NSW EPA	New South Wales Environment Protection Authority
OCP	Organochlorine Pesticides
OPP	Organophosphorus Pesticides



Acronym	Definition
PAH	Polycyclic Aromatic Hydrocarbons
PASS	Potential Acid Sulfate Soil
PCB	Polychlorinated Biphenyls
PFAS	Per and Polyfluoroalkyl Substances
POEO	<i>Protection of the Environment Operations Act 1997</i>
PSI	Preliminary Site Investigation
RAP	Remedial Action Plan
SAQP	Sampling and Analysis Quality Plan
SVOC	Semi Volatile Organic Compound
TCE	Trichloroethylene, Trichloroethene
TPH	Total Petroleum Hydrocarbons
TRH	Total Recoverable Hydrocarbons
VC	Vinyl Chloride
VOC	Volatile Organic Compound



1.0 Introduction and Objectives

1.1 Introduction

Senversa Pty Ltd (Senversa) was engaged by Bayside Council (Council) to undertake a Preliminary Site Investigation (PSI) at two properties located at 2 - 4 Guess Avenue, Wolli Creek, NSW (the site). The site is identified as Lot 101 and Lot 102 in Deposited Plan (DP) 808944 and covers an area of approximately 0.8 hectares (ha). The site location and its current layout is shown on **Figure 1**.

The site is currently zoned as 'RE1 Public Recreation' (Lot 101 and Lot 102) under Rockdale Local Environmental Plan 2011; however, Council is seeking to rezone the entire site to 'B4 Mixed Use' and remove the site from the Land Reservation Acquisition Map. As such, Council requires a PSI to be undertaken to assess the potential liability associated with contamination resulting from current and historical land use practices and any potential limitations to the proposed rezoning.

1.2 Objective

The primary objective of this PSI was to develop an understanding of the potential for contamination to be present at the site, as a result of current and historical land uses, that may pose a risk to human health or ecological receptors.

The objectives of this PSI are therefore to assess:

- The potential for contamination to be present on or beneath the site as a consequence of current or historical activities on and surrounding the site.
- The potential for the contamination to pose a risk to human health or ecological receptors (both on-site and off-site).
- The potential for the contamination to impact upon the suitability of the site for the proposed rezoning.

1.3 Scope of Work

To meet the project objectives, Senversa completed the following scope of works:

- Review of background information relating to the site, including:
 - The NSW Environment Protection Authority (EPA) Contaminated Land Register.
 - Historical aerial photographs.
 - Groundwater bore information.
 - Relevant government databases.
 - Published soil, geology and topographic maps.
- A site inspection to understand the current site land-use.
- Data evaluation and reporting.

The work was conducted with reference to relevant parts of the following guidelines:

- National Environment Protection Council (1999). *National Environment Protection (Assessment of Site Contamination) Measure 1999 (ASC NEPM (1999)) (as amended May 2013)* - herein referred to as the ASC NEPM (2013).
- NSW EPA (2017). *Contaminated Sites: Guidelines for the NSW Site Auditor Scheme* (3rd edition).
- NSW Office of Environment and Heritage (2011). *Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites*.



2.0 Site Identification

The site identification information is presented in **Table 1** below:

Table 1: Site Identification Details

Item	Description
Site Address	2 – 4 Guess Avenue, Wolli Creek, NSW
Legal Description	<ul style="list-style-type: none">• Lot 101 in DP 808944.• Lot 102 in DP 808944.
Local Government Area	Bayside Council
Current Zoning	<ul style="list-style-type: none">• Lot 101 DP808944: RE1 Public Recreation.• Lot 102 DP808944: RE1 Public Recreation.
Proposed Future Zoning	<ul style="list-style-type: none">• Lot 101 DP808944: B4 Mixed Use.• Lot 102 DP808944: B4 Mixed Use.
Geographical Coordinates (AMG)	33° 55' 51" S 151° 09' 07" E (centre of site)
Site Elevation (m AHD)	Approximately 2 – 6 m Australian Height Datum (AHD)
Site Location	Figure 1
Site Layout	Figure 2



3.0 Site Background Review

3.1 Site Setting

The following sections summarise the information obtained during the site background and history review. A copy of database search results is provided in **Appendix A**.

Table 2: Site Summary

Item	Detail
Site Location	2 – 4 Guess Avenue, Wolli Creek, NSW.
Site Area	Approximately 0.8 ha
Current Zoning	<ul style="list-style-type: none"> Lot 101 DP808944: RE1 Public Recreation. Lot 102 DP808944: RE1 Public Recreation.
Current Land Use	<ul style="list-style-type: none"> Lot 101 DP808944: truck repair and spare parts yard. Lot 102 DP808944: vacant land.
Surrounding Land use	<p>The land uses surrounding the site were:</p> <ul style="list-style-type: none"> North – Mount Olympus Boulevard, railway and Wolli Creek. South – Arncliffe Street, high-density residential dwellings, commercial / industrial properties then Princess Highway. East – high-density residential dwellings, commercial properties, Cahill Park and Cooks River. West – Guess Avenue, high-density residential dwellings, railway and low to medium-density residential dwellings.
Topography	<ul style="list-style-type: none"> The elevation of the site ranges from approximately 2 - 6 m AHD sloping from the north-west to the south-east direction. However, due to recent remedial excavation works on Lot 102, at the time of the site inspection the elevation of northern portion (Lot 102) of the site was approximately 2-3 m lower than the southern portion (Lot 101). The site was generally flat, although the surface of the northern portion of the site was approximately 2-3 m lower, as described above. The surrounding area was generally flat with a slight slope to the south-east.
Hydrology	<ul style="list-style-type: none"> During site inspection works, no surface water was observed within the site. The closest surface water bodies to the site are Wolli Creek, located approximately 280 m north of the site, and Cooks River, located approximately 300 m east of the site. A minor urban stormwater drainage channel was located approximately 80 m to the south-east that drains into Cooks River. Surface runoff, within the sealed portion of the site (Lot 101), is expected to flow towards stormwater drains located within the site and its boundary towards stormwater infrastructure located within the surroundings roadways and eventually flowing into Cooks River. Rainfall within Lot 102, which has undergone recent remedial excavation works, would currently infiltrate into surface soils.



Item	Detail
Geology, Soils and Naturally Occurring Asbestos	<ul style="list-style-type: none"> A review of Geological Survey of NSW 1:100 000 geological map indicates the site to be underlain by Holocene Quaternary sediments formed within estuarine environment (Cooks River floodplain). Sediments are described as silty to peaty quartz sand, silt, and clay with ferruginous and humic cementation in places and common shell layers. These sediments are underlain by Hawkesbury Sandstone. Soil mapping provided by NSW OEH, described the soil within the site as deep (>250 cm) yellow podzolic soils and yellow solodic soils on older alluvial terraces and deep (>250 cm) solodic soils and yellow solonetz on the floodplain. Previous investigations were undertaken on-site (a summary is provided within Section 3.3) by Coffey (2004) on Lot 101 and by Greencap (2016) on Lot 102. According to Coffey, soil within Lot 101 was found to contain fill materials comprised of sand, sandy clay and sandy gravel with some anthropogenic inclusions (aggregate, sandstone, glass, brick, slag charcoal and ash) with depths ranging between approximately 0.95 m below ground level (bgl) to 1.5 m bgl. Fill material was underlain by alluvial sand, silty sand and sand clay to the maximum depth of the investigation (4 m bgl). According to Greencap (2016), fill material was presented across Lot 102 with depths ranging between 0.6 m bgl to 2.1 m bgl and it was comprised of a gravelly sand with anthropogenic material including asphalt, ash, road base, sandstone and clinker. Natural materials underlying the fill comprised: yellow, brown or grey medium grained sand or clayey sand overlying a layer of clay or sandy clay. The site is not located within an area reported to have naturally occurring asbestos.
Acid Sulfate Soils (ASS)	<ul style="list-style-type: none"> A review of the Acid Sulfate Soil (ASS) Risk Maps (NSW OEH, 2012) suggests that the site is located within class 3 ASS, presenting an environmental risk where works are undertaken more than 1 m below natural ground surface and / or where the watertable is likely to be lowered more than 1 m below natural ground surface. The Atlas of Australian ASS and Salinity classifies the site and its surrounding as high probability (> 70% chance of occurrence) of potential acid sulfate soil (PASS) and / or monosulfidic black ozone (MBO), generally below 1 m of the surface. Previous investigations have not tested soil materials for ASS or PASS. Senversa notes that where works are undertaken within the site's subsurface ASS may present an environmental risk.
Hydrogeology	<ul style="list-style-type: none"> A search of the NSW Department of Primary Industries (DPI) database of registered groundwater bores within a 1 km radius of the site indicated approximately 22 registered groundwater monitoring bores. Standing water levels within groundwater bores were measured at approximately 1.24 – 2.10 m bgl, with the bore depths ranging from 2.1 m bgl to 6.0 m bgl. There were no registered bores located within the site. Based on drillers logs for the surrounding monitoring bores, Senversa considers that shallow groundwater may be present within fill materials and shallow alluvial sediments (mostly sands, sandy clays and clays) from a depth of approximately 2.0 m bgl (for Lot 101). Deeper aquifers are likely to be present within underlying fractured bedrock.



3.2 Site History

3.2.1 Aerial Photography

Historical aerial photographs (**Appendix A**) were reviewed as part of the assessment of the site history, with a summary presented in **Table 3**.

Table 3: Summary of Historical Aerial Photographs

Photograph Details	Description
1930 – Black and White	<ul style="list-style-type: none"> Site – the site appears to be comprised of vacant land and due to the low quality of the aerials no more details can be provided. Surrounds – a railway line can be observed along the north-west and north-east boundaries of the site. Some low-density residential dwellings are present to the south-west and south-east of the site. Agricultural land can be observed to the south of the site and an artificial water channel was also present. The Princes Highway is present to the south. Some wetlands can be observed east and north of the site. Cahill Park and its artificial water channel were south-east of the site.
1943 – Black and White	<ul style="list-style-type: none"> Site – the site has been developed and some buildings can be observed within the central and eastern portions of the site. A portion of land to the east of the site appears to be part of the same property, where a yard / tram depot can be observed. The northern portion of the site seems to consist of market gardens. Surrounds – a yard / tramway depot area and some small buildings can be observed along the eastern boundary of the site and along the railway line. An artificial water channel can be observed to the south-east and east of the site.
1951 – Black and White	<ul style="list-style-type: none"> Site – no significant changes from 1943 aerial photography. Surrounds – no significant changes from 1943 aerial photography with the exception of a few more commercial / industrial developments to the west, east and north-east of the site.
1961 – Black and White	<ul style="list-style-type: none"> Site – the buildings at the site have been demolished and possible stockpiles can be observed throughout the site. The site appears to be completely unsealed. Surrounds – the existing tramway depot to the north of the site has been redeveloped and a number of commercial / industrial properties can be observed. The agricultural area to the south of the site has been developed into commercial / industrial properties. Some vacant land can be observed within the area.
1963 – Black and White	<ul style="list-style-type: none"> Site – the site was comprised of vacant land. Surrounds – a development to the north / north-east of the site (previously a tramway depot) can be observed. Anecdotal evidence suggests that a tar distillery was present within this area along the railway line.
1970 – Black and White	<ul style="list-style-type: none"> Site – three connected commercial / industrial buildings have been constructed along Arncliffe Street (Lot 101), generally consistent with the current site layout. Parked trucks can be observed in the central west portion of the site, but the site appears to remain largely unsealed. Surrounds – the majority of the site surroundings have been redeveloped to contain commercial / industrial properties. To the north of the site, the commercial / industrial property which may have been the tar distillery can be observed with more details as a stack, silos, the conveyor belt and raw material storage areas are visible.
1975 – Black and White	<ul style="list-style-type: none"> Site – a large commercial / industrial building has been constructed in the northern portion of the site (Lot 102) and a small building in the eastern corner is now present. Surrounds – no significant changes observed from 1970 aerial photography.
1982 – Colour	<ul style="list-style-type: none"> Site – an extension to the east building has been added and the site appears to have been sealed. Surrounds – no significant changes observed from 1975 aerial photography.
1986 – Colour	<ul style="list-style-type: none"> Site – no significant changes observed from 1982 aerial photography, materials are stored throughout the site. Surrounds – some buildings have been demolished, seemingly in preparation for future construction of newer commercial / industrial buildings. The remainder of the surrounding area was generally consistent with the 1982 aerial photography.



Photograph Details	Description
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1994 – Colour	<ul style="list-style-type: none"> Site – the site was divided in two different properties, with a wall constructed along the lot boundary. The amount of material storage has increased in Lot 101 and a small building has been constructed attached to main buildings. Surrounds – no significant changes observed from 1986 aerial photography.
2002 – Colour	<ul style="list-style-type: none"> Site – no significant changes observed from 1994 aerial photography. Surrounds – some commercial / industrial properties have been demolished to the west of the site, across the railway line. The large property, to the north of Discovery Point Place has been redeveloped as Wolli Creek Train Station.
2004 – Colour	<ul style="list-style-type: none"> Site – no significant changes observed from 2002 aerial photography. Surrounds – several properties surrounding the site have been redeveloped to contain high-density residential dwellings.
2010 – Colour	<ul style="list-style-type: none"> Site – no significant changes observed from 2004 aerial photography. Surrounds – no significant changes observed from 2004 aerial photography, except for the construction of Mount Olympus Boulevard along the north-west boundary of the site.
2014 – Colour	<ul style="list-style-type: none"> Site – no significant changes observed from 2010 aerial photography. Surrounds – a supermarket has been constructed to the east of the site. High-density residential dwellings were under construction.
2016 – Colour	<ul style="list-style-type: none"> Site – no significant changes observed from 2014 aerial photography. Surrounds – no significant changes observed from 2014 aerial photography, except for the development of several high-density residential dwellings in the area.
2018 – Colour	<ul style="list-style-type: none"> Site – the buildings and concrete surface in northern portion of the site (Lot 102) have been demolished and earth works were conducted. Surrounds – no significant changes observed from 2016 aerial photography, except for further development of high-density residential dwellings.

3.2.2 Historical Business Records

A search of historical business records for the site and surrounding area (200 m radius) was undertaken from the 1930s to the 1990s. The results of the search are summarised below, and a complete copy of historical business records is provided in **Appendix A**.

Table 4: Summary of Key Historical Businesses

Year of Records	Listed business types
1930s trade directory	<ul style="list-style-type: none"> No available records.
1940s trade directory	<ul style="list-style-type: none"> Nursery.
1950s trade directory	<ul style="list-style-type: none"> Nursery. Electrical appliances & equipment manufacturing. Clothing manufacturing.



Year of Records	Listed business types
1960s trade directory	<ul style="list-style-type: none"> Chemical manufacturing. Sheet metal workers. Metal spinners. Foundries. Laminated panels. Motor panel beaters. Motor wreckers.
1970s trade directory	<ul style="list-style-type: none"> Asbestos manufacturing and / or suppliers. Engineers general, manufacturing and / or mechanical. Founders ferrous and non-ferrous. Steel fabricators. Motor cycle accessories manufacturing and accessories. Electroplaters manufacturing. Chemists industrial and manufacturing. Foundries iron and steel.
1980's trade directory	<ul style="list-style-type: none"> Motor body builders and repairers. Panel beaters and / or painters. Motor accessories manufacturing and / or wholesalers. Windows metal manufacturing and wholesalers. Steel fabrication and / or manufacturing. Motor engineers and repairers. Motor replacement parts.
1990's trade directory	<ul style="list-style-type: none"> Panel beaters and / or painters. Lifts, maintenance and repairs. Motor wreckers. Fuel injection and equipment and / or service. Motor engineers / repairers.

3.2.3 Site Notified as Contaminated to the NSW EPA

A search of the NSW EPA contaminated land database undertaken for a 1 km buffer area of the site is provided in **Appendix A** and summarised in **Table 5**.

Table 5: Summary of NSW EPA Notified Contaminated Sites

Site	EPA Site Management Class	Distance from Site
Former Ausgrid Substation	Regulation under the <i>Contaminated Land Management Act 1997</i> (CLM Act) not required	276 m to the south-east
7-Eleven Arncliffe	Regulation under the CLM Act not required	290 m to the south-east
Wolli Creek Aqueduct	Regulation under the CLM Act not required	363 m to the north-east
Tulloch Australia Pty Ltd	Contamination currently regulated under the CLM Act	454 m to the south-west
RTA Land	Contamination currently regulated under the CLM Act	762 m to the north-west
Mackey Park	Regulation under the CLM Act not required	798 m to the north-west



Site	EPA Site Management Class	Distance from Site
Alexandra Canal Sediments	Contamination currently regulated under the CLM Act	826 m to the south-east
Cooks River Aqueduct	Contamination currently regulated under the CLM Act	847 m to the north-west
Caltex Service Station	Contamination currently regulated under the CLM Act	867 m to the north-west
Former Temp Tip	Contamination currently regulated under the CLM Act	898 m to the north-east
Tempe Depot	Regulation under the CLM Act not required	925 m to the north-west

3.2.4 NSW EPA Contaminated Land Records of Notice

A search of the NSW EPA Contaminated Land Records of Notice database undertaken for a 1 km buffer area of the site is provided in **Appendix A** and summarised below.

Table 6: Summary of NSW EPA Contaminated Land Records

Site	Notices	Distance from Site
Tulloch Australia Pty Ltd	3 current notices	453 m to the south-west
RTA Land	2 current notices	761 to the north-west
Alexandra Canal Sediments	2 current notices	825 m to the south-east
Cooks River Aqueduct	1 former notice	846 m to the north-west
Caltex Service Station	2 current notices	868 m to the north-west
Former Temp Tip	2 current and 6 former notices	897 m to the north-east

3.2.5 NSW EPA Licenced Activities Search

A search of the NSW EPA record of licenced activities under the *Protection of the Environment Operations Act 1997* was undertaken for a 1 km buffer area of the site for both current and de-licenced activities (**Appendix A**). There were no current records of licensed activities identified for the site or in the surroundings areas. However, two de-licenced activities were identified as detailed in **Table 6**.

Table 7: Delicensed Properties

EPL # ¹	Organisation	Address	Activity	Distance from Site
6601	Morris, McMahon & Co Pty Ltd	34 Arncliffe Street, Arncliffe	Hazardous Industrial or Group A Waste Generation or Storage	101 m to the south-west
11304	A.C.N. 001 022 411 Pty Ltd (Tulloch)	61 Turrella Street, Turrella	Waste storage, hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	383 m to the north-west

Table Notes:

1 – EPL = environment protection licence.



3.2.6 Dangerous Goods Search

A search of the SafeWork NSW Storage of Hazardous Chemicals database was undertaken for Lot 101 (D19/070281) and did not locate any records. A copy of the search is provided within **Appendix B**.

According to Coffey (2004) a WorkCover search (35/022349) indicated one record for the site, dated May 1979, when Lot 101 and Lot 102 were part of the same parcel of land. The licence was held for the storage of 250 L aggregate of flammable liquids and Class 1 dangerous goods or equivalent.

Greencap (2016) did a SafeWork NSW search, which also indicated a record for the storage of up to 250 L aggregate. According to this record, chemicals were stored in an indoor cabinet situated in a laboratory in the north-eastern section of the southern main building located within Lot 102.

3.2.7 NSW EPA Per and Polyfluoroalkyl Substance (PFAS) Investigation Program

A search of the NSW EPA PFAS Investigation Program database undertaken for a 2 km buffer area of the site identified that the Botany Bay area, including the Botany Industrial Park and Sydney Airport (located approximately 906 m to the east) as a potential source of PFAS contamination.

3.2.8 Waste Management Database

A search of the Waste Management Facilities database undertaken for a 1 km buffer area of the site indicated that no waste management facilities are present, however, historical legacy landfills are located 302 m to the north (Waterworth Park Old Garbage Tip) and 898 m to the north-east of the site (Tempe Tip).

3.2.9 Certificate of Title

A search of NSW land titles records was undertaken to determine historical ownership of the site. A summary of records is presented in **Table 6**.

Table 8: Summary of Historical Land Titles

Year	Site Owner
Lot 101 DP 808944	
1991 – to date	Zinnia Holdings Pty. Limited Current Nippon Truck Spares Pty Ltd
1966 – 1991	The Water Conservation and Irrigation Commission Currently Water Resources Commission
1913 – 1966	The Chief Commissioner for Railways and Tramways Currently the Commissioner for Government Transport
Lot 102 DP 808944	
2018 – to date	Property NSW
1966 – 2018	The Water Conservation and Irrigation Commission Currently Water Resources Commission
1913 – 1966	The Chief Commissioner for Railways and Tramways Currently the Commissioner for Government Transport



3.2.10 Bayside Council Planning Certificate

According to the Bayside Council Planning Certificate under Section 10.7 (2) & (5) (*Environmental Planning & Assessment Act 1979*) the site is affected by policies that restrict the development of the land due to the likelihood of flood occurrence. The plan states that the site may be affected by the 1% Annual Exceedance Probability (AEP) flood and due to that reason, the development of the land or part of the land for such a purpose may be subject to flood related development controls.

The Rockdale Development Control Plan – DCP (2011) includes a policy on contaminated land which may restrict the development of the land, when zoning or land use changes are proposed.

No matters pertaining to the CLM Act 1997 were included on the Planning Certificate.

It is noted that the current approved zoning of Lot 101, as listed in the Council Section 10.7 Planning Certificate (**Appendix C**), is for both RE1 Public Recreation and B4 Mixed Use. However, this is considered an error and has been confirmed by Council. The current approved zoning for Lot 101 is RE1 Public Recreation, consistent with the current zoning for Lot 102.

A copy of the Planning Certificates for the site are included in **Appendix C**.

3.3 Previous Investigations

In undertaking this PSI, Senversa undertook a review of the following previous reports:

Lot 101 DP808944

- Coffey Geosciences Pty Ltd (Coffey) 2004, Environmental Site Assessment, 2 Guess Avenue, Arncliffe, NSW, 29 October 2004. (Coffey, 2004).

Lot 102 DP808944

- Greencap (2016), *Detailed Site Investigation, Government Property New South Wales, 16 Guess Avenue, Wolli Creek NSW*, September 2016. (Greencap, 2016).
- JBS&G (2018), *Remedial Action Plan, 4-16 Guess Avenue Wolli Creek, NSW*, 30 August 2018. (JBS&G, 2018).
- JBS&G (2019), *Validation Report, 4-16 Guess Avenue Wolli Creek, NSW*, 25 February 2019. (JBS&G, 2019).

3.3.1 Coffey (2004)

Coffey conducted an environmental site assessment (ESA) to identify the presence of potential contaminants on Lot 101. The scope of works included a review of site history, a site inspection, intrusive works, laboratory analysis of soil and groundwater, data assessment and reporting.

At the time of Coffey's site inspection, the site was mostly concreted sealed and used as an engine reconditioning, recycling and repair facility. The facility was comprised of a warehouse building, an acid bath cleaning area, engine degreasing and cleaning areas, a waste oil recirculation system and a workshop. Engine parts, spare tyres, plastic containers and metal drums containing dangerous goods (oil, petroleum and solvents) were found outside of the building.

A WorkCover NSW search was conducted and indicated one licence granted for the storage of up to 250 L of flammable liquids and Class 1 dangerous goods or their equivalent. According to the plan provided by WorkCover NSW, the storage area of flammable liquids was located within Lot 102 of DP808944, which used to be part of the same parcel of land as Lot 101 of DP808944. There were no records of underground storage tanks (UST) documented, but a waste oil UST was observed during the site inspection.



Intrusive works included the advancement of 7 boreholes up to 3 m bgl and the installation and sampling of 4 monitoring wells. Based on the results of the investigation, Coffey concluded the following:

- Soil contamination was generally confined to fill materials (depth ranged from 0.95 mbgl to 1.5 m bgl) with the more heavily impacted fill material observed to contain ash, charcoal and slag. The fill material was underlain by alluvial sand, silty sand and sandy clay.
- The soil investigation results identified concentrations of heavy metals, benzo(a)pyrene and polycyclic aromatic hydrocarbons (PAH) above the adopted health and environmental assessment criteria. Soil samples were not analysed for PASS or ASS.
- Coffey recommended that remediation of PAH contamination within fill and underlying natural material would be required for the site to be suitable for either open space or mixed zone use. The volume of fill material that required remediation was estimated to be 4,800 m³.
- Groundwater was found to be shallow, ranging between 1.84 m bgl to 2.03 m bgl, with concentrations of heavy metals identified above the adopted environmental assessment criteria.
- PAHs were not detected within groundwater samples; however, the laboratory detection limits were above the adopted criteria for some PAH compounds.
- Trichloroethene (TCE) was detected in one groundwater sample (MW3) at a concentration of 21 µg/L.
- Further assessment of the lateral extent of TCE in groundwater and additional sampling of groundwater for PAHs was recommended by Coffey.
- Coffey also suggested that the waste oil UST should be removed and any associated contamination remediated.

3.3.2 Greencap (2016)

Greencap was engaged by Property NSW to undertake a detailed site investigation (DSI) for Lot 102. The scope of the investigation involved a desktop review including the review of previous investigations undertaken, a site inspection, intrusive works including the drilling of soil bores and sampling of pre-existing monitoring wells, laboratory analysis of soil and groundwater, data assessment and reporting.

A dangerous goods search by SafeWork NSW was conducted (35/037661), which found a record from 1979 for the storage of 250 L aggregate for acetone, benzene, toluene, methyl ethyl ketone, methyl isobutyl ketone, mineral turpentine, kerosene, methylated spirits and ethanol. A copy of the dangerous good search conducted by Greencap is presented in **Appendix B**.

The historical review completed by Greencap revealed that the tramway depot had a tar distillery for production of solvents, oils and disinfectants, which was likely to be located to the north to north-east of Lot 102. It is understood that Sinclair Knight Merz undertook an investigation, remediation and validation of soil and groundwater contaminated by total petroleum hydrocarbons (TPH), PAH, TCE, dichloroethene (DCE), and vinyl chloride (VC) at the tar distillery.

At the time of the Greencap, Lot 102 was being used by Sydney Water as a storage and works depot and the majority of the surface was concrete sealed. The intrusive investigation included the advancement of 11 soil bores up to 3 m bgl and the sampling of three previously installed monitoring wells. The adopted investigation criteria considered two land uses for the site (recreation open space and residential and commercial use with minimal access to soil).

Based on the results of the investigation, Greencap concluded the following:

- The primary source of contamination was historic filling containing elevated concentrations of PAHs, TRH, lead and copper that was brought on-site between 1961 and 1970. The fill material thickness was found to range from 0.6 m bgl to 2.1 m bgl and was comprised of a gravelly clay with anthropogenic material, including asphalt, ash, road base and clinker.
- PAHs and TRH concentrations exceeded the adopted investigation criteria for both public open space and mixed use land use.
- Groundwater flow direction was inferred to the east in the direction of Cooks River. The groundwater was found to be impacted by copper, nickel and zinc at concentrations exceeding the adopted Groundwater Investigation Levels (GILs).



- Greencap recommended that due to elevated PAH concentrations in the fill material, remediation was suggested to make the lot suitable for the proposed future open space or mixed use land use.
- A human-health risk assessment was also recommended to qualitatively characterise the contamination present on-site to develop site-specific remediation criteria.

3.3.3 JBS&G (2018)

JBS&G was engaged by Property NSW to develop a Remedial Action Plan (RAP) for the identified soil contamination at Lot 102. The objectives of the RAP were to:

- Define the extent of remediation required based on the proposed land use (high-density residential).
- Identify the remedial strategies to be adopted.
- Document the procedures and standards to be followed in order to remove the risks posed by contaminated soils to make the site suitable for the proposed land use.

The preferred strategy for remediation of contaminated material was defined by JBS&G to be excavation and off-site removal to a licensed waste facility.

The RAP also defined an unexpected finds protocol in case any residual hazards from unexpected sources and / or unexpected locations were encountered during remediation works.

3.3.4 JBS&G (2019)

JBS&G was engaged by Property NSW, to provide validation of the remediation works at Lot 102.

Prior to the commencement of remediation works, a Data Gap Investigation (DGI) was undertaken by JBS&G to complement previous investigation data (Greencap 2016). Waste classification samples were collected and analysed and a waste classification letter classified the fill material proposed to be exported from site, as General Solid Waste (non-putrescible).

The remediation works were completed by Environmental Services Group (ESG) between 13 November 2018 to 20 February 2019. All material with identified contamination and aesthetic issues were excavated and disposed offsite at an appropriately licensed landfill. Minor quantities of fill material remain within batters around the boundary of Lot 102.

JBS&G concluded that Lot 102 has been successfully remediated to the extent practicable and validated as suitable for future high-density residential land use subject to management of residual contamination in fill material within the boundary batters.



4.0 Site Inspection

A site inspection was undertaken by Senversa on 7 February 2019 to assess the nature of the current land uses. Photographs taken during the inspection are included in **Appendix D**.

The southern portion of the site (Lot 101) was accessed from Guess Avenue and comprised a truck repair and spare parts yard. The northern portion of the site (Lot 102) was vacant, with access restricted due to the remediation works occurring at the time of the site inspection. Lot 102 had previously been accessed from Guess Avenue. The site is fenced along all external boundaries, with a fence also separating the two lots.

A summary of the observations during the site inspection is provided below.

Lot 101 DP808944

- Nippon Truck Spares Pty Ltd currently owns the lot and operates a truck parts repair and storage depot. The company repairs and reconditions old / dismantled trucks parts. These activities have been undertaken since the 1990's.
- The lot was largely sealed by concrete with some minor unpaved landscape areas along south-eastern and south-western boundaries.
- Anecdotal evidence and review of historical aerial photographs indicates that the initial concrete slab was laid on-site in the early 1970s and ranges in thickness between 0.1 m in the eastern portion to 0.4 m along the central lot boundary. A number of cracks and hydrocarbon stains were observed on the slab across the lot.
- Two main buildings of corrugated steel construction are present in the eastern portion of the lot. The uncovered sealed areas were used for storage of dismantled truck engine parts, tyres, wood pallets, scrapped metal and drums, which were used for chemical storage. No potential asbestos containing material (PACM) was observed during the site inspection.
- Engine-degreasing and cleaning areas were present adjacent to the main buildings. Both areas have a drainage system for its waste water, which is pumped to an oil / water separator. The waste water is pumped from the separator to a stormwater pit and the waste oil is placed within a waste oil UST. A drum located adjacent to the degreasing and cleaning areas was labelled as "used oil".
- At the time of the site inspection, the UST dipping point and its immediate surrounds showed signs of hydrocarbons staining.
- A caustic bath cleaning unit was observed adjacent to the workshop area in the lot's northeast corner. The unit has an agitator attached.
- A painting cabinet was observed inside of the main building, where storage racks of truck engines and other parts were also observed. The cabinet had corrugated filters and an exhaust system.
- An above ground storage tank (AST) was observed within the storage racks area. The tank was non-bunded and held approximately 1,500 L of diesel.
- Four monitoring wells previously installed by Coffey (2004) were not located during the site inspection, potentially being covered by equipment and storage racks.

Lot 102 DP808944

- The lot was undergoing remediation works at the time of the site inspection, as confirmed by signage on the site's fence.
- The site was unsealed with soil exposed and a residual ground surface level approximately 2 m below that of the adjacent properties and road surfaces at that time.



5.0 Conceptual Site Model

5.1 Introduction

"A conceptual site model (CSM) is a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The development of a CSM is an essential part of all site assessments and provides the framework for identifying how the site became contaminated and how potential receptors may be exposed to contamination either in the present or the future." ASC NEPM (2013).

5.2 Sources of Contamination

Based on the site history and background data reviewed and Senversa's professional experience, the Contaminants of Potential Concern (CoPC) associated with current and historical land uses undertaken at the site and in the surrounding area are summarised in **Table 8**.

Table 9: Contaminants of Potential Concern

Potential Source	Contaminants of Potential Concern	Comment	
On-Site	Potential Source 1 – historical site uses / operations	Solvents, semi volatile and volatile organic compounds (VOCs / SVOCs), organochlorine and organophosphorus pesticides (OCP/OPPs); TPH; benzene, toluene, ethylbenzene and xylenes (BTEX); chlorinated hydrocarbons (CHCs) (e.g. TCE); heavy metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc); PAHs, phenols and asbestos.	<ul style="list-style-type: none">Historical land uses as market gardens, tramway depot, workshops and truck part reconditioning and storage.
	Potential Source 2 – fill materials of unknown origin	Asbestos, TPH, BTEX, polychlorinated biphenyls (PCB), heavy metals, VOCs, SVOCs and OCP/OPPs.	<ul style="list-style-type: none">Potential imported fill materials used during construction of the site.
	Potential Source 3 – current site use (truck repair and spare part yard)	CHC solvents (e.g. TCE), TPH, PAHs, BTEX, phenol, heavy metals, alkalis (sodium and calcium hydroxide), acids (sulfuric, phosphoric) and asbestos.	<ul style="list-style-type: none">Historical land use as a truck repair with storage of dangerous goods and potential leaks within waste oil system / UST and acid bath.
	Potential Source 4 – ASS or PASS	Acidity.	<ul style="list-style-type: none">The site contains high probability (> 70% chance of occurrence) of ASS or PASS.
Off-Site	Potential Source 5 – historical surrounding commercial / industrial land uses	PFAS, TPH, BTEX, PAHs, PCBs, heavy metals, VOCs, SVOCs, OCP/OPPs and asbestos.	<ul style="list-style-type: none">The surrounding area has historically been utilised for a range of commercial / industrial land uses including market gardens, tramway depot, rail terminals, tar distillery, foundries, asbestos manufacturing and other mixed industries.



5.3 Potential Pathways

The primary potential exposure pathways of concern at the site are:

- Inhalation of vapour (from soil and/or groundwater).
- Dermal contact and/or incidental ingestion with contaminated soils.
- Transport of contamination through surface water flows.
- Transport of contamination to underlying groundwater aquifers.

5.4 Potential Receptors

Key receptors have been identified as:

- Current and future site users (commercial and residential).
- Workers carrying out intrusive construction work or maintenance works.
- Groundwater beneath the site.
- Adjacent sensitive receptors (e.g. Wolli Creek and Cooks River).

5.5 Qualitative Evaluation of Environmental Risk

As outlined within the CSM presented above, Senversa considers there to be potentially complete source-pathway-receptor pollutant linkages at the site resulting from:

- historical operations including market gardens, tramway yard / depot and storage depot, which may have included the storage, handling, and use of petroleum products, chemicals and potential hazardous substances.
- potentially impacted fill materials from unknown origin.
- current site use as truck repair and spare part yard.
- potential for ASS or PASS.

Based on information reviewed as part of this PSI, Senversa considers that additional investigation is required to assess the contamination status of the site, principally associated with Lot 101.

Prior to undertaking further works, a Sampling and Analysis Quality Plan (SAQP) detailing the required Data Quality Objectives (DQO) for further investigation should be developed.

While the specific requirements of the DSI would be detailed within the SAQP, Senversa considers that the DSI should be undertaken on a targeted basis in consideration of the identified CoPCs and include an assessment of soil and groundwater to characterise potential point sources of contamination.



6.0 Conclusions and Recommendations

Senversa was engaged by Council to undertake a PSI at the site, which comprises Lot 101 and Lot 102 in DP 808944 (**Figure 1**).

The site is currently zoned as 'RE1 Public Recreation' (Lot 101 and Lot 102) under Rockdale Local Environmental Plan 2011; however, Council is seeking to rezone the entire site to 'B4 Mixed Use' and remove the site from the Land Reservation Acquisition Map. As such, the Council requires a PSI to assess the potential risk associated with contamination resulting from current and historical land use practices and any potential constraints to the proposed rezoning.

Objectives and Scope of Investigation

The primary objective of this PSI was to develop an understanding of the potential for contamination to be present at the site, as a result of current and historical land uses, that may pose a risk to human health or ecological receptors.

To meet the above objective, Senversa reviewed the NSW EPA contaminated land register, historical aerial photographs, groundwater-bore information; relevant government databases, published soil, geology and topographic maps, previous investigations and conducted a site inspection.

Results of PSI

The results of the PSI indicated the following:

- The site is bounded by Arncliffe Street to the south-east, Guess Avenue to the south-west, Mount Olympus Boulevard to the north-west and high-rise residential dwellings to the north-east.
- The southern portion of the site (Lot 101) is accessed from Guess Avenue and comprises a truck repair and spare parts yard. The northern portion of the site (Lot 102) is vacant land, with access restricted due to the remediation works occurring during the site inspection. Previously, Lot 102 was also accessed from Guess Avenue. The site is fenced along all external boundaries, with a fence also separating the two lots.
- The site is underlain by fill materials with depths ranging between 0.6 m to 2.0 m bgl. Fill materials are comprised of sands, sandy clays, sandy gravels and gravelly sands with anthropogenic material including asphalt, ash, road base, sandstone, clinker, aggregate, glass, brick, slag charcoal and ash. Natural material underlain is comprised of alluvial sand, silty sand and sand clay. It is noted that the majority of fill material on Lot 102 has been excavated and removed, with the residual natural sand remaining.
- The Atlas of Australian ASS and Salinity classifies the site and its surrounding as high probability (> 70% chance of occurrence) of PASS and / or MBO, generally below 1 m of the surface.
- Groundwater is likely to be present within fill materials and shallow alluvial sediments (mostly sands, sandy clays and clays) from a depth of approximately 2.0 m bgl. Deeper aquifers are likely to be present within underlying fractured bedrock.
- Historical records indicated the site was utilised as market gardens, tramway yard / depot, storage depot, which may have included the storage, handling, and use of petroleum products, chemicals and potential hazardous substances.
- Nippon Truck Spares Pty Ltd currently owns Lot 101 and operates a truck parts repair and storage depot. The company repairs and reconditions old / dismantled trucks parts. These activities have been being undertaken since the 1990s.
- The southern portion of the site (Lot 101) comprises external engine degreasing and cleaning areas, a waste oil UST, drums and truck parts depot, a caustic bath cleaning unit, a painting cabinet, a diesel AST and internal storage areas.
- The northern portion of the site (Lot 102) is currently vacant and was undergoing remediation at the time of the site inspection, as confirmed by signage on the site's fence.



Conclusions and Recommendations

Based on the results of the PSI, Senversa developed a CSM detailing potentially complete source-pathway-receptor linkages resulting from:

- historical and current operations;
- potentially impacted fill materials from unknown origin; and
- potential for ASS or PASS.

Based on the above and information reviewed as part of this PSI, Senversa considers that additional investigation is required to assess the contamination status of the site, principally associated with Lot 101, and whether there is a potential risk to current and/or future human health or ecological receptors.

While the specific requirements of the DSI would be detailed within an SAQP, Senversa considers that the DSI should be undertaken on a targeted basis in consideration of the identified CoPCs and include an assessment of soil and groundwater to characterise potential point sources of contamination based on historic and current site uses.

The results of the DSI would better inform whether remediation and/or management that may be required for the southern portion of the site (Lot 101). However, considering the type of redevelopment occurring in the surrounding area (high-density residential) and the recent successful remediation completed on the northern portion of the site (Lot 102), the entire site (Lot 101 and Lot 102) can likely be remediated, if required, and made suitable for land uses under B4 Mixed Use zoning.



7.0 Principles and Limitations of Investigation

Area	Principle and Limitation
Elimination of Uncertainty	Some uncertainty is inherent in all site investigations. Furthermore, any sample, either surface or subsurface, taken for chemical testing may or may not be representative of a larger population or area. Professional judgment and interpretation are inherent in the process, and even when exercised in accordance with objective scientific principles, uncertainty is inevitable. Additional assessment beyond that which was reasonably undertaken may reduce the uncertainty.
Failure to Detect	Even when site investigation work is executed competently and in accordance with the appropriate Australian guidance, such as the National Environment Protection (Assessment of Site Contamination) Amendment Measure ('the NEPM'), it must be recognised that certain conditions present especially difficult target analyte detection problems. Such conditions may include, but are not limited to, complex geological settings, unusual or generally poorly understood behaviour and fate characteristics of certain substances, complex, discontinuous, random, or heterogeneous distributions of existing target analytes, physical impediments to investigation imposed by the location of services, structures and other man-made objects, and the inherent limitations of assessment technologies.
Limitations of Information	The effectiveness of any site investigation may be compromised by limitations or defects in the information used to define the objectives and scope of the investigation, including inability to obtain information concerning historic site uses or prior site assessment activities despite the efforts of the user and assessor to obtain such information.
Chemical Analysis Error	Chemical testing methods have inherent uncertainties and limitations. Senversa routinely seeks to require the laboratory to report any potential or actual problems experienced, or non-routine events which may have occurred during the testing, so that such problems can be considered in evaluating the data.
Level of Assessment	The investigation herein should not be considered to be an exhaustive assessment of environmental conditions on a property. There is a point at which the effort required to obtain information is outweighed by the time required to obtain that information, and, in the context of private transactions and contractual responsibilities, may become a material detriment to the orderly conduct of business. If the presence of target analytes is confirmed on a property, the extent of further assessment is a function of the degree of confidence required and the degree of uncertainty acceptable in relation to the objectives of the assessment.
Comparison with Subsequent Inquiry	The justification and adequacy of the findings of this investigation in light of the findings of a subsequent inquiry should be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made.
Data Useability	Investigation data generally only represent the site conditions at the time the data were generated. Therefore, the usability of data collected as part of this investigation may have a finite lifetime depending on the application and use being made of the data. In all respects, a future reader of this report should evaluate whether previously generated data are appropriate for any subsequent use beyond the original purpose for which they were collected, or are otherwise subject to lifetime limits imposed by other laws, regulations or regulatory policies.
Nature of Advice	The investigation works herein are intended to develop and present sound, scientifically valid data concerning actual site conditions. Senversa does not seek or purport to provide legal or business advice.



Figures

Figure 1: Site Location Plan

Figure 2: Site Layout and Previous Sampling Locations



Appendix A: Land Insight & Resources Enviro-Screen Report and Maps Searches



ENVIRO-SCREEN

Property Details

Lot 101 & 102 DP808944

2 & 4 Guess Avenue, Wolli Creek NSW

Search Date: 4 February 2019

Understanding your Report

Your Report has been produced by Land Insight and Resources (LI Resources).

Your Report is based on information available from public databases and sources at the date of reporting. The information gathered relates to land that is within a **200 to 2000 m radius** (buffer zone) from the boundaries of the Property. A smaller or larger radius may be applied for certain records (as listed under records and as shown in report maps).

While every effort is made to ensure the details in your Report are correct, LI Resources cannot guarantee the accuracy or completeness of the information or data provided.

The report provided by LI Resources includes data listed on page 3 (table of contents). All sources of data and definitions are provided on the report maps and as listed in the Product Guide (Attached). For a full list of references, metadata, publications or additional information not provided in this report, please contact LI Resources at info@liresources.com.au.

The report does not include; title searches; dangerous good searches or; property certificates (unless requested); or information derived from a physical inspection, such as hazardous building materials, areas of infilling or dumping/spilling of potentially contaminated materials. It is important to note that these documents and an inspection can contain information relevant to contamination that may not be identified by this Report.

This Report, and your use of it, is regulated by LI Resources Terms and Conditions (See LIR Product Guide).

Land Insight and Resources

ABN 70 167 080 837

phone: + 61 2 9979 1720

e-mail: info@liresources.com.au

<https://liresources.com.au/>

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LIR Product Guide and Terms and Conditions

Section 1 - Property Setting

1.1 SITE LOCATION MAP AND SENSITIVE RECEPTORS

Map 1 (500m Buffer)

Sensitive receptor	Category	Distance (m)*	Direction
Cahill Park	Park	240.08	south-east
Mosque	Place of Worship	248.87	south-west
Al Zahra College	Combined Primary-Secondary School	286.75	south-west
Sports Field	Sports Field	360.2	south-east
Turrella Childrens Centre	Child Care Centre	366.94	north-west
Ajax Reserve	Park	376.87	south
Empress Reserve	Park	393.27	south-west
Park	Park	439.8	north-west
Almond Reserve	Park	450.74	south-west
Tennis Courts	Sports Court	451.67	south-east
Waterworth Park	Park	480.11	north
Picnic Area	Picnic Area	491.65	south-east

*Distance from the sensitive receptor point feature to the site boundary centroid.

1.2 PLANNING CONTROLS

Map 2 (onsite)

Zoning	RE1	Public Recreation
	B4	Mixed Use
Environmental Planning Instruments	Not identified	

1.3 SOIL LANDSCAPE

Map 3a (onsite)

Soil Landscape	ALbg	BIRRONG	Soil Group	ALLUVIAL
Description	<p>Landscape - level to gently undulating alluvial floodplain draining Wianamatta Group shales. Local relief to 5 m, slopes <3%. Broad valley flats. Extensively cleared tall open-forest and woodland.</p> <p>Soils - deep (>250 cm) Yellow Podzolic Soils (Dy2.42, Dy3.12) and Yellow Solodic Soils (Dy3.42) on older alluvial terraces; deep (>250 cm) Solodic Soils (Dy3.42) and Yellow Solonetz (Dy3.43) on current floodplain.</p> <p>Limitations - localised flooding, high soil erosion hazard, saline subsoil, seasonal waterlogging, very low soil fertility.</p>			

1.4 ACID SULFATE SOIL (OEH 2011)

Map 3a (onsite)

	On the Property?	Within Record Search Buffer?
Acid Sulfate Soil Risk Maps (ASS) (Table 1.5.1)	Class 3	Class 1 / Class 2 / Class 3 / Class 5

1.5 ATLAS OF AUSTRALIAN ACID SULFATE SOIL AND SALINITY

Map 3b (onsite)

ASRIS Atlas of Australian Sulfate Soils (Table 1.5.2)	Ai(p-)	ASS in sandplains and dunes	Probability of Occurrence	High Probability of occurrence
Hydrologic Soil Group (Table 1.5.3)	D - Very slow rate		Salinity Hazard	<i>Not identified</i>

Table 1.5.1. Classification scheme in the ASS Planning Maps

Class of Land as shown on ASS Planning Maps	
1	Any works
2	Works below natural ground surface Works by which the watertable is likely to be lowered
3	Works beyond 1m below natural ground surface Works by which the watertable is likely to be lowered beyond 1m below natural ground surface
4	Works beyond 2m below natural ground surface Works by which the watertable is likely to be lowered beyond 2m below natural ground surface
5	Works within 500m of adjacent Class 1, 2, 3, or 4 land which are likely to lower the watertable below 1m AHD on adjacent Class 1, 2, 3 or 4 land.

For each class of land, the maps identify the type of works likely to present an environmental risk if undertaken in the particular class of land. If these types of works are proposed, further investigation is required to determine if ASS are actually present and whether they are present in such concentrations as to pose a risk to the environment.

Table 1.5.2. Australian Atlas of Acid Sulfate Soils¹ (ASS) map (CSIRO/NatCASS)

Code	Distinguishing soil/sediment properties, vegetation, landforms, or other characteristics
Probability of Occurrence of ASS ¹	
A	High Probability of occurrence - (>70% chance of occurrence in mapping unit)
B	Low Probability of occurrence - (6-70% chance of occurrence in mapping unit)
C	Extremely low probability of occurrence - (1-5% chance of occurrence in mapping unit)
D	No probability of occurrence - (<1% chance of occurrence in mapping unit)
x	Disturbed ASS ¹ terrain - (ASS ¹ material present below urban development).
u	Unclassified - (Insufficient information to classify map unit)
Zones	

Code	Distinguishing soil/sediment properties, vegetation, landforms, or other characteristics
Probability of Occurrence of ASS¹	
a	Potential acid sulfate soil material and/or Monosulfidic Black Ooze (MBO).
b, c	Potential acid sulfate soil generally within upper 1 m.
c, d, e	ASS ¹ generally within upper 1 m.
f	ASS ¹ generally below 1 m from the surface
g	ASS ¹ , generally below 3 m from the surface.
h	ASS ¹ generally within 1 m of the surface.
i, j	ASS ¹ generally below 1 m of the surface.
k	ASS ¹ material and/or Monosulfidic Black Ooze (MBO).
l, m, n, o, p, q	ASS ¹ generally within upper 1 m in wet / riparian areas.
Subscripts to codes	
(a)	Actual acid sulfate soil (AASS) = sulfuric material.
(p)	Potential acid sulfate soil (PASS) = sulfidic material.
(q)	Monosulfidic Black Ooze (MBO) is organic ooze enriched by iron monosulfides.
Confidence levels	
(1)	All necessary analytical and morphological data are available
(2)	Analytical data are incomplete but are sufficient to classify the soil with a reasonable degree of confidence
(3)	No necessary analytical data are available, but confidence is fair, based on a knowledge of similar soils in similar environments
(4)	No necessary analytical data are available, and classifier has little knowledge or experience with ASS, hence classification is provisional

¹Acid Sulfate Soils (ASS) are all those soils in which sulfuric acid may be produced, is being produced, or has been produced in amounts that have a lasting effect on main soil characteristics (Pons 1973). Acid sulfate soil (ASS) may include PASS or AASS + PASS. Potential acid sulfate soil (PASS) = sulfidic material. Actual acid sulfate soil (AASS) = sulfuric material.

Table 1.5.3. Hydrologic Soil Group

Code	Soil Group Characteristics
A	Soils having high infiltration rates, even when thoroughly wetted and consisting chiefly of deep, well to excessively-drained sands or gravels. These soils have a high rate of water transmission.
B	Soils having moderate infiltration rates when thoroughly wetted and consisting chiefly of moderately deep to deep, moderately fine to moderately coarse textures. These soils have a moderate rate of water transmission.
C	Soils having slow infiltration rates when thoroughly wetted and consisting chiefly of soils with a layer that impedes downward movement of water, or soils with moderately fine to fine texture. These soils have a slow rate of water transmission.
D	Soils having very slow infiltration rates when thoroughly wetted and consisting chiefly of clay soils with a high swelling potential, soils with a permanent high water table, soils with a claypan or clay layer at or near the surface, and shallow soils over nearly impervious material. These soils have a very slow rate of water transmission.

1.6 GEOLOGY AND TOPOGRAPHY

Map 4 (onsite)

Geology

Map Sheet	Symbol	Formation	Group	Era	Period	Description
Sydney 1:100,000 Geological Map	Qha	-	-	Cainozoic	Quaternary	Silty to peaty quartz sand, silt, and clay. Ferruginous and humic cementation in places. Common shell layers

Topography

Topography	4-6mAHD
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1.7 HYDROGEOLOGY AND GROUNDWATER BORES

Map 5a (500m - 2000m Buffer)

	On the Property?	Within Record Search Buffer?
Aquifer Type	Porous, extensive highly productive aquifers	Porous, extensive highly productive aquifers
Drinking Water Catchments	<i>Not identified</i>	<i>Not identified</i>
Protected Riparian Corridor	<i>Not identified</i>	<i>Not identified</i>
UPSS Environmentally sensitive zone	Southern NSW area UPSS	Southern NSW area UPSS
Wetlands	<i>Not identified</i>	Estuarine Wetland (Cooks River)
Groundwater Bores	<i>Not identified</i>	Yes, see 1.7.1 and 1.7.2

Table 1.7.1. Groundwater Bore Details

Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL ¹ (m)	Salinity ¹	Yield ¹ (L/s)	Distance (m)	Direction
GW111346	Monitoring	29-09-10	4.50	4.00	1.25	-	-	122.84	north
GW111344	Monitoring	29-09-10	4.00	4.00	1.55	-	-	150.80	north
GW111345	Monitoring	29-09-10	4.00	4.00	1.24	-	-	157.63	north
GW115014	Monitoring	16-12-10	4.00	4.00	-	-	-	263.59	north-west

Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL ¹ (m)	Salinity ¹	Yield ¹ (L/s)	Distance (m)	Direction
GW115018	Monitoring	06-06-11	4.00	4.00	-	-	-	316.75	north-west
GW115012	Monitoring	16-12-10	4.00	4.00	-	-	-	324.96	north-west
GW115013	Monitoring	17-12-10	4.00	4.00	-	-	-	324.96	north-west
GW115020	Monitoring	06-06-11	4.00	4.00	-	-	-	335.59	north-west
GW115017	Monitoring	03-06-11	4.00	4.00	-	-	-	346.71	north-west
GW115019	Monitoring	06-06-11	4.00	4.00	-	-	-	357.40	north-west
GW115016	Monitoring	03-06-11	4.00	4.00	-	-	-	362.47	north-west
GW115015	Monitoring	03-06-11	4.00	4.00	-	-	-	365.62	north-west
GW105580	Monitoring	17-11-03	3.50	3.50	1.40	-	-	387.68	north-west
GW107753	Monitoring	04-10-05	6.00	5.00	1.30	-	-	408.92	north-west
GW105581	Monitoring	17-11-03	3.75	3.50	1.40	-	-	410.12	north-west
GW107754	Monitoring	04-10-85	4.80	4.80	1.80	-	-	412.01	north-west
GW107755	Monitoring	05-10-05	4.80	4.80	1.80	-	-	430.45	north-west
GW024109	Water supply	01-03-66	2.10	2.10	2.10	-	0.13	433.97	south-east
GW105583	Monitoring	17-11-03	4.00	4.00	1.60	-	-	437.39	north-west
GW107756	Monitoring	04-10-05	5.00	5.00	1.90	-	-	437.50	north-west
GW105582	Monitoring	17-11-03	3.50	3.50	1.50	-	-	438.55	north-west
GW109966	Household	17-03-09	3.00	3.00	-	-	-	471.25	south-east

¹The most recent data available from NSW Department of Industry – Lands & Water Division.

Table 1.7.2. Groundwater Bore Driller Lithology Details

Groundwater Bore ID	From Depth (m)	To Depth (m)	Lithology	Description	Distance (m)	Direction
GW111346	0	0.1	ASH	Asphalt:poor condition,cracks	122.84	north
	0.1	1.2	FILL	Fill,sandy gravel,dry,loose	122.84	north

	1.2	1.6	LOAM	Loam sandy,fine grained,brown,moist	122.84	north
	1.6	4.5	SAND	Sand,with clay,fine grained,brown,wet	122.84	north
GW111344	0	0.1	ASH	Asphalt:poor condition,cracks	150.80	north
	0.1	1	FILL	Fill,road base,some gravel	150.80	north
	1	1.5	SAND	Sand,loamy,brown,fine grained	150.80	north
	1.5	3.5	SAND	Sand,fine grained,moist, very loose	150.80	north
	3.5	4	CLAY	Clay,high capacity,grey,minor sand	150.80	north
GW111345	0	0.1	ASH	Asphalt:poor condition	157.63	north
	0.1	1.2	FILL	Fill,sandy gravel,grey,clay,sandy	157.63	north
	1.2	1.5	LOAM	Loam.sandy,fine grained,brown,no odour	157.63	north
	1.5	4	SAND	Sand,fine to medium grained,wet,loose	157.63	north
GW115014	0.00	0.30	Fill	CONCRETE CORE	263.59	north-west
	0.30	1.50	Clay	CLAY DRY,GRAVELS,CONCRETE AND BRICKS	263.59	north-west
	1.50	1.80	Sand	GRAVELLY SAND BROWN	263.59	north-west
	1.80	2.50	Sand	SAND GREY MED. GRAINED WET,CLAY	263.59	north-west
	2.50	3.00	Sandy Clay	SANDY CLAY GREY,WET	263.59	north-west
	3.00	4.00	Clay	CLAY GREY WET PLASTIC	316.75	north-west
GW115018	0.00	0.10	Fill	FILL, SANDY GRAVEL	316.75	north-west
	0.10	0.20	Fill	CONCRETE CRUSHED,BROKEN	316.75	north-west
	0.20	1.10	Fill	FILL, SANDY GRAVEL,SANDSTONE	316.75	north-west
	1.10	1.30	Sandstone	SANDSTONE CRUSHED YELLOW LIGHT GREY	316.75	north-west
	1.30	1.50	Sand	GRAVELLY SAND BROWN	316.75	north-west
	1.50	1.80	Gravel	GRAVEL, ROADBASE,MINOR SAND	316.75	north-west
	1.80	2.20	Sand Grains (Lithic)	SAND BROWN SOME GRAVEL	316.75	north-west
	2.20	3.00	Clayey Sand	CLAYEY SAND DARK BROWN	316.75	north-west
	3.00	3.70	Sand	SAND GREY WET LOOSE	316.75	north-west
	3.70	4.00	Clay	CLAY NATURAL, RED/YELLOW	316.75	north-west
GW115012	0.00	0.70	Fill	FILL, SILTY SANDY CLAY,DRY,BROWN/BLACK	324.96	north-west
	0.70	2.00	Clay	CLAY DRY,BROWN/GREY	324.96	north-west
	2.00	3.80	Sand	SAND,WET,MED. GRAINED,MINOR CLAY	324.96	north-west
	3.80	4.00	Clay	CLAY RED,WET,NON PLASTIC	324.96	north-west

GW115013	0.00	0.30	Fill	CONCRETE CORE	324.96	north-west
	0.30	1.40	Fill	FILL,SAND,SANDSTONE AND CLAY	324.96	north-west
	1.40	1.70	Fill	FILL,CLAY, BROWN	324.96	north-west
	1.70	2.30	Sand	SAND GREY MEDIUM MOIST	324.96	north-west
	2.30	3.30	Sandy Clay	SANDY CLAY MEDIUM COARSE	324.96	north-west
	3.30	4.00	Clay	CLAY SANDY SLIGHTLY WEATHERED YELLOW BROWN	324.96	north-west
GW115020	0.00	0.20	Sand	BROWN SAND , GRAVEL LOOSE	335.59	north-west
	0.20	0.60	Sandstone	SANDSTONE CRUSHED. BROWN SAND	335.59	north-west
	0.60	0.80	Gravel	GRAVEL /ROADBASE BLUE METAL,GREY,LOOSE	335.59	north-west
	0.80	1.50	Sand	BROWN GRAVELLY SAND	335.59	north-west
	1.50	1.70	Fill	CRUSHED BROKEN CONCRETE	335.59	north-west
	1.70	2.30	Sand	BROWN SAND SOME GRAVEL, WET	335.59	north-west
	2.30	2.60	Fill	FILL DARK BROWN,LOOSE	335.59	north-west
	2.60	2.70	Clay	CLAY DARK BROWN	335.59	north-west
	2.70	2.80	Sand	SAND GREY WET LOOSE	335.59	north-west
	2.80	4.00	Clayey Sand	CLAYEY SAND , LOOSE WET	335.59	north-west
GW115017	0.00	0.40	Fill	FILL, TOPSOIL BROWN SAND,SOME GRAVEL	346.71	north-west
	0.40	0.60	Sand	SAND YELLOW,MOIST BROKEN BRICK/GRAVEL	346.71	north-west
	0.60	0.80	Fill	FILL BROWN SAND SOME GRAVEL	346.71	north-west
	0.80	1.00	Fill	FILL SAND GRAVEL,COARSE	346.71	north-west
	1.00	1.40	Fill	FILL CORE LOSS.RECOVERED SAMPLE SAND BROWN WET	346.71	north-west
	1.40	2.00	Sand	SAND COARSE GREY YELLOW WET	346.71	north-west
	2.00	2.40	Clay	CLAY GREY WET VERY PLASTIC	346.71	north-west
	2.40	2.70	Sand	SAND GREY COARSE	346.71	north-west
	2.70	3.50	Clay	CLAY YELLOW GREY WET,DENSE	346.71	north-west
	3.50	4.00	Sand	SAND GREY COARSE,WET NOT PLASTIC	346.71	north-west
GW115019	0.00	0.40	Fill	FILL BROWN SAND,BRICK FRAG. GRAVE;	357.40	north-west
	0.40	0.50	Sand	SAND YELLOW BROWN	357.40	north-west
	0.50	0.70	Gravel	GRAVEL, ROADBASE BLUE METAL	357.40	north-west
	0.70	1.00	Sand	BROWN SAND , SOME GRAVEL RED	357.40	north-west

	1.00	1.20	Fill	FILL BROKEN BRICK	357.40	north-west
	1.20	1.50	Sand	SAND BROWN YELLOW	357.40	north-west
	1.50	1.70	Clay	CLAY SOME GRAVEL	357.40	north-west
	1.70	2.00	Rock	BROKEN ROCK FRAGMENTS	357.40	north-west
	2.00	2.30	Sand	SAND,SOME GRAVEL,CRUSHED	357.40	north-west
	2.30	2.50	Sand	SAND LOOSE	357.40	north-west
	2.50	3.00	Clayey Sand	CLAYEY SAND NATURAL	357.40	north-west
	3.00	4.00	Sand	SAND YELLOW BROWN GREY	357.40	north-west
GW115016	0.00	0.20	Fill	CONCRETE SLAB	362.47	north-west
	0.20	0.60	Sand	GRAVELLY SAND BROWN. MINOR CLAY	362.47	north-west
	0.60	1.50	Gravel	GRAVEL/COBBLE.BROKEN CONCRETE	362.47	north-west
	1.50	2.00	Sand	SAND GREY BROWN WET	362.47	north-west
	2.00	2.60	Sandy Clay	SANDY CLAY BROWN/GREY WET	362.47	north-west
	2.60	2.80	Sand	SAND LIGHT GREY	362.47	north-west
	2.80	3.30	Clay	CLAY YELLOW ORANGE	362.47	north-west
	3.30	4.00	Clay	CLAY DENSE.RED/BROWN	362.47	north-west
GW115015	0.00	0.10	0.10	CONCRETE SLAB	365.62	north-west
	0.10	0.40	0.30	FILL, DARK BROWN SAND,SOME CLAY/GRAVEL	365.62	north-west
	0.40	0.70	0.30	SAND / CLAY / GRAVEL	365.62	north-west
	0.70	1.00	0.30	SAND DARK BROWN,SOME GRAVEL	365.62	north-west
	1.00	1.30	0.30	CLAY YELLOW RED BROWN	365.62	north-west
	1.30	1.50	0.20	BROWN SANDY CLAY MATERIAL	365.62	north-west
	1.50	2.00	0.50	SAND GREY WET.LOOSE	365.62	north-west
	2.00	2.80	0.80	SAND, GREY MINOR CLAY,WET,LOOSE	365.62	north-west
	2.80	3.50	0.70	CLAY MOTTLED RED	365.62	north-west
	3.50	3.60	0.10	SANDY CLAY,GREY	365.62	north-west
	3.60	4.00	0.40	CLAY GREY , DENSE. PLASTIC	365.62	north-west
GW105580	0	1.2	FILL	Fill:gravelly sandy clay	387.68	north-west
	1.2	2	20	Sandy clay	387.68	north-west
	2	3	20	Sandy clay	387.68	north-west
	3	3.5	20	Sandy clay	387.68	north-west
GW107753	0	1.3	FILL	Fill,sand ash,gravel and clay	408.92	north-west
	1.3	3.5	21	Sandy clay grey &sand lenses	408.92	north-west

	3.5	3.8	CLAY	Clay brown	408.92	north-west
	3.8	4.9	20	Sandy clay, grey, & lenses	408.92	north-west
	4.9	6	SAND	Sand, light, grey, m/grain	408.92	north-west
GW105581	0	0.45	FILL	Fill: gravelly sandy clay	410.12	north-west
	0.45	0.8	FILL	Fill: clayey sand	410.12	north-west
	0.8	1.5	20	Sandy clay	410.12	north-west
	1.5	2.75	20	Sandy clay	410.12	north-west
	2.75	3.75	CLAY	Sandy clay	410.12	north-west
GW107754	0	1.8	FILL	Fill, sand and rock frag.	412.01	north-west
	1.8	2.6	FILL	Fill, sand, some silt	412.01	north-west
	2.6	3.2	20	Sandy clay, grey, med. grained	412.01	north-west
	3.2	4	20	Sandy clay, yellow brown	412.01	north-west
	4	4.8	CLAY	Clay, red, brown & grey	412.01	north-west
GW107755	0	1.8	FILL	Fill, sand, gravel, clay & bricks	430.45	north-west
	1.8	2.1	CLAY	Clay dark grey/sand	430.45	north-west
	2.1	3.3	CLAY	Clay brown, some fine sand	430.45	north-west
	3.3	4.8	CLAY	Clay grey and red	430.45	north-west
GW024109	0	2.13	SAND	Sand water supply	433.97	south-east
GW105583	0	1	FILL	Fill: gravelly sandy clay	437.39	north-west
	1	1.8	20	Sandy clay	437.39	north-west
	1.8	2.5	20	Sandy clay	437.39	north-west
	2.5	4	CLAY	Clay	437.39	north-west
GW107756	0	1.4	FILL	Fill, gravel, sand, coal silt	437.50	north-west
	1.4	3.2	20	Sandy clay, grey and red	437.50	north-west
	3.2	5	CLAY	Clay red, brown, some grey	437.50	north-west
GW105582	0	0.9	FILL	Fill: sandy clay	438.55	north-west
	0.9	1.25	20	Sandy clay	438.55	north-west
	1.25	3.5	20	Sandy clay	438.55	north-west
GW109966	0	3	CLAY	Clay	471.25	south-east

	On the Property?	Within Record Search Buffer?
Groundwater Vulnerability	<i>Not identified</i>	<i>Not identified</i>
Groundwater Exclusion Zones (Botany GMZ ¹)	<i>Not identified</i>	Botany Groundwater Management Zone 2
Groundwater Dependent Ecosystems	<i>Not identified</i>	Ecosystems that rely on Subsurface presence of groundwater
Hydrogeologic Unit	Surficial Sediment Aquifer (porous media - unconsolidated)	Surficial Sediment Aquifer (porous media - unconsolidated) Late Permian/Triassic sediments (porous media - consolidated)
Other known borehole investigations	<i>Not identified</i>	Yes, see 1.8.1

1 - Botany Groundwater Management Zones (BGMZ): Zone 1 – the use of groundwater remains banned; Zones 2 to 4 – domestic groundwater use is banned, especially for drinking water, watering gardens, washing windows and cars, bathing, or to fill swimming pools

Table 1.8.1. Other known borehole investigations (Coal Seam Gas (CSG), Petroleum Wells and Other Boreholes)

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_27_NSR18	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	12.65	171.35	north
BH037	Borehole	Westconnex_Stage_2_M5	RMS	9/11/2014	65.11	171.71	east
R180_27_NSR176	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	24.90	172.21	north
R180_27_NSR175	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	32.48	184.58	north
BH036	Borehole	Westconnex_Stage_2_M5	RMS	23/10/2014	70.08	200.43	east
BH074	Borehole	Westconnex_Stage_2_M5	RMS	18/11/2014	66.12	207.76	south
R180_27_NSR174	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	39.60	222.79	north
BH035	Borehole	Westconnex_Stage_2_M5	RMS	26/11/2014	65.88	249.74	south
BH032	Borehole	Westconnex_Stage_2_M5	RMS	20/10/2014	85.33	290.41	south-west
BH076	Borehole	Westconnex_Stage_2_M5	RMS	27/01/2015	65.10	307.00	south-west
R180_27_NSR173	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	14.32	319.21	north-east
BH031	Borehole	Westconnex_Stage_2_M5	RMS	14/11/2014	75.35	319.64	south
BH031	Borehole	South Link		14/11/2014	75.35	319.64	south

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
BH167	Borehole	Westconnex_Stage_2_M5	RMS	14/01/2015	55.00	327.29	south-east
BH038	Borehole	Westconnex_Stage_2_M5	RMS	17/12/2014	77.80	327.65	east
R180_27_NSR17	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	13.00	335.09	north-east
BH-C3	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	13/05/2009	15.00	347.12	north-west
BH039	Borehole	Westconnex_Stage_2_M5	RMS	14/01/2015	70.25	368.79	north-east
BH030	Borehole	Westconnex_Stage_2_M5	RMS	13/10/2014	85.24	381.00	south-west
BH-C2	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	24/06/2009	20.30	400.24	north-west
BH075	Borehole	Westconnex_Stage_2_M5	RMS	13/10/2014	70.07	401.55	south-west
BH-C4	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	28/09/2009	15.20	404.09	north-west
R180_27_NSRE-W7	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	14.88	409.33	north-east
BH-C1	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	1/05/2009	15.00	413.07	north-west
BH165	Borehole	Westconnex_Stage_2_M5	RMS	20/01/2015	87.00	415.00	south-east
BH165	Borehole	South Link		20/01/2015	87.00	415.00	south-east
R180_27_NSR16	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	22.05	445.94	north-east
R180_27_NSR107	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	20.30	465.34	north-east
R180_27_NSR172	Borehole	NWRL_R180_Airport Link	Transfield CRT	19/05/1993	20.14	477.35	north-

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
		Project					east
BH027	Borehole	Westconnex_Stage_2_M5	RMS	6/11/2014	80.27	490.40	south-west
R180_27_ARL7	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	25.25	490.62	east
R180_27_NSR106	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	22.00	492.11	north-east
R180_27_NSR171	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	19.30	498.89	north-east
BH168	Borehole	Westconnex_Stage_2_M5	RMS	30/01/2015	65.00	503.19	south-east
R180_27_NSR105	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	23.40	506.15	north-east
R180_62_227	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	1.40	516.73	south
R180_62_238	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	38.77	522.23	south-west
R180_62_224	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	10.00	528.39	south
R180_27_NSR170	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	23.10	535.70	north-east
R180_62_226	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	2.20	545.87	south
R180_61_221	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/12/1998	50.00	548.50	south-west
R180_62_239	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	43.64	550.93	south-west
R180_62_225	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	8.75	556.37	south
R180_62_253	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	16.71	558.60	south-west
R180_55_209	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	17/09/1998	23.44	559.54	south
BH040	Borehole	Westconnex_Stage_2_M5	RMS	17/12/2014	75.00	560.85	north-east
R180_61_220	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/12/1998	41.50	561.05	south-west
R180_27_NSR98	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	23.95	564.54	north-east

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_60_223	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	14/11/1998	17.02	567.62	south-west
R180_62_232	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	7.15	569.48	south
PBH001	Borehole	South Link	x	x	70.00	572.11	south
R180_55_207	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	17/09/1998	23.66	577.12	south
BH041	Borehole	Westconnex_Stage_2_M5	RMS	9/12/2014	1.10	583.48	north-east
R180_62_233	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	8.70	584.19	south
R180_62_252	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	16.05	584.86	south-west
R180_55_208	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	16/09/1998	23.67	586.78	south
R180_55_1(D)	Borehole	NWRL_R180_M5 East	RTA	23/09/1997	15.00	595.98	south
R180_27_NSR104	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	13.80	606.49	east
R180_60_222	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	14/11/1998	33.45	610.13	south-west
R180_55_206	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	16/09/1998	14.30	611.75	south
BH042	Borehole	Westconnex_Stage_2_M5	RMS	16/12/2014	70.68	613.37	north-east
R180_55_205	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	18/09/1998	9.20	631.97	south
R180_27_NSR15	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	30.00	642.31	east
R180_55_DPB7	Borehole	NWRL_R180_M5 East Motorway Eastern Section	RTA	9/01/1997	17.50	661.71	south-east
R180_55_HA7	Borehole	NWRL_R180 Contamination Assessment	RTA	4/08/1998	0.85	661.71	south-east
BH026	Borehole	Westconnex_Stage_2_M5	RMS	31/10/2014	90.04	673.08	south-west
R180_27_NSR53	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	21.75	696.68	east
BH043	Borehole	Westconnex_Stage_2_M5	RMS	13/01/2015	78.00	699.94	north-east

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_55_123	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	10/02/1999	26.72	711.94	south-east
R180_55_8	Borehole	NWRL_R180_M5 Motorway	Connell Wagner	22/09/1995	30.00	734.84	south
BH161	Borehole	Westconnex_Stage_2_M5	RMS	30/01/2015	79.70	797.60	south
BH161	Borehole	South Link		30/01/2015	79.70	797.60	south
R180_27_NSR54	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	32.50	801.64	east
BH025	Borehole	Westconnex_Stage_2_M5	RMS	4/12/2014	85.00	816.82	south-west
BH-D4	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	14/05/2009	12.00	818.03	north-west
R180_55_101	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	28/01/1999	26.69	822.61	south-east
R180_62_260	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	20.65	823.63	south-west
BH044	Borehole	Westconnex_Stage_2_M5	RMS	23/10/2014	80.00	830.54	north-east
BH-D5	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	30/09/2009	9.30	835.43	north-west
BH152a	Borehole	Westconnex_Stage_2_M5	RMS	9/03/2015	23.50	841.14	north-east
BH152	Borehole	Westconnex_Stage_2_M5	RMS	17/03/2015	59.90	842.04	north-east
PBH002	Borehole	South Link			70.00	842.26	south-west
R180_27_ARL6	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	37.20	844.52	east
BH-D3	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	15/05/2009	12.00	851.54	north-west
R180_62_258	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	8.90	855.33	south-west

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_62_259	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	21.00	887.62	south-west
BH070	Borehole	Westconnex_Stage_2_M5	RMS	7/11/2014	65.00	892.97	south-west
BH070	Borehole	South Link		7/11/2014	65.00	892.97	south-west
R180_62_257	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	21.30	896.41	south-west
R180_62_256	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	20.00	907.10	south-west
BH-D2	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	18/05/2009	7.00	925.26	north
R180_62_254	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	11.95	934.30	south-west
BH069	Borehole	Westconnex_Stage_2_M5	RMS	20/11/2014	56.53	948.34	south-west
BH069	Borehole	South Link		20/11/2014	56.53	948.34	south-west
R180_62_255	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	6.37	948.79	south-west
R180_59_250	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	33.50	953.94	north-west
R180_59_249	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	6.00	956.33	north-west
BH-D1	Borehole	Factual Geotechnical Investigation Report: Replacement of 132kV Cable Route 91L and 91M Sites A,B,C,D	Energy Australia	18/05/2009	7.00	959.70	north-west
R180_33_GW1	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	2.50	963.75	north-east
R180_55_HA6	Borehole	NWRL_R180_Contamination Assessment	RTA	4/08/1998	0.70	973.37	south-east
R180_34_BH3	Borehole	NWRL_R180_Tempe Tip	Marrickville Municipal Council	9/03/1991	12.80	991.87	north-east
R180_56_CPTC6	Borehole	NWRL_R180_M5 East Motorway	RTA	10/01/1997	12.00	993.51	south-east

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
BH028	Borehole	Westconnex_Stage_2_M5	RMS	11/11/2014	45.05	1002.89	south
BH067	Borehole	Westconnex_Stage_2_M5	RMS	19/11/2014	50.32	1022.36	south-west
BH067	Borehole	South Link		19/11/2014	50.32	1022.36	south-west
R180_15_2322	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	26.00	1023.37	south-east
R180_27_NSR55	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	29.75	1025.39	south-east
R180_15_2318	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	25.00	1029.81	south-east
R180_37_10	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Contamination Assessment	Waste Services	24/09/1998	4.50	1031.45	north-east
R180_59_244	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	6.00	1031.92	north-west
R180_15_2321	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	26.20	1034.78	south-east
R180_59_248	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	50.00	1037.06	north-west
R180_62_228	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	36.25	1039.35	north-west
R180_29_RW1-C	Borehole	NWRL_R180_M5 East Cycle Way	RTA	11/08/1999	13.85	1041.48	east
R180_33_GW8	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	5.00	1041.78	north-east
R180_59_246	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	6.00	1045.22	north-west
R180_15_2320	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	26.10	1045.85	south-east
R180_59_247	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	17.40	1047.46	north-west
R180_29_RW1-D	Borehole	NWRL_R180_M5 East Cycle Way	RTA	11/08/1999	7.80	1048.08	east
R180_15_2319	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	22.80	1048.41	south-east

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_54_210	Borehole	NWRL_R180_M5 East	RTA	20/09/1998	20.43	1049.64	north-west
R180_59_241	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	40.00	1050.17	north-west
R180_29_RW1-E	Borehole	NWRL_R180_M5 East Cycle Way	RTA	11/08/1999	15.90	1055.12	east
R180_15_2317	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	24.15	1056.47	south-east
R180_33_GW9	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	3.00	1060.54	north-east
R180_29_RW1-F	Borehole	NWRL_R180_M5 East Cycle Way	RTA	11/08/1999	13.70	1062.33	east
R180_62_231	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	40.62	1066.80	north-west
R180_34_TL2	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	15.45	1067.62	north-east
R180_62_229	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	31.00	1069.17	north-west
BH071	Borehole	Westconnex_Stage_2_M5	RMS	29/10/2014	75.00	1069.61	south
R180_29_RW1-G	Borehole	NWRL_R180_M5 East Cycle Way	RTA	11/08/1999	14.53	1071.89	east
R180_27_NSR14	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	26.04	1073.43	south-east
R180_59_245	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	6.00	1077.99	north-west
R180_29_RW1-H	Borehole	NWRL_R180_M5 East Cycle Way	RTA	11/08/1999	14.97	1080.68	east
R180_15_2316	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	23.30	1081.62	south-east
BH097	Borehole	Westconnex_Stage_2_M5	RMS	17/10/2014	85.00	1081.72	south-west
BH029	Borehole	Westconnex_Stage_2_M5	RMS	17/10/2014	44.95	1083.15	south-east
R180_15_2315	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	23.45	1089.47	south-east
R180_59_251	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	29.10	1089.80	north-west

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_62_230	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	4/02/1999	22.80	1091.98	north-west
R180_15_2314	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	23.10	1093.87	south-east
R180_15_2311	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	23.75	1094.28	east
R180_15_2312	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	20.90	1095.09	east
R180_15_2313	Borehole	NWRL_R180_SITGAP	Federal Airports Corporation	13/01/1998	22.20	1097.38	south-east
PBH003	Borehole	South Link		11/08/2016	20.00	1108.35	south-west
BH159	Borehole	Westconnex_Stage_2_M5	RMS	21/01/2015	74.92	1111.82	south-east
R180_59_242	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	30.00	1118.37	north-west
R180_56_102	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	15/01/1999	23.95	1121.35	south-east
R180_59_243	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/08/1999	11.00	1131.59	north-west
BH066	Borehole	Westconnex_Stage_2_M5	RMS	28/11/2014	35.93	1131.69	south
R180_47_TT103	Borehole	NWRL_R180_M5_F5 Fairford Rd to Euston Rd St Peters	Department of Main Roads	22/10/1986	14.20	1140.18	north-east
BH065	Borehole	Westconnex_Stage_2_M5	RMS	29/10/2014	40.00	1146.08	south
R180_61_219	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/12/1998	61.60	1151.09	south-west
R180_37_9	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Contamination Assessment	Waste Services	24/09/1998	5.50	1159.53	north-east
R180_34_TL7	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	17.80	1166.68	north-east
R180_33_GW10	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	4.00	1176.05	north-east
R180_56_CPT C5	Borehole	NWRL_R180_M5 East Motorway	RTA	10/01/1997	20.00	1208.15	south-east

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
BH096	Borehole	Westconnex_Stage_2_M5	RMS	12/12/2014	85.80	1212.15	south-west
R180_33_GW11	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	4.00	1215.15	north-east
R180_34_TL14	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	26.65	1225.21	north-east
BH068	Borehole	Westconnex_Stage_2_M5	RMS	23/10/2014	50.90	1225.87	south-east
BH064	Borehole	Westconnex_Stage_2_M5	RMS	13/11/2014	35.93	1239.38	south
R180_27_NSR28	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	25.35	1239.53	south-east
R180_56_29	Borehole	NWRL_R180_Acid Sulfate Soils Investigation	RTA	18/06/1997	10.30	1255.02	south-east
R180_37_8	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Contamination Assessment	Waste Services	24/09/1998	5.50	1258.83	north-east
R180_33_GW12	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	3.00	1277.16	north-east
R180_34_TL3	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	7.90	1296.91	north-east
BH063	Borehole	Westconnex_Stage_2_M5	RMS	24/10/2014	44.81	1303.01	south
BH063a	Borehole	Westconnex_Stage_2_M5	RMS	24/10/2014	9.00	1303.01	south
BH101	Borehole	Westconnex_Stage_2_M5	RMS	8/12/2014	70.30	1309.17	north-east
R180_56_130	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	14/02/1999	14.95	1311.15	south-east
R180_56_131	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	17/02/1999	11.50	1312.44	south-east
R180_56_132	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	18/02/1999	14.60	1312.60	south-east
R180_56_133	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	17/02/1999	11.60	1313.48	south-east
BH062	Borehole	Westconnex_Stage_2_M5	RMS	16/10/2014	25.10	1313.53	south-east
BH062a	Borehole	Westconnex_Stage_2_M5	RMS	20/10/2014	38.75	1313.53	south-east
R180_27_NSR22	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	35.55	1315.77	south-east

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_33_GW13	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	4.00	1319.35	north-east
R180_37_2	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Ccontamination Assessment	Waste Services	24/09/1998	5.00	1319.78	north-east
R180_56_103	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	22/12/1998	29.25	1330.00	south-east
R180_56_135	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	19/02/1999	20.40	1333.57	south-east
R180_33_GW14	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	2.50	1336.36	north-east
R180_62_261	Borehole	NWRL_R180_M5_M5 East	BHBB JV / HYDER	29/11/1999	77.59	1337.09	south-west
R180_56_134	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	19/02/1999	16.45	1337.50	south-east
R180_56_128	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	15/02/1999	22.60	1342.09	south-east
R180_56_129	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	16/02/1999	14.60	1342.80	south-east
R180_27_NSR34	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	34.35	1346.08	south-east
R180_56_127	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	15/02/1999	12.20	1346.79	south-east
R180_56_30	Borehole	NWRL_R180_Acid Sulfate Soils Investigation	RTA	18/06/1997	11.70	1356.16	south-east
R180_34_TL11	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	11.50	1357.14	north-east
BH146	Borehole	Westconnex_Stage_2_M5	RMS	3/02/2015	50.00	1364.53	south-west
R180_34_TL8	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	19.67	1368.83	north-east
R180_47_TT102	Borehole	NWRL_R180_M5_F5 Fairford Rd to Euston Rd St Peters	Department of Main Roads	22/10/1986	13.00	1380.18	north-east
R180_56_DPB5	Borehole	NWRL_R180_M5 East Motorway	RTA	13/01/1997	19.90	1389.25	south-east
R180_56_RT3(D)	Borehole	NWRL_R180_M5 East	RTA	19/09/1997	20.00	1389.55	south-east
R180_61_218	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/12/1998	74.65	1390.66	south-west

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_34_TL15	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	19.70	1396.05	north-east
R180_37_7	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Contamination Assessment	Waste Services	24/09/1998	5.50	1408.55	north-east
R180_56_104	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	5/01/1999	36.63	1409.99	south-east
R180_56_105	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	1/09/1999	17.45	1417.44	south-east
PBH004	Borehole	South Link			27.00	1418.61	south-west
R180_56_31	Borehole	NWRL_R180_Acid Sulfate Soils Investigation	RTA	17/06/1997	10.60	1431.39	south-east
R180_27_NSR36	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	34.15	1433.16	south-east
R180_56_119	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	11/02/1999	8.15	1445.85	south-east
R180_56_106	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	10/12/1998	30.30	1457.84	south-east
R180_34_TL17	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	6.42	1471.87	north-east
BH061	Borehole	Westconnex_Stage_2_M5	RMS	13/10/2014	30.10	1478.97	south
BH061	Borehole	South Link		13/10/2014	30.10	1478.97	south
BH061a	Borehole	Westconnex_Stage_2_M5	RMS	13/10/2014	11.00	1478.97	south
BH061b	Borehole	Westconnex_Stage_2_M5	RMS	13/10/2014	11.00	1478.97	south
BH144	Borehole	Westconnex_Stage_2_M5	RMS	23/01/2015	115.90	1483.64	south-west
R180_56_107	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	16/12/1998	30.60	1491.14	south-east
R180_56_120	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	6/02/1999	10.10	1493.79	south-east
R180_27_NSR21	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	32.72	1496.72	south-east
BH153	Borehole	Westconnex_Stage_2_M5	RMS	6/02/2015	63.06	1503.16	north-east
R180_33_GW15	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	4.00	1503.68	north-east
R180_56_121	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	9/02/1999	13.70	1511.21	south-east

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_34_TL21	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	16.50	1516.29	north-east
R180_45_BH5	Borehole	NWRL_R180_Eastern Branch Sewer	Waterboard Sydney	10/10/1994	3.05	1530.30	north
R180_56_108	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	4/01/1999	31.80	1532.32	south-east
R180_45_BH6	Borehole	NWRL_R180_Eastern Branch Sewer	Waterboard Sydney	21/12/1995	7.18	1536.52	north
R180_34_TL16	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	17.10	1546.52	north-east
BH094	Borehole	Westconnex_Stage_2_M5	RMS	11/12/2014	75.43	1548.63	south-west
R180_37_6	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Ccontamination Assessment	Waste Services	24/09/1998	5.50	1554.31	north-east
R180_47_TT101	Borehole	NWRL_R180_M5_F5 Fairford Rd to Euston Rd St Peters	Department of Main Roads	22/10/1986	14.50	1556.83	north-east
R180_56_109	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	19/12/1998	25.10	1559.80	south-east
R180_34_TL10	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	14.84	1561.15	north-east
R180_34_TL9	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	19.51	1566.67	north-east
R180_37_1	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Ccontamination Assessment	Waste Services	24/09/1998	18.00	1569.18	north-east
R180_56_RT44(D)	Borehole	NWRL_R180_M5 East	RTA	16/09/1997	19.20	1574.09	south-east
R180_56_32	Borehole	NWRL_R180_Acid Sulfate Soils Investigation	RTA	17/06/1997	14.70	1579.51	south-east
R180_56_DPB4	Borehole	NWRL_R180_M5 East Motorway	RTA	21/01/1997	21.80	1586.21	south-east
R180_34_TL4	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	10.37	1598.65	north-east
R180_45_BH7	Borehole	NWRL_R180_Eastern Branch Sewer	Waterboard Sydney	10/10/1994	7.00	1603.50	north
R180_56_110	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	17/12/1998	25.92	1603.55	south-east
BH215	Borehole	Westconnex_Stage_2_M5	RMS	17/02/2015	66.00	1622.86	south

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
BH1	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	28/07/2013	12.00	1624.27	north-east
BH1	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	28/07/2013	12.00	1624.28	north-east
R180_33_GW2	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	5.00	1625.75	north-east
BH2	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	27/07/2013	6.45	1627.91	north-east
BH2	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	27/07/2013	6.45	1627.93	north-east
R180_56_111	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	12/08/1998	25.60	1633.80	south-east
BH216	Borehole	Westconnex_Stage_2_M5	RMS	13/02/2015	69.00	1637.65	south-west
BH216	Borehole	South Link		13/02/2015	69.00	1637.65	south-west
R180_56_124	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	16/02/1999	23.44	1639.62	south-east
R180_33_GW3	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	5.00	1640.33	north-east
R180_47_TT104	Borehole	NWRL_R180_M5_F5 Fairford Rd to Euston Rd St Peters	Department of Main Roads	22/10/1986	15.00	1648.07	north-east
R180_34_TL12	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	13.70	1659.97	north-east
BH4	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	28/07/2013	6.45	1666.73	north-east
BH4	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	28/07/2013	6.45	1666.74	north-east
BH9	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	27/07/2013	8.50	1666.77	north
BH9	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	27/07/2013	6.50	1666.79	north

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
BH5	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	28/07/2013	2.50	1669.62	north-east
BH5	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	28/07/2013	2.50	1669.65	north-east
R180_27_NSR58	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	35.45	1682.36	south-east
BH6	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	28/07/2013	1.00	1688.03	north-east
BH6	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	28/07/2013	1.00	1688.05	north-east
R180_56_112	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	12/10/1998	27.13	1689.03	south-east
R180_56_125	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	17/02/1999	24.80	1699.98	south-east
BH103	Borehole	Westconnex_Stage_2_M5	RMS	28/11/2014	60.30	1700.23	north-east
R180_61_217	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/12/1998	53.06	1709.02	south-west
R180_37_5	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Contamination Assessment	Waste Services	24/09/1998	5.50	1710.77	north-east
R180_56_CPT C4	Borehole	NWRL_R180_M5 East Motorway	RTA	10/01/1997	20.70	1714.32	south-east
R180_34_1(Coffey1991)	Borehole	NWRL_R180_Tempe Tip Monitoring Well	Federal Airport Corporation	18/07/1991	10.00	1726.33	north-east
R180_34_BH1	Borehole	NWRL_R180_Tempe Tip	Marrickville Municipal Council	3/11/1995	8.45	1726.33	north-east
R180_34_2(Coffey1991)	Borehole	NWRL_R180_Tempe Tip Monitoring Well	Federal Airport Corporation	18/07/1991	5.00	1744.04	north-east
R180_34_BH2	Borehole	NWRL_R180_Tempe Tip	Marrickville Municipal Council	3/11/1995	6.45	1744.04	north-east
R180_56_113	Borehole	NWRL_R180_M5 East	BHBB-JV/Hyder	8/12/1998	28.94	1746.74	south-east
BH093	Borehole	Westconnex_Stage_2_M5	RMS	3/12/2014	80.90	1751.14	south-west

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_33_GW4	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	3.00	1752.78	north-east
R180_34_TL13	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	16.50	1758.45	north-east
R180_56_33	Borehole	NWRL_R180_Acid Sulfate Soils Investigation	RTA	12/06/1997	14.95	1760.72	south-east
R180_45_BH1	Borehole	NWRL_R180_Eastern Branch Sewer	Waterboard Sydney	10/10/1994	1.90	1770.47	north
R180_33_GW5	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	5.00	1772.24	north-east
R180_56_DPB3	Borehole	NWRL_R180_M5 East Motorway	RTA	23/01/1997	31.30	1781.55	south-east
BH8	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	28/07/2013	1.80	1785.30	north
BH8	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	28/07/2013	1.80	1785.30	north
BH7	Borehole	Marrickville Station HV Enabling Works	Sydney Trains	27/07/2013	2.20	1786.30	north-west
BH7	Borehole	Marrickville Station Easy Access Upgrade - Geotechnical Site Investigation	TfNSW	27/07/2013	2.20	1786.35	north-west
R180_34_TL5	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	12.12	1803.37	north-east
R180_34_TL6	Borehole	NWRL_R180_Tempe Lands Remediation Development	Marrickville Council	17/03/2003	12.35	1846.41	north-east
R180_61_216	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/12/1998	55.94	1850.13	south-west
R180_58_234	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	20/05/1999	18.20	1850.83	south-west
BH154	Borehole	Westconnex_Stage_2_M5	RMS	27/01/2015	60.00	1853.32	north-east
R180_37_4	Borehole	NWRL_R180_Tempe Tip - Geotechnical and Ccontamination Assessment	Waste Services	24/09/1998	7.00	1861.76	north-east
R180_33_GW6	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	5.00	1864.27	north-east
R180_58_235	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	20/05/1999	9.30	1903.61	south-west

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
R180_33_GW7	Borehole	NWRL_R180_Gas Monitoring Well Installation	Tenix Projects	18/04/2005	5.00	1943.59	north-east
R180_27_NSR29	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	36.15	1944.10	south-east
BH105	Borehole	Westconnex_Stage_2_M5	RMS	10/10/2014	59.90	1969.16	north-east
R180_27_NSR59	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	35.05	1998.63	south-east
R180_61_215	Borehole	NWRL_R180_M5_M5 East	BHBB-JV/Hyder	10/12/1998	6.00	2018.83	south-west
R180_27_NSR61	Borehole	NWRL_R180_Airport Link Project	Transfield CRT	19/05/1993	30.00	2106.79	south-east

Section 2 Environmental Records Summary – Contamination and Potentially Contaminating Activities

2.1 PFAS INVESTIGATION PROGRAM

Map 5b (2000m Buffer)

Site	Description	Distance (m)	Direction
Botany Bay area and Botany Industrial Park, Sydney Airport	Fishing restrictions were introduced at the end of 2017 for Botany Bay and the Georges River- Elevated PFAS in the area from a number of sources, including Sydney Airport. None of the contamination readings from Botany Bay have been released. Air Service	906.22	east

2.2 CONTAMINATED LAND RECORD OF NOTICES ISSUED UNDER THE CLM ACT 1997

Map 6 (1000m Buffer)

Site Name ²	Site ID	Address ¹	Notices	Distance (m)	Direction
Tulloch Australia Pty Limited	3251	61 Turrella STREET, TURRELLA	3 current	453.32	South-west
RTA Land	3307	3 Jackson PLACE EARLWOOD NSW	2 current	761.37	North-west
Alexandra Canal Sediments	3151	Off Huntley STREET, ALEXANDRIA	2 current	825.35	South-east
Cooks River Aqueduct	3149	Thornley STREET MARRICKVILLE NSW	1 former	846.42	North-west
Caltex Service Station	3432	775 Princes HIGHWAY, TEMPE	2 current	868.48	North-west
Former Tempe Tip	3157	South STREET TEMPE NSW	2 current and 6 former	897.47	North-east

1. Some addresses do not contain specific street numbers. Records identified as being in the surrounding area have been added for information.

2. Former NSW EPA sites. These sites have been removed from the Record of Notices and/or the Sites Notified lists and are kept here for information purposes only.

2.3 SITES NOTIFIED AS CONTAMINATED TO THE NSW EPA

Map 6 (1000m Buffer)

Site Name ²	Address ¹	Activity that caused Contamination	EPA Site Management Class ³	Distance (m)	Direction
Former Ausgrid Substation 10061	13 Gertrude STREET WOLLI CREEK	Other Industry	Regulation under CLM Act not required	275.65	South-east
7-Eleven Arncliffe	28 Princes HIGHWAY ARNCLIFFE	Service Station	Regulation under CLM Act not required	289.45	South-east
Wolli Creek Aqueduct	Unwin STREET EARLWOOD	Unclassified	Regulation under CLM Act not required	362.88	North-east
Tulloch Australia Pty Limited	61 Turrella STREET, TURRELLA	Chemical Industry	Contamination currently regulated under CLM Act	453.32	South-west

Site Name ²	Address ¹	Activity that caused Contamination	EPA Site Management Class ³	Distance (m)	Direction
RTA Land	3 Jackson PLACE EARLWOOD NSW	Unclassified	Contamination currently regulated under CLM Act	761.37	North-west
Mackey Park	Cnr Richardsons Crescent and Carrington ROAD MARRICKVILLE	Landfill	Regulation under CLM Act not required	797.48	North-west
Alexandra Canal Sediments	Off Huntley STREET, ALEXANDRIA	Unclassified	Contamination currently regulated under CLM Act	825.35	South-east
Cooks River Aqueduct	Thornley STREET MARRICKVILLE NSW	Unclassified	Contamination formerly regulated under the CLM Act	846.42	North-west
Caltex Service Station	775 Princes HIGHWAY, TEMPE	Service Station	Contamination currently regulated under CLM Act	868.48	North-west
Former Tempe Tip	South STREET TEMPE NSW	Landfill	Contamination currently regulated under CLM Act	897.47	North-east
Tempe Depot	1a Gannon STREET	Other Petroleum	Regulation under CLM Act not required	924.56	North-west

1. Some addresses do not contain specific street numbers. Records identified as being in the surrounding area have been added for information.

2. Former NSW EPA sites. These sites have been removed from the Record of Notices and/or the Sites Notified lists and are kept here for information purposes only.

3. The EPA maintains a record of sites that have been notified to the EPA by owners or occupiers as contaminated land. The sites notified to the EPA and recorded on the register are at various stages of the assessment and/or remediation process. Table 5 outlines the possible management status that can be attributed to a registered contaminated site.

Table 2.3.1. EPA Site Management Class Explanation

EPA Site Management Class	
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.
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.
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.
Contamination currently regulated under the 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.
Contamination currently regulated under the 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 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.

EPA Site Management Class	
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 by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A 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.

2.4 OTHER REGULATORY CONTAMINATION ISSUES

Map 6 (1000m Buffer)

James Hardie Asbestos Waste Contamination Legacy

Site	Location	Type	Distance (m)	Direction
Not identified	-	-	-	-

Former Uranium Processing Site at Hunters Hill (NSW)

Site	Location	Distance (m)	Direction
Not identified	-	-	-

Former Gasworks Sites

Site	Location	Distance (m)	Direction
Not identified	-	-	-

Military Facilities

Site name	Defence code	Area (ha)	Distance (m)	Direction
(former) Arncliffe; Gres training depot (1998/99, 1998/99, 1998/1999)	AAER2-3	1	509.77	South-west

2.5 POTENTIALLY CONTAMINATING ACTIVITIES

Map 7a (500m Buffer)

Aviation Fuel Depots/Terminals

Site name	Description	Status	Distance (m)	Direction
Not identified	-	-	-	-

Aviation Rescue Fire Fighting Facilities (ARFF)

Site name	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-

Derelict Mines and Quarries

Deposit Name	Method	Description	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Dry Cleaners

Site name	Location	Status	Distance (m)	Direction
Wolli Creek Laundry & Dry Cleaning	1/6 Discovery Point Place, Sydney NSW 2205	operational	200.28	North-east

Historical (Legacy) Landfills

Site	Description	Distance (m)	Direction
Waterworth park old garbage tip	In 1955 the park was used as a garbage tip with dumping of refuse extending to the Cooks's River and Wolli Creek shorelines (Wilson, G; 2015; Uncovering the hidden history of the Wolli Creek Area)	302.02	north
Tempe Tip *exact extent unknown	Tempe Lands was the site of a shale quarry in the 1920s and then a rubbish tip until the mid 1970s (Inner West Council, 2019). The EPA detected contaminated leachate, asbestos and ammonia polluting soil, groundwater and the adjacent Alexandria Canal.	897.47	North-east

Note: This is not an exhaustive list of all legacy landfills in NSW

Liquid Fuel Depots/Terminals

Site name	Owner	Location	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Power Stations

Site name	Owner	Primary Fuel Type	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Service Stations

Site name	Owner	Location	Status	Distance (m)	Direction
7-Eleven Arncliffe	7-Eleven Pty Ltd	28 Princes Highway Arncliffe	Operational	305.28	south
Speedway Petroleum	Speedway Petroleum	32 Princes Highway Arncliffe	Operational	335.59	south

Substation / Switching Stations

Site name	Owner	Location	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Telephone Exchanges

Site name	Location	Status	Distance (m)	Direction
Not identified	-	-	-	-

Waste Management Facilities

Site name	Owner	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Wastewater Treatment Facilities

Site name	Operator	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Unexploded Ordnance (UXO) Sites - Department of Defence (DoD)

Site name	Site ID	Category	Description	Distance (m)	Direction
Not identified	-		-	-	-

2.6 OTHER POTENTIALLY CONTAMINATING ACTIVITIES

Map 7b (200m Buffer)

Potentially Contaminated Sites

Site name	Category	Location	Status*	Distance (m)	Direction
Castrol Service Centre	Car Repair Shop	29 Arncliffe St, Wolli Creek NSW 2205	current	0.00	Onsite
National Truck Spares	Repair Facility	2 Guess Ave, Arncliffe NSW 2205	current	0.00	Onsite
Commercial Vehicle Repair & Servicing	Repair Facility	Guess Ave Wolli Creek, New South Wales	Former	96.94	North-West
Suttons Arncliff	Automotive Dealer	93 Princes Hwy, Arncliffe NSW 2205	current	104.25	South-East
Prakash Automotive Services	Repair Facility	Guess Ave Wolli Creek, New South Wales	Former	114.75	North-West
Suttons Arncliffe	Automotive Dealer	93 Princes Hwy, Arncliffe NSW 2205	current	131.11	South-East
Morris McMahon & Co Pty Ltd	Manufacturer	34 Arncliffe St, Wolli Creek NSW 2205	current	167.23	South-West
Suttons Motors Arncliffe	Automotive Dealer	93 Princes Hwy, Arncliffe NSW 2205	current	187.3	South-East

*Data is current as when this report was created. However due to the turnover of business locations, some addresses may be former.

Parramatta River Catchment Land Use Areas – Zoning Changes

Land Use 1943	Land Use 2005	Distance (m)	Direction
Not identified	-	-	-

Parramatta River Catchment Land Use Areas – Reclamation Areas

	On the Property?	Within Record Search Buffer?
Reclamation Area	Not identified	Not identified

*Many areas of Parramatta river have been reclaimed, often being used as rubbish dumps.

2.7 NPI INDUSTRIAL FACILITIES

Map 8 (500m Buffer)

Facility name	Address	Primary ANZSIC Class	Date Range	Distance (m)	Direction
Not identified	-	-	-	-	-

2.8 LICENSING UNDER THE POEO ACT 1997

Map 8 (500m Buffer)

Licences

Licence holder	EPL Number	Location Name	Premise Address	Fee Based Activity	Distance (m)	Direction
Not identified		-	-	-	-	-

Delicensed Premises still Regulated by EPA, Licences Surrendered, Clean Up and Penalty Notices

Licence holder	Nº	Name	Premise Address	Fee Based Activity	Status	Distance (m)	Direction
MORRIS, MCMAHON & CO PTY LTD	6601	MORRIS MCMAHON & CO PTY LTD	34 ARNCLIFFE STREET, ARNCLIFFE NSW 2205	Hazardous, Industrial or Group A Waste Generation or Storage	Delicensed	100.96	South-west
A.C.N. 001 022 411 PTY LTD	11304	11304	61 TURRELLA STREET, TURELLA NSW 2205	Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	Surrendered	382.58	North-west

2.9 PUBLIC REGISTER OF PROPERTIES AFFECTED BY LOOSE-FILL ASBESTOS INSULATION

Map 8 (onsite)

Address	Match Found
Not identified	-

HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

1932 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Not identified	-	-	-	-	-

* If no distance is provided, address no longer exists.

1940 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Nurserymen	Bostock F	15 Arncliffe Street, Arncliffe	Address	83m	South West

* If no distance is provided, address no longer exists.

1950 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Carriers-Light	Stokes N G	1 Willis, Arncliffe	Address	23m	South West
Clothing - Mfrs. &/or W'salers	Zeema Productions	15 Arncliffe Street, Arncliffe	Address	83m	South West
Electrical Appliances & Equipment Mfrs.	Walmac Electrical Products	21 Arncliffe Street, Arncliffe	Address	83m	South West
Nurserymen	Thompson L R	11 Arncliffe Street, Arncliffe	Address	126m	South West
Electrical Appliances & Equipment Mfrs.	Walmac Electrical Products Pty Ltd (Works)	23 Arncliffe Street, Arncliffe	Street		

* If no distance is provided, address no longer exists.

1965 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Concrete Products	Priestly R D	72 Arncliffe, Arncliffe	Address	15m	East
Carriers—Heavy	Super Transport Service (NSW) Pty Ltd	64-70 Arncliffe, Arncliffe	Address	20m	South
Chemical Mfrs. &/or Druggists—W'sale	WYNDALE LACTOSE (BRITISH UNITED DAIRIES PTY LTD)	64-70 Arncliffe, Arncliffe	Address	20m	South
Milk Products	TOORALAC MILK POWDERS	64-70 Arncliffe, Arncliffe	Address	20m	South

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Carriers—Light	Super Transport Service (NSW) Pty Ltd	64 Arncliffe, Arncliffe	Address	20m	South
Paper Bags	PROTECTIVE PACKAGINGS PTY LTD	52-62 Arncliffe, Arncliffe	Address	20m	South
Paper Mfrs	Gummed Products Ltd	52 Arncliffe, Arncliffe	Address	20m	South
Brushes & Brooms	Universal Broom Co	11 GuessAv, Arncliffe	Address	20m	South West
Slot Machines	AMERICAN AMUSEMENT PTY LTD	9 GuessAv, Arncliffe	Address	20m	South West
Enamellers	BELLAMY J & G PTY LTD	3 GuessAv, Arncliffe	Address	20m	South West
Sheet Metal Workers	Bellamy J&G Pty Ltd	3 GuessAv, Arncliffe	Address	20m	South West
Metal Spinners	Bates M J	13 Willis, Arncliffe	Address	20m	West
Soft Drink Mfrs	Capitol Continental Products	19 Willis, Arncliffe	Address	20m	West
Foundries	BRAMWELL & VINCENT PTY LTD	40 Arncliffe, Arncliffe	Address	35m	South
Foundries—Brass	BRAMWELL & VINCENT PTY LTD	40 Arncliffe, Arncliffe	Address	35m	South
Foundries—Iron & Steel	BRAMWELL & VINCENT PTY LTD	40 Arncliffe, Arncliffe	Address	35m	South
Engineers—Consulting	Weiss Frank Projects Pty Ltd	21 Arncliffe, Arncliffe	Address	83m	South West
Instruments	Weiss Frank Projects Pty Ltd	21 Arncliffe, Arncliffe	Address	83m	South West
Timber Merchants	Clifford Timber Co Pty Ltd	1 Lusty, Arncliffe	Address	109m	North
Furniture—Mfrs. &/or W'salers	LECHNER M C FURNITURE PTY LTD	5-13 LustySt, Arncliffe	Address	109m	North
Air Conditioning Equipment	AIR DISTRIBUTION PRODUCTS PTY LTD	9 ArncliffeSt, Arncliffe	Address	126m	South West
Engineers—General	Alco Engineering Pty Ltd	11a Arncliffe, Arncliffe	Address	126m	South West
Die & Press Tool Makers	KENCO ENGINEERING PTY LTD	30-32 ArncliffeSt, Arncliffe	Address	154m	South West
Hard Facing	A.I Metallising Co Pty Ltd	30 Arncliffe, Arncliffe	Address	154m	South West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Metal Sprayers	A METALLISING CO PTY LTD	30 ArncliffeSt, Arncliffe	Address	154m	South West
Toolmakers	Kenco Engineering Pty Ltd	30 Arncliffe, Arncliffe	Address	154m	South West
Upholsterers	York W G	3 Arncliffe, Arncliffe	Address	160m	West
Hairdressers' Supplies	BETTERGRIP BOBBY PINS	15-19 Lusty, Arncliffe	Address	166m	North West
Wire Ropes	CONSOLIDATED WIRE PTY LTD	15-19 LustySt, Arncliffe	Address	166m	North West
Motor Accessories—Retail	Manfred Accessories	1 Arncliffe, Arncliffe	Address	172m	West
Engineers—Manufacturing	Sharp H A Pty Ltd	GuessAv, Arncliffe	Street		
Advertising—Displays	Broadwoods Pty Ltd	BoothSt, Arncliffe	Street		
Boats & Launches—Builders &/or For Sale	VOLKSBOAT CO OF AUST	ArncliffeSt, Arncliffe	Street		
Cabinet Makers	Brymer Industries Pty Ltd	ArncliffeSt, Arncliffe	Street		
Concrete	ARNCLIFFE READY MIXED CONCRETE PTY LTD (Plant)	ArncliffeSt, Arncliffe	Street		
Laminated Panels	Brymer R	ArncliffeSt, Arncliffe	Street		
Market Gardeners	Lee Sun	ArncliffeSt, Arncliffe	Street		
Motor Panel Beaters	DANCO AUTO REPAIRS	ArncliffeSt, Arncliffe	Street		
Motor Wreckers	FORDHAM SPARES PTY LTD	ArncliffeSt, Arncliffe	Street		
Paper Merchants	WASSALL W H & SON PTY LTD	ArncliffeSt, Arncliffe	Street		
Paper Mill Agents	Wassail W H&Son Pty Ltd	ArncliffeSt, Arncliffe	Street		
Plastics	Australian Fibre Plastic Industries Pty Ltd	ArncliffeSt, Arncliffe	Street		
Welders—Electric	VALRON WELDING ENGINEERING PTY LTD	ArncliffeSt, Arncliffe	Street		
Welders—Oxy-Acetylene	Valron Welding Engineering Pty Ltd	ArncliffeSt, Arncliffe	Street		

* If no distance is provided, address no longer exists.

1970 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA
(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
ENAMELLERS	Bellamy, J. & G. Pty. Ltd.,	3 Guess Ave., Arncliffe	Address	20m	South West
SHEET METAL WORKERS	Bellamy, J. & G. Pty. Ltd.,	3 Guess Ave., Arncliffe	Address	20m	South West
SPRAYERS—INDUSTRIAL	Bellamy, J. & G. Pty. Ltd.,	3 Guess Ave., Arncliffe	Address	20m	South West
AUTOMATIC SLOT MACHINE DIST. &/OR SUPPLIES	American Amusements Pty. Ltd.,	9 Guess Ave., Arncliffe	Address	20m	South West
BROOM & BRUSH MFRS.' SUPP.	Universal Broom Co.,	11 Guess Ave., Arncliffe	Address	20m	South West
BROOM & BRUSH—SWEEPING—MANUFACTURERS	Universal Broom Co.,	11 Guess Ave., Arncliffe	Address	20m	South West
BROOM & BRUSH—SWEEPING—WHOLESALE	Universal Broom Co.,	11 Guess Ave., Arncliffe	Address	20m	South West
BRUSHWARE MFRS.—DOMESTIC	Universal Broom Co.,	11 Guess Ave., Arncliffe	Address	20m	South West
MOP MFRS./W'SALERS	Universal Broom Co.,	11 Guess Ave., Arncliffe	Address	20m	South West
ENGINEERS—GENERAL &/OR MFRG. &/OR MECHANICAL	Sharp, H. A. Pty. Ltd.,	15 Guess Ave., Arncliffe	Address	20m	West
TRUCKS & TROLLEYS—INDUSTRIAL —IMPORTS. &/OR MFRS.	Sharp, H. A. Pty. Ltd.,	15 Guess Ave., Arncliffe	Address	20m	West
WOODWORKING MACHINERY MFRS.	Sharp, H. A. Pty. Ltd.,	15 Guess Ave., Arncliffe	Address	20m	West
BOILERMAKERS	Rageem Fastener Co.,	13 Willis St., Arncliffe, 2205	Address	20m	West
FOOD PROCESSORS/PACKERS	Capitol Continental Products,	19 Willis St., Arncliffe	Address	20m	West
GUMMED PAPER MANUFACTURERS &/OR DISTRIBUTORS	Gummed Products Ltd.,	52 Arncliffe St., Arncliffe	Address	20m	South
LAMINATED MATERIALS/PRODUCT	Gummed Products Ltd.,	52 Arncliffe St., Arncliffe	Address	20m	South

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
S MANUFACTURERS					
PAPER CONVERTERS	Gummed Products Ltd.,	52 Arncliffe St., Arncliffe	Address	20m	South
PLASTIC LAMINATED PRODUCTS MANUFACTURERS	Gummed Products Ltd.,	52 Arncliffe St., Arncliffe	Address	20m	South
WAXED PAPER MFRS.	Gummed Products Ltd.,	52 Arncliffe St., Arncliffe	Address	20m	South
CARRIERS & CARTAGE CONTRACTORS — MASTER	Super Transport Service Pty. Ltd.,	64 Arncliffe St., Arncliffe	Address	20m	South
CARRIERS & CARTAGE CONTRACTORS	Super Transport Service Pty. Ltd.,	64 Arncliffe St., Arncliffe	Address	20m	South
CRANES—MOBILE—PROPRIETORS &/OR HIRERS	Super Transport Service Pty. Ltd.,	64 Arncliffe St., Arncliffe	Address	20m	South
CUSTOMS AGENTS	Super Transport Service Pty. Ltd.,	64 Arncliffe St., Arncliffe	Address	20m	South
FORK LIFT TRUCK HIRING SERVICES	Super Transport Service Pty. Ltd.,	64 Arncliffe St., Arncliffe	Address	20m	South
HAULAGE CONTRACTORS	Super Transport Service Pty. Ltd.,	64 Arncliffe St., Arncliffe	Address	20m	South
ROAD TRANSPORT SERVICES—INTERSTATE	Super Transport Service Pty. Ltd.	64 Arncliffe St., Arncliffe	Address	20m	South
ROAD TRANSPORT SERVICES—N.S.W.	Super Transport Service Pty. Ltd.	64 Arncliffe St., Arncliffe	Address	20m	South
SHIP OWNERS	Super Transport Service Pty. Ltd.	64 Arncliffe St., Arncliffe	Address	20m	South
FAN & BLOWER MANUFACTURERS &/OR DISTRIBUTORS	Conditionaire Engineering Pty. Ltd.,	3-5 Willis St., Arncliffe, 2205	Address	23m	South West
DUST COLLECTION EQUIPMENT MANUFACTURERS	Conditionaire Aust Pty. Ltd.,	3 Willis St., Arncliffe	Address	23m	South West
ENGINEERS—AIR CONDITIONING	Conditionaire Aust. Pty. Ltd.,	3 Willis St., Arncliffe	Address	23m	South West
SCIENTIFIC APPARATUS MFRS. &/OR DISTRIBUTORS	Conditionaire Aust. Pty. Ltd.,	3 Willis St., Arncliffe	Address	23m	South West
VENTILATING EQUIPMENT MFRS.	Conditionaire Aust. Pty. Ltd.,	3 Willis St., Arncliffe	Address	23m	South

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
&/OR DISTRIBUTORS					West
FOUNDERS—FERROUS	Bramwell&Vincent Pty. Ltd.,	40 Arncliffe St., Arncliffe	Address	35m	South
MACHINE TOOL MFRS./IMPORTERS/ DISTRIBUTORS	Chapman, P. W. Engineering Pty. Ltd.,	78 Arncliffe St., Arncliffe, 2205	Address	47m	East
AGRICULTURAL MACHINERY— MFRS. &/OR DIST.	Chapman, P. W. Engineering Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
DISH-WASHING MACHINE MANUFACTURERS	Chapman, P. W. Engineering Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
ENGINEERS— FABRICATING	Chapman, P. W. Engineering Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
ENGINEERS— GENERAL &/OR MFRG. &/OR MECHANICAL	Chapman, P. W. Engineering Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
ENGINEERS— GENERAL &/OR MFRG. &/OR MECHANICAL	Wake Manufacturing Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
ENGINEERS—MARINE	Chapman, P. W. Engineering Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
GEAR CUTTERS/MFRS.	Chapman, P. W. Engineering Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
SHEET METAL WORKERS	Chapman, P. W. Engineering Pty. Ltd.,	84 Arncliffe St., Arncliffe	Address	47m	East
FOUNDERS—NON-FERROUS	Glassons Foundry Pty. Ltd.,	96 Arncliffe St., Arncliffe, 2205	Address	47m	East
METAL PRESSERS/STAMPERS	Stevens, W. C. Pty. Ltd.,	17-19 Arncliffe St., Arncliffe, 2205	Address	83m	South West
MOTOR RADIATOR MFRS.	Stevens, W. C. Pty. Ltd.,	17-19 Arncliffe St., Arncliffe, 2205	Address	83m	South West
MOTOR SILENCER MFRS.	Stevens, W. C. Pty. Ltd.,	17-19 Arncliffe St., Arncliffe, 2205	Address	83m	South West
TUBE BENDERS	Stevens, W. C. Pty. Ltd.,	17-19 Arncliffe St., Arncliffe, 2205	Address	83m	South West
ENGINEERS— CONSULTING	Weiss, Frank Projects Pty. Ltd.,	21 Arncliffe St., Arncliffe, 2205	Address	83m	South West
INSTRUMENTS— INDUSTRIAL—MFRS. &/OR DISTRIBUTORS	Weiss, Frank Projects Pty. Ltd.,	21 Arncliffe St., Arncliffe, 2205	Address	83m	South West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
CLEANSER & CLEANING PREPARATION MFRS. &/OR DIST.	Tulloch, C. (Aust.) Pty. Ltd.,	2 Willis St., Arncliffe	Address	83m	West
ASBESTOS LAGGING MFRS.	Beldam Asbestos Co. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
ASBESTOS MFRS. &/OR SUPPLIERS	Victor Engineering Supply Co. Pty. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
BELTING IMPS. &/OR DIST.	Victor Engineering Supply Co. Pty. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
ENGINE PACKING MFRS.	Victor Engineering Supply Co. Pty. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
ENGINE PACKING SUPPLIES	Beldam Asbestos Co. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
ENGINE PACKING SUPPLIES	Victor Engineering Supply Co. Pty. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
GASKET MANUFACTURERS	Victor Engineering Supply Co. Pty. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
RUBBER GOODS MANUFACTURERS &/OR DISTRIBUTORS	Victor Engineering Supply Co. Pty. Ltd.,	10 Willis St., Arncliffe	Address	83m	West
FURNITURE—BEDROOM—MFRS. &/OR WHOLESALERS	Lechner, M. C. Furniture Pty. Ltd.,	1-13 Lusty St., Arncliffe, 2205	Address	109m	North
FURNITURE—DIVAN, BEDROOM-SPECIALISTS, MFRS. & W'SALERS	LECHNER M C FURNITURE PTY LTD	1-13 Lusty St., Arncliffe, 2205	Address	109m	North
FURNITURE—GENERAL—MFRS. &/OR WHOLESALERS	Lechner, M. C. Furniture Pty. Ltd.,	5 Lusty St., Arncliffe	Address	109m	North
MATERIAL HANDLING EQUIPMENT IMPORTS. &/OR DIST.	Alco Sales Pty. Ltd.,	11A Arncliffe St., Arncliffe, 2205	Address	126m	South West
PUMP DEALERS—SECOND-HAND	Alco Engineering Pty. Ltd.,	11A Arncliffe St., Arncliffe, 2205	Address	126m	South West
PUMP MANUFACTURERS &/OR DISTRIBUTORS	Alco Engineering Pty. Ltd.,	11A Arncliffe St., Arncliffe	Address	126m	South West
PUMP MANUFACTURERS &/OR DISTRIBUTORS	Alco Sales Pty. Ltd.,	11A Arncliffe St., Arncliffe, 2205	Address	126m	South West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
RADIO &/OR TELEVISION SALES & SERVICEMEN	G. H. Electrics,	11A Arncliffe St., Arncliffe	Address	126m	South West
TRUCKS & TROLLEYS— INDUSTRIAL — IMPORTS. &/OR MFRS.	Alco Sales Pty. Ltd.,	11A Arncliffe St., Arncliffe, 2205	Address	126m	South West
DIE & PRESS TOOL MAKERS	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
DROP FORGERS	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
ENGINEERS— FABRICATING	Power Welding Pty. Ltd.,	30 Arncliffe St., Arncliffe, 2205	Address	154m	South West
ENGINEERS— GENERAL &/OR MFRG. &/OR MECHANICAL	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
ENGRAVERS/DIE SINKERS	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
HEAT EXCHANGER MANUFACTURERS &/OR DISTRIBUTORS	Power Welding Pty. Ltd.,	30 Arncliffe St., Arncliffe, 2205	Address	154m	South West
HEAT TREATMENT SPEC.	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
PLASTIC DIE/MOULD MFRS.	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
PRESSURE VESSEL MFRS.	Power Welding Pty. Ltd.,	30 Arncliffe St., Arncliffe, 2205	Address	154m	South West
PROFILE CUTTING SPECIALISTS	Power Welding Pty. Ltd.,	30 Arncliffe St., Arncliffe, 2205	Address	154m	South West
RUBBER MOULDING DIE MFRS.	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
STEEL FABRICATORS	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
TANK & TANK STAND MFRS. & SUPPLIERS	Power Welding Pty. Ltd.,	30 Arncliffe St., Arncliffe, 2205	Address	154m	South West
TOOL MAKERS	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
TOOL MANUFACTURERS	Kenco Engineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West
WELDERS—ELECTRIC &/OR OXY	Kenco Engiineering Pty. Ltd.,	30 Arncliffe St., Arncliffe	Address	154m	South West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
ENGINEERS—RECLAMATION	A.I. Metallising Co. Pty. Ltd.,	32 Arncliffe St., Arncliffe	Address	154m	South West
METAL SPRAYERS	A. I. Metallising Co. Pty. Ltd.,	32 Arncliffe St., Arncliffe	Address	154m	South West
DYERS/BLEACHERS—TRADE	N.S.W. Dyeing Co. Pty. Ltd.,	90 Bonar St., Arncliffe	Address	163m	North West
TEXTILE DYERS	N.S.W. Dyeing Co. Pty. Ltd.	90 Bonar St., Arncliffe	Address	163m	North West
BOWDEN CONTROL MFRS.	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
CABLE, FLEX & WIRE MFRS.	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
CABLE & WIRE CASING MFRS.	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
CYCLE ACCESSORIES—MFRS. &/OR WHOLESALERS	Consolidated Wire Pty. Ltd,	15 Lusty St., Arncliffe	Address	166m	North West
ENGINEERS-REMOTE CONTROL	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
MOTOR BRAKE CABLE/CABLE PARTS MFRS.	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
MOTOR CYCLE ACCESS. MFRS. &/OR DIST.	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
WIRE CONTROL CABLE MFRS.	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
WIRE ROPE MFRS. &/OR SPLICERS	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
WIRE ROPE MERCHANTS	Consolidated Wire Pty. Ltd.,	15 Lusty St., Arncliffe	Address	166m	North West
ELECTROPLATERS—MFRG.	Sharp, H. A. Pty. Ltd.,	Guess Ave., Arncliffe	Street		
ENGINEERS—FABRICATING	Valron Welding Engineering Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
ENGINEERS—FURNACE/COMBUSTION	W.&K. Engineering Co.,	Arncliffe St., Arncliffe	Street		
FIBREGLASS MATERIALS—MATS, WOOLS, CHOPPED	De Winter Fibreglass,	Arncliffe St., Arncliffe	Street		

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
STRAND MATS, ROVINGS, CLOTHS, ETC.—MFRS. &/OR IMPORTERS					
FIBREGLASS PRODUCTS MFRS. (MOULDING, FABRICATING, EXTRUSIONS, CONVERTING, Etc.)	All Tasks Industries Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
FURNITURE—KITCHEN UNITS & CABINETS—MANUFACTURERS &/OR WHOLESALERS	Brymer Industries Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
INCINERATOR BUILDERS/MFRS./WSALERS	Winter, R. & F. Industries Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
MOTOR TRIMMERS	McNamara, E. R. Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
MOTOR WRECKERS	Fordham Spares Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
PAPER MERCHANTS	Wassail, W. H. & Son Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
STEEL FABRICATORS	Valron Welding Engineering Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
WELDERS—ELECTRIC &/OR OXY	Valron Welding Engineering Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
WELDERS—ELECTRIC &/OR OXY	Winter, R. & F. Industries Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
WROUGHT IRON WORKERS	Winter, R. & F. Industries Pty. Ltd.,	Arncliffe St., Arncliffe	Street		
BATH & SINK HEATERS—GAS—MFRS. &/OR DIST.	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
DRYING ROOMS & SYSTEMS— MFRS. &/OR INSTALLERS	Industrial Furnaces Pty. Ltd.,	Bonar St., Arncliffe	Street		
ELECTRIC MEDICAL EQUIPMENT MFRS. &/OR DIST.	G.M.F. Electric Motors Pty. Ltd.,	Bonar St., Arncliffe	Street		
ELECTRIC MOTORS—DEALERS &/OR WHOLESALERS	G.M.F. Electric Motors Pty. Ltd.,	Bonar St., Arncliffe	Street		

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
ENGINEERS—ELECTRICAL	G.M.F. Electric Motors Pty. Ltd.,	Bonar St., Arncliffe	Street		
ENGINEERS—HOT WATER, HEATING/ VENTILATING	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
FOUNDERS—NON-FERROUS	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
GRINDING/PULVERISING MACHINERY MANUFACTURERS	G.M.F. Electric Motors Pty. Ltd.,	Bonar St., Arncliffe	Street		
HOT WATER SYSTEMS—FUEL & LIQUID—MFRS. &/OR DIST.	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
HOT WATER SYSTEMS—GAS—MFRS. &/OR DISTRIBUTORS	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
POLISHING EQUIPMENT MFRS.	G.M.F. Electric Motors Pty. Ltd.,	Bonar St., Arncliffe	Street		
RANGES—ELECTRIC—IMPORTERS &/OR DISTRIBUTORS	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
RANGES—GAS—IMPORTERS &/OR DISTRIBUTORS	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
RANGES—GAS—MFRS.	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
RANGES—SLOW COMBUSTION-MANUFACTURERS	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
ROOM HEATERS—FUEL—MFRS. &/OR DISTRIBUTORS	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
ROOM HEATERS—GAS—MFRS. &/OR DISTRIBUTORS	Potterton Industries Pty. Ltd.,	Bonar St., Arncliffe	Street		
BATHROOM EQUIPMENT MFRS. &/OR DIST.	Walmac Electrical Products Pty. Ltd.,	Lusty St., Arncliffe	Street		
BUILDERS' SUPPLIERS	Walmac Electrical Products Pty. Ltd.,	Lot A, Lusty St., Arncliffe, 2205	Street		

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
ELECTRICAL SUPPLIES/APPLIANCES MANUFACTURERS	Walmac Electrical Products Pty. Ltd.,	Lusty St., Arncliffe	Street		
ELECTRICAL SUPPLIES/APPLIANCES — WHOLESALE	Walmac Electrical Products Pty. Ltd.,	Lusty St., Arncliffe	Street		
ROOM HEATERS—ELECTRIC— MFRS. &/OR DIST.	Walmac Electrical Products Pty. Ltd.,	Lusty St., Arncliffe	Street		
ALUMINIUM DISTRIBUTORS	Purex (Aust.) Pty. Ltd.,	76 Bonar St., Arncliffe	Street		
BLEACH & DISINFECTANT MFRS.	PUREX (AUSTRALIA) PTY LTD	76 BONAR ST., ARNCLIFFE, 2205	Street		
CHEMISTS—INDUSTRIAL	Purex (Australia) Pty. Ltd.,	76 Bonar St., Arncliffe, 2205	Street		
CHEMISTS—MANUFACTURING &/OR WHOLESALE	Purex (Aust.) Pty. Ltd.,	76 Bonar St., Arncliffe	Street		
CLEANSER & CLEANING PREPARATION MFRS. &/OR DIST.	Purex (Australia) Pty. Ltd.,	76 Bonar St., Arncliffe	Street		
DETERGENTS. DISINFECTANTS, CLEANING AIDS MFRS. &/OR DISTRIBUTORS	Purex (Australia) Pty. Ltd,	76 Bonar St, Arncliffe	Street		
DISINFECTANT MFRS. &/OR DIST.	Purex (Australia) Pty. Ltd.,	76 Bonar St., Arncliffe	Street		
SWIMMING POOL CHEMICALS &/OR EQUIPMENT MFRS./DIST.	PUREX (AUSTRALIA) PTY LTD	76 Bonar St., P.O Box 88, Arncliffe, 2205	Street		

* If no distance is provided, address no longer exists.

1974 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Sheet Metal Workers	Bellamy J&G Pty Ltd	3 Guess Avenue, Arncliffe	Address	20m	South West
Carriers Heavy	Super Transport Service Pty Ltd	64 Arnciffe, Arncliffe	Address	20m	South

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Radio Parts Mfrs &/or W'salers	Aerostat (Aust) Pty Ltd	7 Willis Street, Arncliffe	Address	20m	West
Foundries - Iron & Steel	Bramwell & Vincent Pty Ltd	40 Arncliffe Street, Arncliffe	Address	35m	South
Steel Fabricators &/or Mfrs	Chapman (PW) Engineering Pty Ltd	78 Arncliffe Street, Arncliffe	Address	47m	East
Foundries	Glassons Foundry Pty Ltd	96 Arncliffe Street, Arncliffe	Address	47m	East
Foundries - Non-Ferrous Metals	Glassons Foundry Pty Ltd	96 Arncliffe Street, Arncliffe	Address	47m	East
Carpets & Linoleums - Mfrs &/or W'salers	New Zealand Flooring Products Co Ltd	4 Willis Street, Arncliffe	Address	83m	West
Gaskets & Packings	Garlock	10 Willis Street, Arncliffe	Address	83m	West
Motor Engineers & Repairers	Burton Stu Motors	11 Arncliffe Street, Arncliffe	Address	126m	South West
Metal Sprayers	A1 Metallising Co Pty Ltd	9 Arncliffe Street, Arncliffe	Address	126m	South West
Rubber Products - Mfrs. &/or W'salers	Da/Pro (Aust) Pty Ltd	30 Arncliffe Street, Arncliffe	Address	154m	South West
Brake &/or Clutch Lining Mfrs. &/or W'salers	Joseph Bros Pty Ltd	1 Arncliffe Street, Arncliffe	Address	172m	West
Motor Cars - Used	Moore Motors Pty Ltd	4 Princes Highway, Arncliffe	Address	188m	South East
Motor Cars - Used	Short ET	4 Princes Highway, Arncliffe	Address	188m	South East
Fibreglass Mfrs &/or W'salers	de Winter Fibreglass	Arncliffe Street, Arncliffe	Street		
Carriers Light	Caelli Parcel Service Pty Ltd	Arncliffe Street, Arncliffe	Street		
Motor Wreckers	Fordham Spares Pty Ltd	Arncliffe Street, Arncliffe	Street		
Electric Motors & Generators	G.M.F Electric Motors Pty Ltd	Bonar Street, Arncliffe	Street		
Sheet Metal Workers	Kirrawee Sheetmetal Pty Ltd	2 Lusty Street, Arncliffe	Street		

* If no distance is provided, address no longer exists.

1980 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA
(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Enamelling - Baked &/or Porcelain	Bellamy Enamel Finishers	3 Guess Avenue, Arncliffe	Address	20m	South West
Spraying - Enamel, Lacquer & Paint	Bellamy Enamel Finishes	3 Guess Avenue, Arncliffe	Address	20m	South West
Engineers - Manufacturing	Sharp H A Pty Ltd	15 Guess Avenue, Arncliffe	Address	20m	West
Motor Body Builders & Repairers	Parkview Smash Repairs	21 Guess Avenue, Arncliffe	Address	20m	West
Panel Beaters &/or Painters	Parkview Smash Repairs	21 Guess Avenue, Arncliffe	Address	20m	West
Dental Supplies &/or Equipment	Forrest Dental Supplies	7 Willis St., Arncliffe	Address	20m	West
Dental Supplies &/or Equipment	Willows	7 Willis St., Arncliffe	Address	20m	West
Medical Supplies	Forrest Medical & Hospital Supplies	7 Willis St., Arncliffe	Address	20m	West
Medical Supplies	Willows	7 Willis St., Arncliffe	Address	20m	West
Engineers - General	Eastern Elevators Pty Ltd	9 Willis St., Arncliffe	Address	20m	West
Lifts	Eastern Elevators Pty Ltd	9 Willis St., Arncliffe	Address	20m	West
Lifts - Maintenance & Repairs	Eastern Elevators Pty Ltd	9 Willis St., Arncliffe	Address	20m	West
Aircraft Equipment &/or Service	Aviation Engineering Supplies	13 Willis St., Arncliffe	Address	20m	West
Aircraft Equipment &/or Service	Cooper Airmotive Australia	13 Willis St., Arncliffe	Address	20m	West
Boat Equipment	Qualicraft Manufacturing Industries Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Caravans &/or Equipment	Starlite Windows Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Glass Merchants &/or Glaziers	Qualicraft Manufacturing Industries Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Glass - Safety	Qualicraft Manufacturing Industries Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Insect Screens &/or Requisites	Meyers Taylor Sales Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Motor Accessories - Mfrs &/or W'salers	Qualicraft Manufacturing Industries Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Motor Body Builders' Supplies	Qualicraft Manufacturing Industries Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Plastics - Moulders	Meyers Taylor Sales Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Windows - Metal - Mfrs &/or W'salers	Qualicraft Manufacturing Industries Pty Ltd	52 Arncliffe St., Arncliffe	Address	20m	South
Transport Services	Super Transport Services (Mayne Nickless Ltd)	64 Arncliffe St., Arncliffe	Address	20m	South
Transport Services	Super Transport Service	35 Arncliffe St., Arncliffe	Address	22m	North East
Toolmakers	Kenco Engineering Pty Ltd	3 Willis St., Arncliffe	Address	23m	South West
Foundries - Iron & Steel	Bramwell & Vincent Pty Ltd	40 Arncliffe St., Arncliffe	Address	35m	South
Soap Mfrs &/or W'salers	E B D Distributors	78 Arncliffe St., Arncliffe	Address	47m	East
Soap Mfrs &/or W'salers	Tulloch & Kapeco Distributors Pty Ltd	78 Arncliffe St., Arncliffe	Address	47m	East
Steel Fabrication &/or Mfrs	Chapman (P W) Engineering Pty Ltd	78 Arncliffe St., Arncliffe	Address	47m	East
Panel Beaters &/or Painters	Centrepont Smash Repairs Pty Ltd	80 Arncliffe St., Arncliffe	Address	47m	East
Art Metal Work	S R J Pty Ltd	94 Arncliffe St., Arncliffe	Address	47m	East
Balustrading	Glassons Foundry Pty Ltd	96 Arncliffe St., Arncliffe	Address	47m	East
Foundries - Non-Ferrous Metals	Glassons Foundry Pty Ltd	96 Arncliffe St., Arncliffe	Address	47m	East
Clothing - Shirt, Collar & Pyjama Mfrs &/or W'salers	Continental Shirt Manufacturing Co Pty Ltd	30 Guess Avenue, Arncliffe	Address	70m	North West
Carpets, linoleums & Vinyls - Mfrs &/or W'salers	New Zealand Flooring Products Co Ltd	4 Willis St., Arncliffe	Address	83m	West
Expansion Joints	Victor Engineering Pty Ltd	10 Willis St., Arncliffe	Address	83m	West
Gaskets & Packings	Garlock	10 Willis St., Arncliffe	Address	83m	West
Seals - Oil &/or Mechanical	Durametallic Corporation	10 Willis St., Arncliffe	Address	83m	West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Builders & Contractors	Ellis C H & C R Pty Ltd	19 Arncliffe St., Arncliffe	Address	83m	South West
Excavating &/or Earth Moving Contractors	Ellis C H & C R Pty Ltd	19 Arncliffe St., Arncliffe	Address	83m	South West
Signwriters	Campbell Displays Pty Ltd	15 Arncliffe St., Arncliffe	Address	83m	South West
Instruments - General	Weiss Frank Projects Pty Ltd	21 Arncliffe St., Arncliffe	Address	83m	South West
Air Conditioning - Commercial & Industrial	Repco Bohn (Div of. Repco Ltd)	34 Arncliffe St., Arncliffe	Address	98m	South
Air Conditioning Equipment Parts - Mfrs &/or W'salers	Repco Bohn	34 Arncliffe St., Arncliffe	Address	98m	South
Refrigeration Equipment - Mfrs &/or W'salers	Repco Bunn	34 Arncliffe St., Arncliffe	Address	98m	South
Furniture Mfrs. &/or W'salers	Lechner M C Furniture Pty Ltd	1 Lusty St., Arncliffe	Address	109m	North
Aluminium Fabricators	O'Brien Glass Industries Ltd.	7 Arncliffe St., Arncliffe	Address	126m	West
Burglar Alarm Systems	O'Brien Glass Industries Ltd	7 Arncliffe St., Arncliffe	Address	126m	West
Doors & Door Fittings	O'Brien Glass Industries Ltd	7 Arncliffe St., Arncliffe	Address	126m	West
Glass Merchants &/or Glaziers	O'Brien Glass Industries Ltd	7 Arncliffe St., Arncliffe	Address	126m	West
Glass Merchants &/or Glaziers	Sydney Glass Co	7 Arncliffe St., Arncliffe	Address	126m	West
Mirrors	O'Brien Mirror Service	7 Arncliffe St., Arncliffe	Address	126m	West
Noise Control Equipment	O'Brien Glass Industries Ltd	7 Arncliffe St., Arncliffe	Address	126m	West
Shop & Office Fittings	O'Brien Glass Industries Ltd	7 Arncliffe St., Arncliffe	Address	126m	West
Show Cases & Glass Counters	O'Brien Glass Industries Ltd	7 Arncliffe St., Arncliffe	Address	126m	West
Hard Facing	A I Metallising Services Ltd	9 Arncliffe St., Arncliffe	Address	126m	South West
Metal Sprayers	A.1 Metallising Services	9 Arncliffe St., Arncliffe	Address	126m	South West
Motor Engineers & Repairers	Burton Stu Motors	11 Arncliffe St., Arncliffe	Address	126m	South West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Motor Engineers & Repairers	Wayne & Tony Automotive	11a Arncliffe St., Arncliffe	Address	126m	South West
Rubber Products - Mfrs &/or W'salers	Da/Pro (Aust) Pty Ltd	30 Arncliffe St., Arncliffe	Address	154m	South West
Curtains - Mfrs &/or W'salers	Continuous Curtains of Australia Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Fabrics - Knitted	B & S Industries Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Knitwear Mfrs. &/or W'salers	B Bart Fabrics Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Linen Mfrs &/or W'salers	B & S Products Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Plastics - Products - Mfrs &/or W'salers	B & S Industries Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Printers - Textile	Sydney Dyers & Bleachers Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Textile Mills	B & S Industries Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Boat Equipment	Con Wire Cables	15 Lusty St., Arncliffe	Address	166m	North West
Brake & or Clutch Equipment Mfrs &/or W'salers	Consolidated Wire Pty Ltd	15 Lusty St., Arncliffe	Address	166m	North West
Cables - Mechanical	Consolidated Wire Pty Ltd	15 Lusty St., Arncliffe	Address	166m	North West
Wire Ropes & Fittings	Con Wire Cables	15 Lusty St., Arncliffe	Address	166m	North West
Brake &/or Clutch Service	Joseph Bros Pty Ltd	1 Arncliffe St., Arncliffe	Address	172m	West
Motor Replacement Parts	Joseph Bros Pty Ltd	1 Arncliffe St., Arncliffe	Address	172m	West
Cabinet Makers	Brymer Furniture Pty Ltd	Arncliffe St., Arncliffe	Street		
Concrete - Ready-Mixed	Ready Mixed Concrete Industries Ltd	Arncliffe St., Arncliffe	Street		
Motor Replacement Parts	Fordham Spares	Arncliffe St., Arncliffe	Street		
Motor Wreckers	Fordham Spares	Arncliffe St., Arncliffe	Street		
Vegetable Growers	Lee Sun	Arncliffe St., Arncliffe	Street		

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Electric Motors & Generators	G M F Motors (Electrical Equipment Ltd)	Bonar St., Arncliffe	Street		
Engineers' Supplies	G.M.F. Motors (D U Electrical Equipment Ltd)	Bonar St., Arncliffe	Street		
Bolts & Nuts	Eclipse Engineering Sales Pty Ltd	2 Lusty St., Arncliffe	Street		
Fasteners - Industrial	Eclipse Engineering Sales Pty Ltd	2 Lusty St., Arncliffe	Street		
Steel Wool Mfrs &/or W'salers	Jex Steelwool (Purex Australia Pty Ltd)	76 Bonar St., Arncliffe	Street		
Swimming Pool Equipment & Chemicals	Purex Aust Pty Ltd	76 Bonar St., Arncliffe	Street		
Water Softeners & Treatment	Purex Aust Pty Ltd	76 Bonar St., Arncliffe	Street		
Enamelling - Baked &/or Porcelain	Bellamy Enamel Finishers	3 Guess Avenue, Arncliffe	Street		

* If no distance is provided, address no longer exists.

1990 HISTORICAL COMMERCIAL & TRADE DIRECTORY DATA

(200m Buffer)

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Panel Beaters &/or Painters	Parkview Smash Repairs	21 Guess Avenue, Arncliffe	Address	20m	West
Paints - Mfrs &/or W'salers	Harlequin Premium Paints	52 Arncliffe, Arncliffe	Address	20m	South
Lifts	Eastern Elevators Pty Ltd	9 Willis St., Arncliffe	Address	20m	West
Lifts - Maintenance & Repairs	Eastern Elevators Pty Ltd	9 Willis St., Arncliffe	Address	20m	West
Motor Wreckers	Nippon Truck Wreckers	78 Arncliffe Street, Arncliffe	Address	47m	East
Panel Beaters &/or Painters	Banksia Smash Repairs & Towing Services	80 Arncliffe, Arncliffe	Address	47m	East
Soap Mfrs &/or W'salers	Tulloch & Kapeco Distributors Pty Ltd	84 Arncliffe Street, Arncliffe	Address	47m	East
Balustrading	Glassons Foundry Pty Ltd	88 Arncliffe Street, Arncliffe	Address	47m	East
Motor Wreckers	Arncliffe Spares	98 Arncliffe Street, Arncliffe	Address	47m	East
Gaskets & Packings	Garlock Pty Ltd	10 Willis St., Arncliffe	Address	83m	West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Instruments - General	Weiss Frank Projects Pty Ltd	21 Arncliffe St., Arncliffe	Address	83m	South West
Can Mfrs	Morris McMahon & Co Pty Ltd	34 Arncliffe Street, Arncliffe	Address	98m	South
Can Mfrs	National Can (NSW) Pty Ltd	34 Arncliffe Street, Arncliffe	Address	98m	South
Metal Sprayers	A-1 Metallising Services (Reclamation Engineers & Consultants Arc & Gas Spraying of all metals Tungsten carbide, Stellite & ceramics, Hardfacing & Cladding by auto-welding, Large Capacity, Internal & External Grinding)	9 Arncliffe Street, Arncliffe	Address	126m	South West
Plastics - Products - Mfrs &/or W'salers	Ace Bottle Printing Pty Ltd	7 Arncliffe, Arncliffe	Address	126m	West
Printers - Glass	Ace Bottle Printing Pty Ltd	7 Arncliffe, Arncliffe	Address	126m	West
Screen Printers	Ace Bottle Printing Pty Ltd	7 Arncliffe Street, Arncliffe	Address	126m	West
Engineers - Manufacturing	Sharp H A Pty Ltd	7 Arncliffe Street, Arncliffe	Address	126m	West
Fuel Injection Equipment &/or Service	S.R. Performance Automotives	11a Arncliffe, Arncliffe	Address	126m	South West
Motor Engineers & Repairers	S.R. Performance Automotives	11a Arncliffe Street, Arncliffe	Address	126m	South West
Curtains - Mfrs &/or W'salers	Continuous Curtains of Aust Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Knitwear Mfrs. &/or W'salers	B Bart Fabrics Pty Ltd	88 Bonar St., Arncliffe	Address	163m	North West
Boat & Yacht Equipment	Con Wire Cables	15 Lusty St., Arncliffe	Address	166m	North West
Cables - Mechanical	Consolidated Wire Pty Ltd	15 Lusty St., Arncliffe	Address	166m	North West
Wire &/or Synthesis Ropes & Fittings	Con Wire Cables	15 Lusty St., Arncliffe	Address	166m	North West
Carriers - Heavy	Downey Paul J Transport	1 Arncliffe, Arncliffe	Address	172m	West
Transport Services	Downey Paul J Transport	1 Arncliffe Street, Arncliffe	Address	172m	West
Transport & Forwarding Agents	Mission Forwarding	1 Arncliffe, Arncliffe	Address	172m	West

Activity	Name	Address	Positional accuracy	Distance (m) *	Direction
Transport Services	Downey Paul J Transport	1 Arncliffe Street, Arncliffe	Address	172m	West
Panel Beaters &/or Painters	Cousins Smash Repairs	4 Princes Highway, Arncliffe	Address	188m	South East
Concrete - Ready-Mixed	Boral Concrete	Arncliffe Street, Arncliffe	Street		
Motor Wreckers	Fordham Spares	Arncliffe Street, Arncliffe	Street		
Motor Replacement Parts	Fordham Spares	Arncliffe St., Arncliffe	Street		
Bolts & Nuts	Eclipse Engineering Sales Pty Ltd	2 Lusty St., Arncliffe	Street		
Fasteners - Industrial	Eclipse Engineering Sales Pty Ltd	2 Lusty St., Arncliffe	Street		

* If no distance is provided, address no longer exists.

Land Insight and resources use a number of different address georeferencing methods and characterised them according to the following criteria: completeness (match rates) and positional accuracy. When address do not contain specific street numbers or a match is not found, records identified as being in the surrounding areas are included for reference.

Historical dataset positional accuracy and georeferencing results explanation

Positional accuracy	Georeferenced	Description
Address	Located to the address level	<i>When street address and names fully matched.</i>
Street	Located to the street centroid	<i>When street names match but no exact address was found. Location is approximate.</i>
Place	Located to the structure, building or complex	<i>When building, residential complex or structure name match but no exact address was found. Location is approximate.</i>
Suburb	Located to the suburb area	<i>When suburb name match but no exact address was found. Location is approximate.</i>
Not georeferenced	Not found	<i>When it was not georeferenced, and address could not be found.</i>

Section 3 Other Environmental Constraints

3.1 FEDERAL, STATE AND LOCAL HERITAGE

Map 9 (200m Buffer)

Local Environment Plan (LEP) Heritage

Site Name	Site ID	Significance	Type	Distance (m)*	Direction
Not identified	-	-	-	-	-

National Heritage List (NHL)

Site Name	Site ID	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Register of the National Estate (RNE)

Site Name	Site ID	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Non-Aboriginal heritage item (Local)

Site Name	Site ID	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

Non-Aboriginal heritage item (SHR)*

Site Name	Site ID	Listing n°	Plan n°	Distance (m)	Direction
Tempe House & St Magdalenes Chapel	5045451	00725	1778	185.94	North-east

*State Heritage Register

Commonwealth Heritage List (CHL)

Site Name	Site ID	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

World Heritage Area (WHA)

Site Name	Site ID	IUCN	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

3.2 NATURAL HAZARDS & COASTAL MANAGEMENT

Map 10 (500m Buffer)

Bush Fire Prone Land (BPL)

Category	On the Property?	Within Record Search Buffer?
Not identified	-	-

Fire History (Wildfires and Prescribed Burns)

Category	On the Property?	Within Record Search Buffer?
Not identified	-	-

Flood Hazard Area

Name	On the Property?	Within Record Search Buffer?
Flood Prone Land	Yes	Yes

3.3 STATE ENVIRONMENTAL PLANNING POLICY (COASTAL MANAGEMENT)

Map 10 (500m Buffer)

Type	On the Property?	Within Record Search Buffer?
Coastal Wetlands Proximity Area	Not identified	Yes
Coastal Wetlands	Not identified	Yes
Coastal Environment Area Map	Not identified	Yes
Coastal Use Area Map	Not identified	Yes



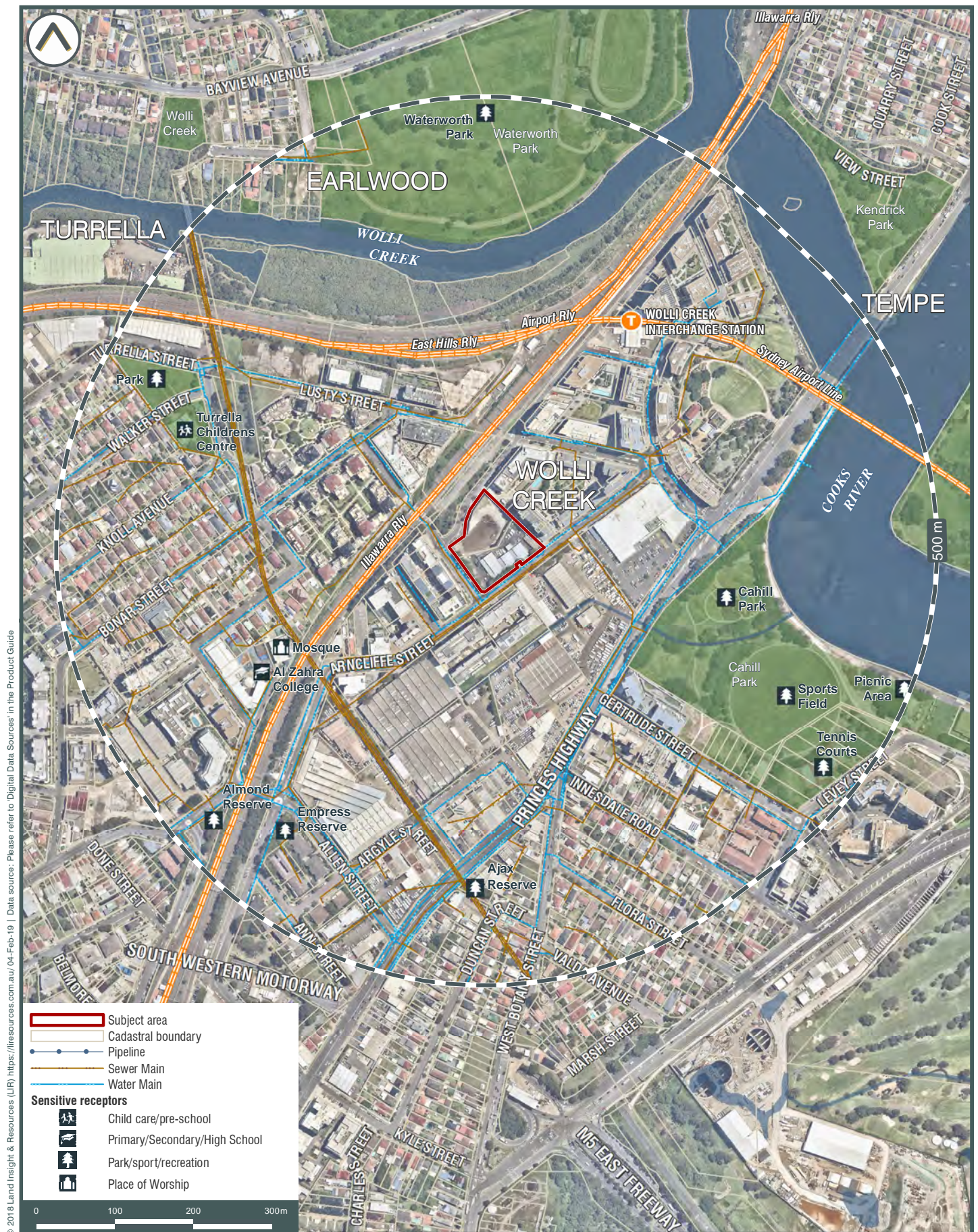
**LAND INSIGHT
& RESOURCES**

A 4307/4 Daydream Street, Warriewood NSW 2102
T 02 9979 1720
E info@liresources.com.au
W www.liresources.com.au



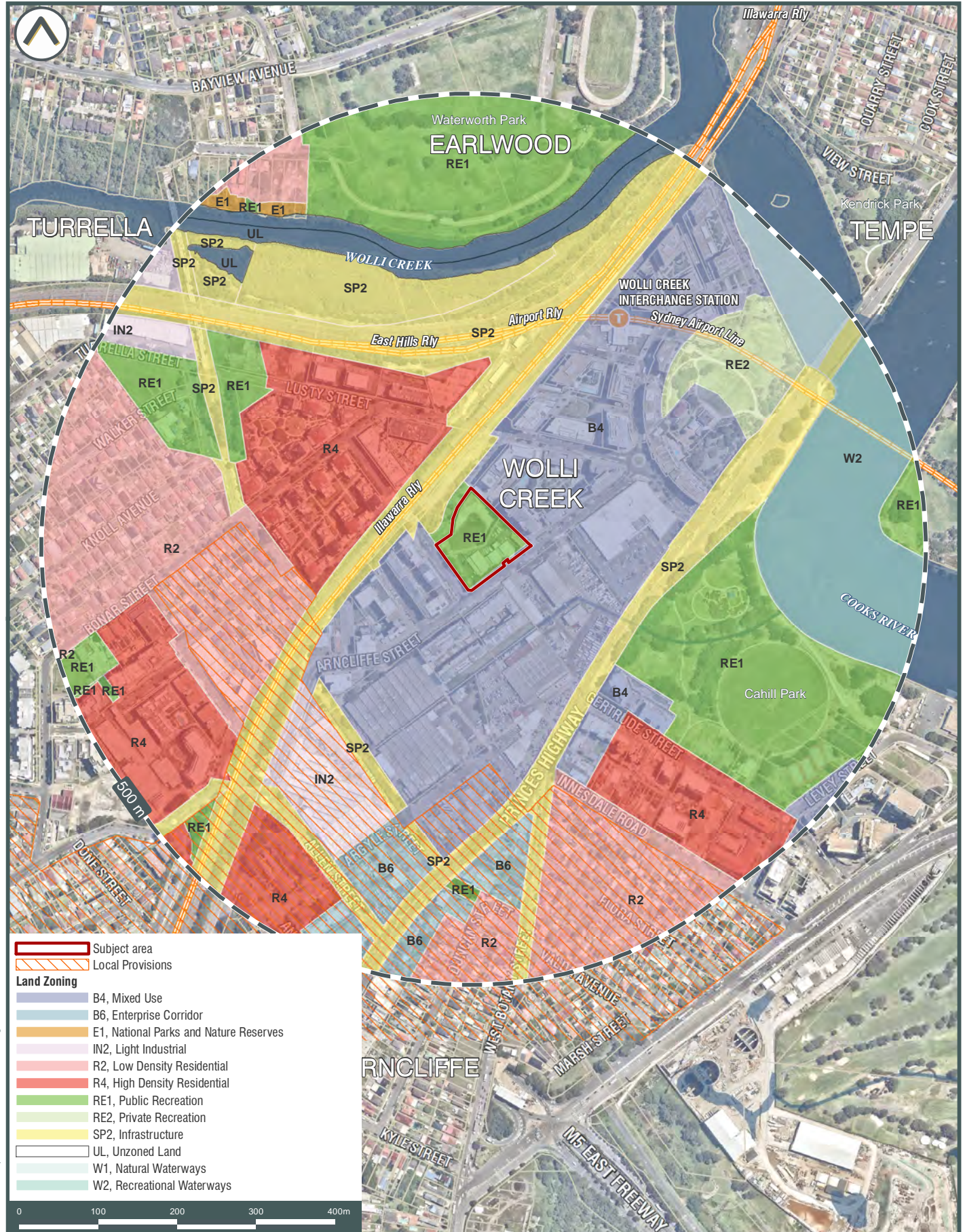
ATTACHMENT A

Report Maps



SUBJECT AREA AND SENSITIVE RECEPTORS

MAP 1

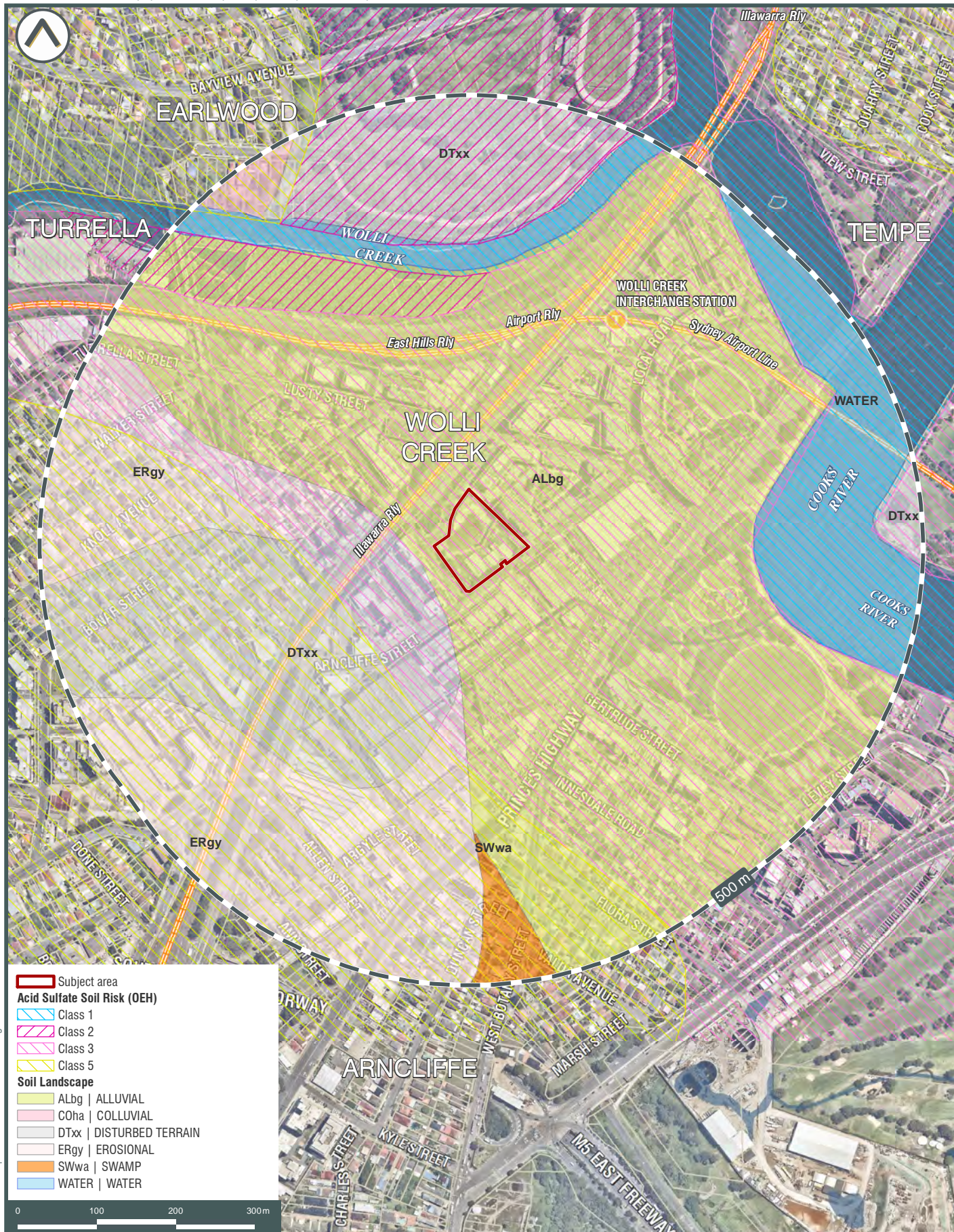


PLANNING CONTROLS



MAP 2



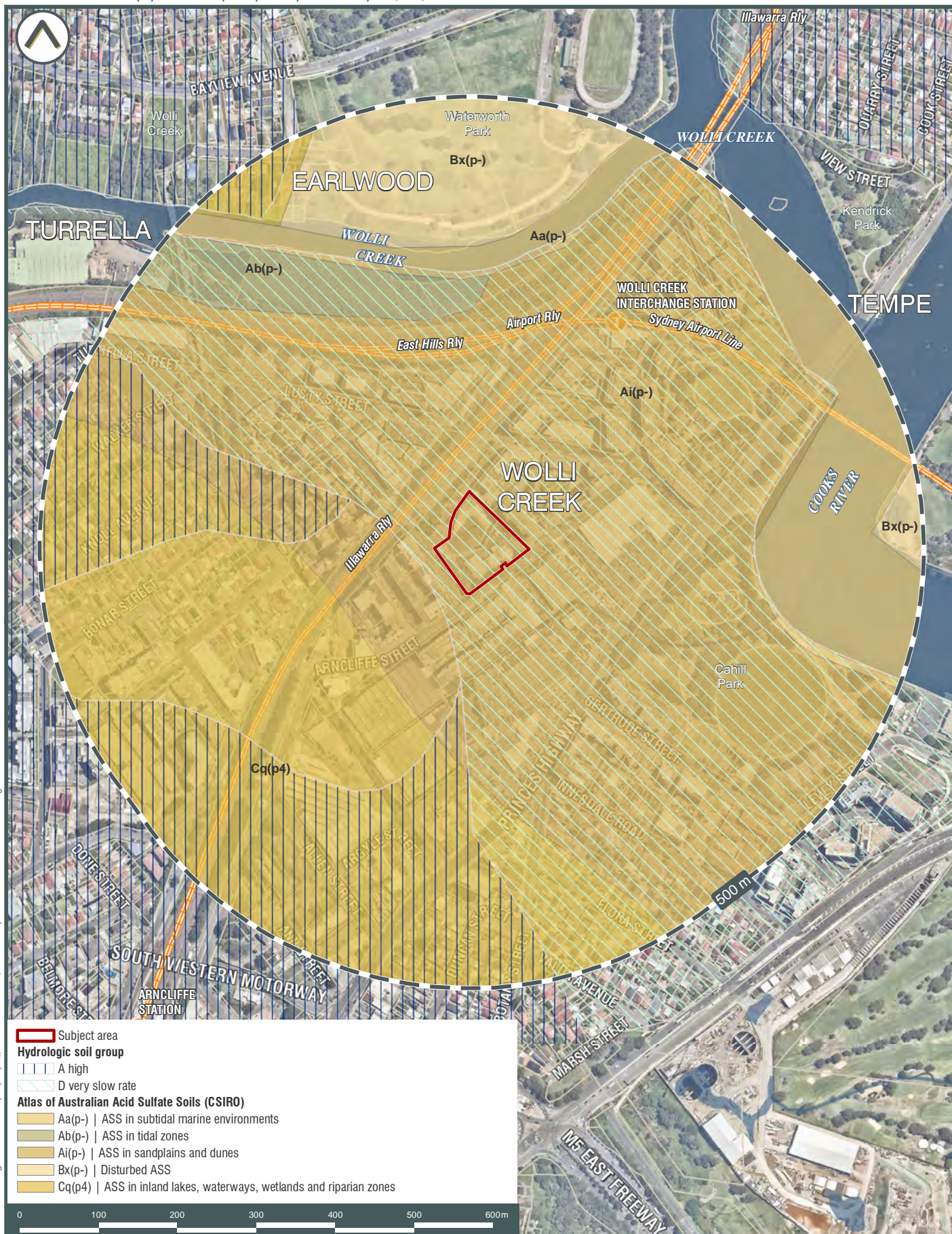


SOIL LANDSCAPES AND ACID SULFATE SOIL RISK



MAP 3a



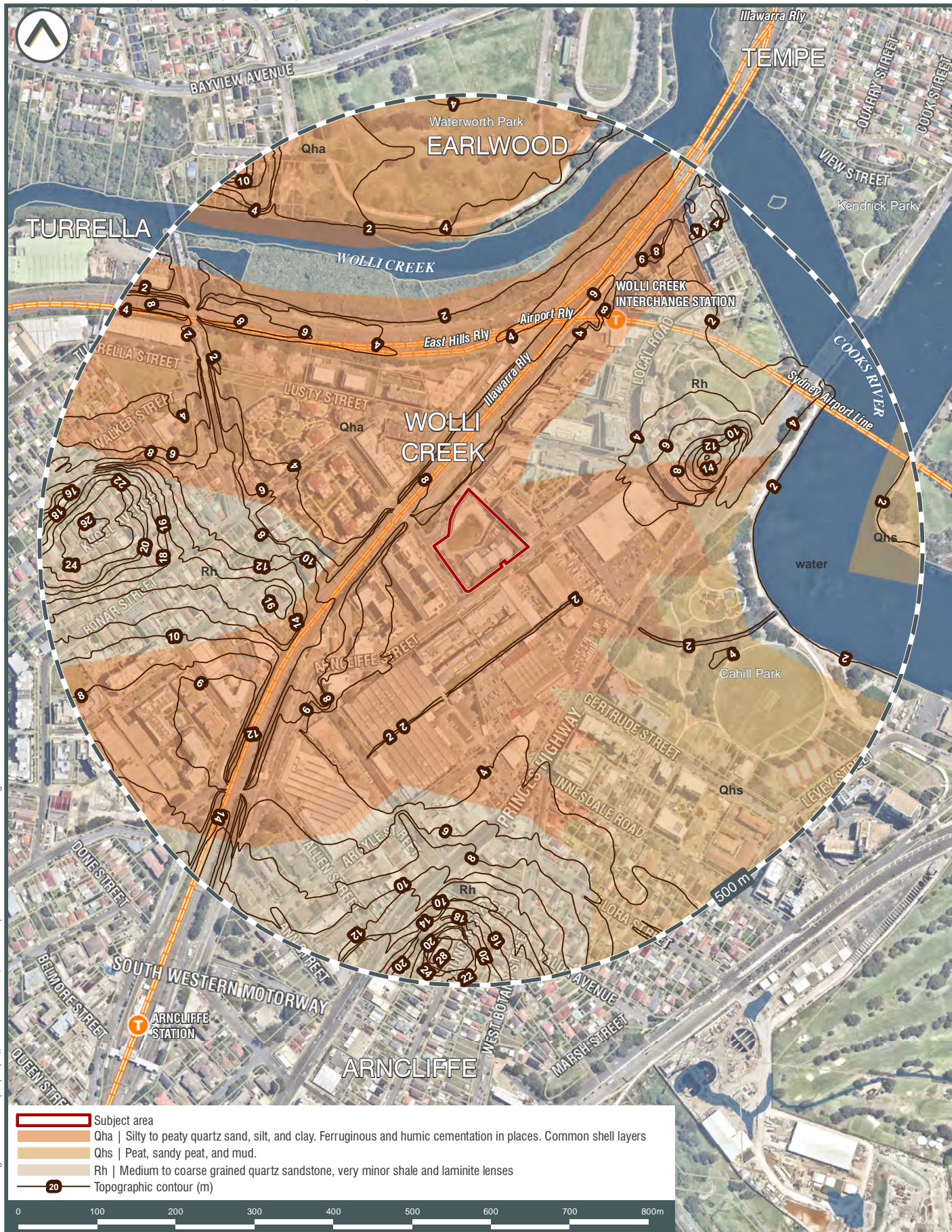


ATLAS OF AUSTRALIAN ACID SULFATE SOILS AND SALINITY



MAP 3b



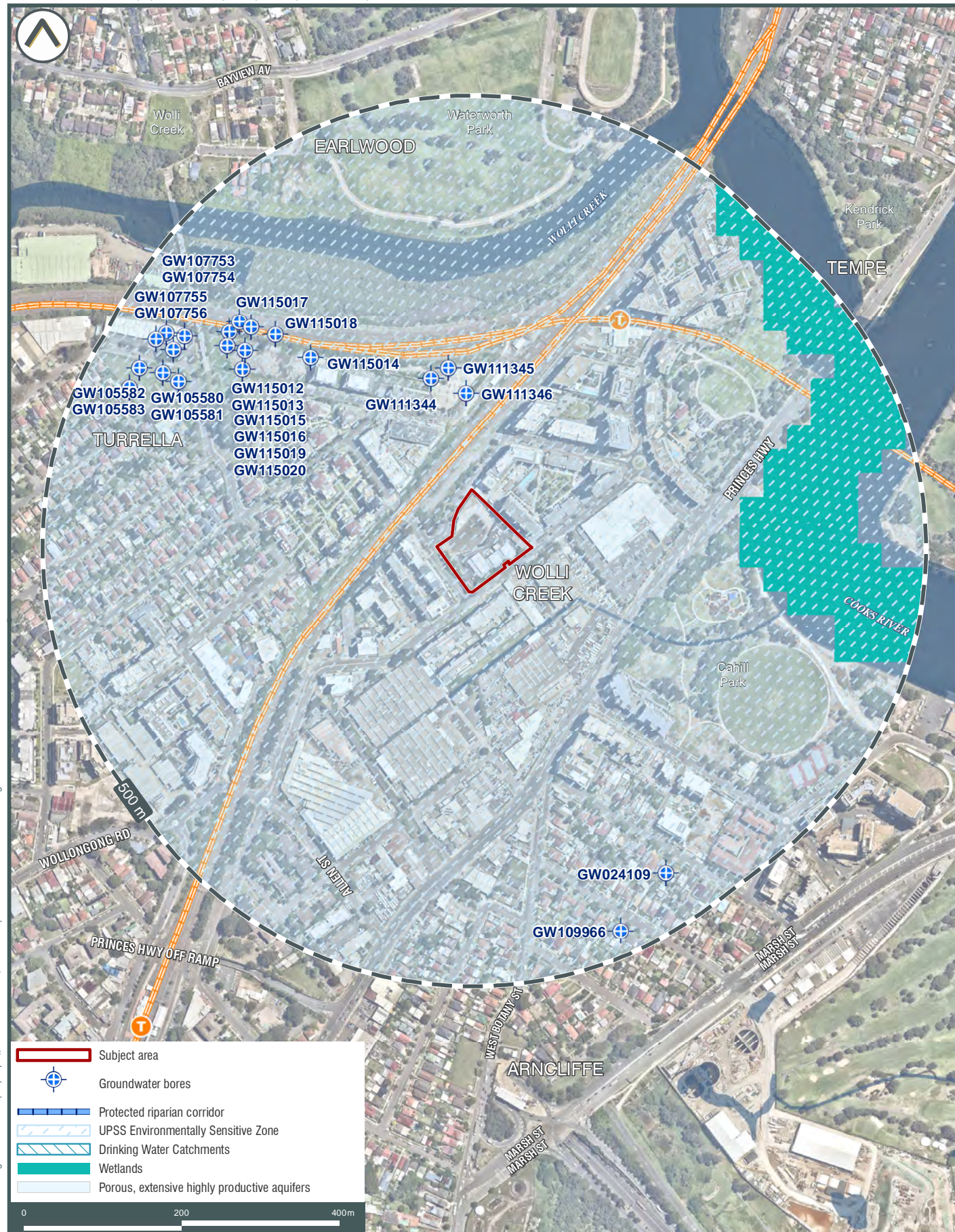


GEOLOGY AND TOPOGRAPHY



MAP 4

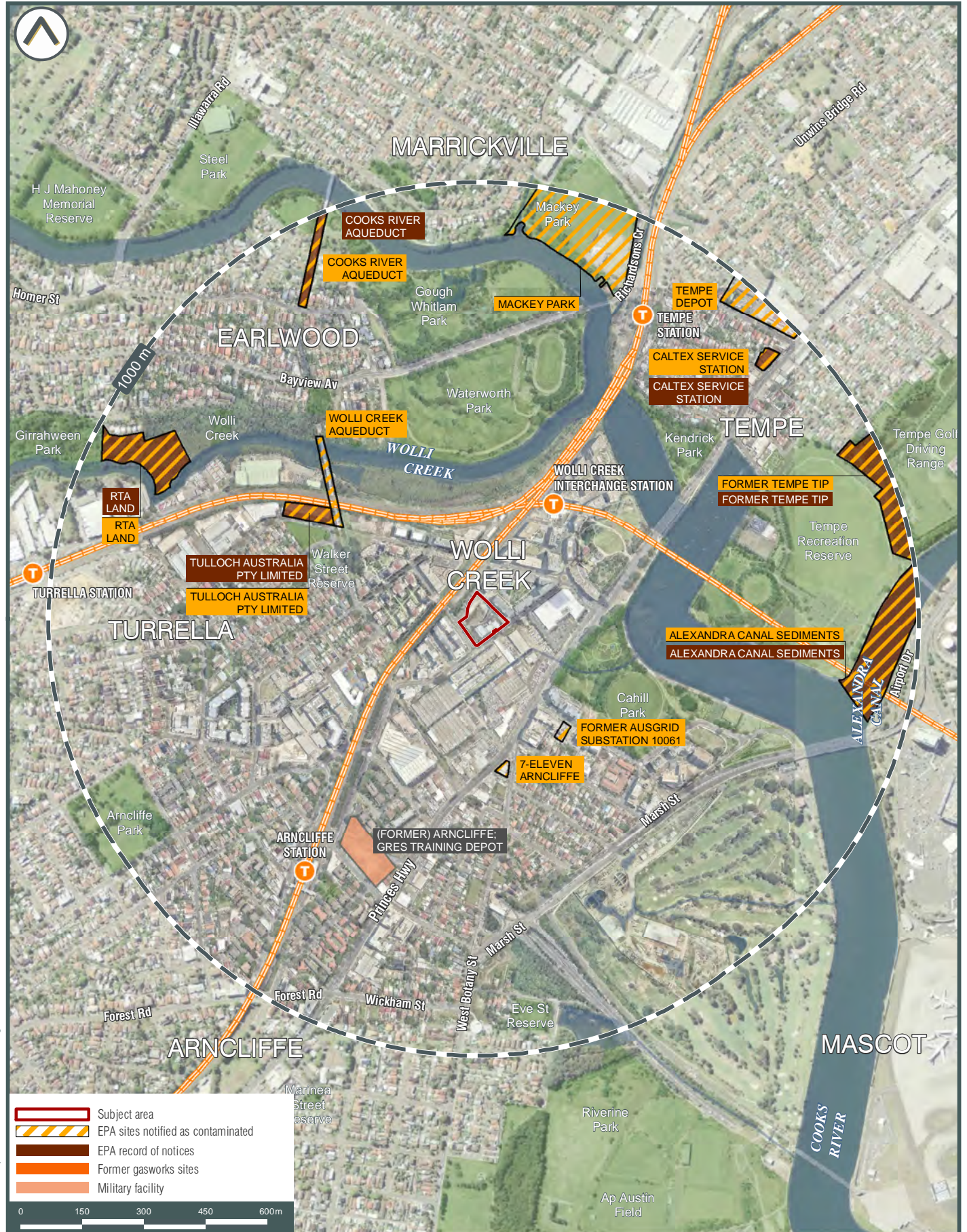




HYDROGEOLOGY AND GROUNDWATER BORES







EPA RECORDS AND OTHER REGULATORY CONTAMINATION ISSUES



POTENTIALLY CONTAMINATING ACTIVITIES



MAP 7a





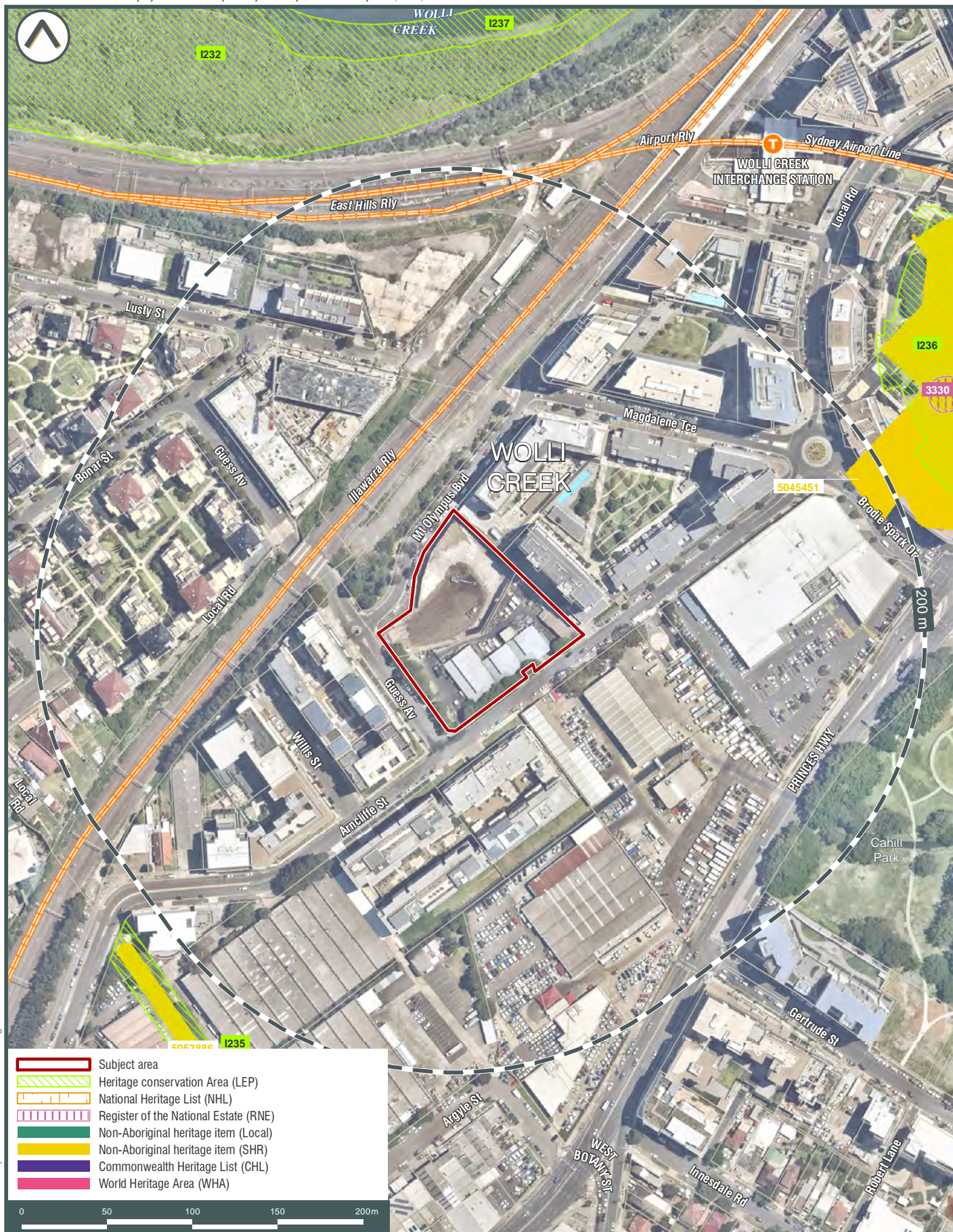
OTHER POTENTIALLY CONTAMINATING ACTIVITIES





LICENSING UNDER THE POEO ACT 1997 AND NPI FACILITIES



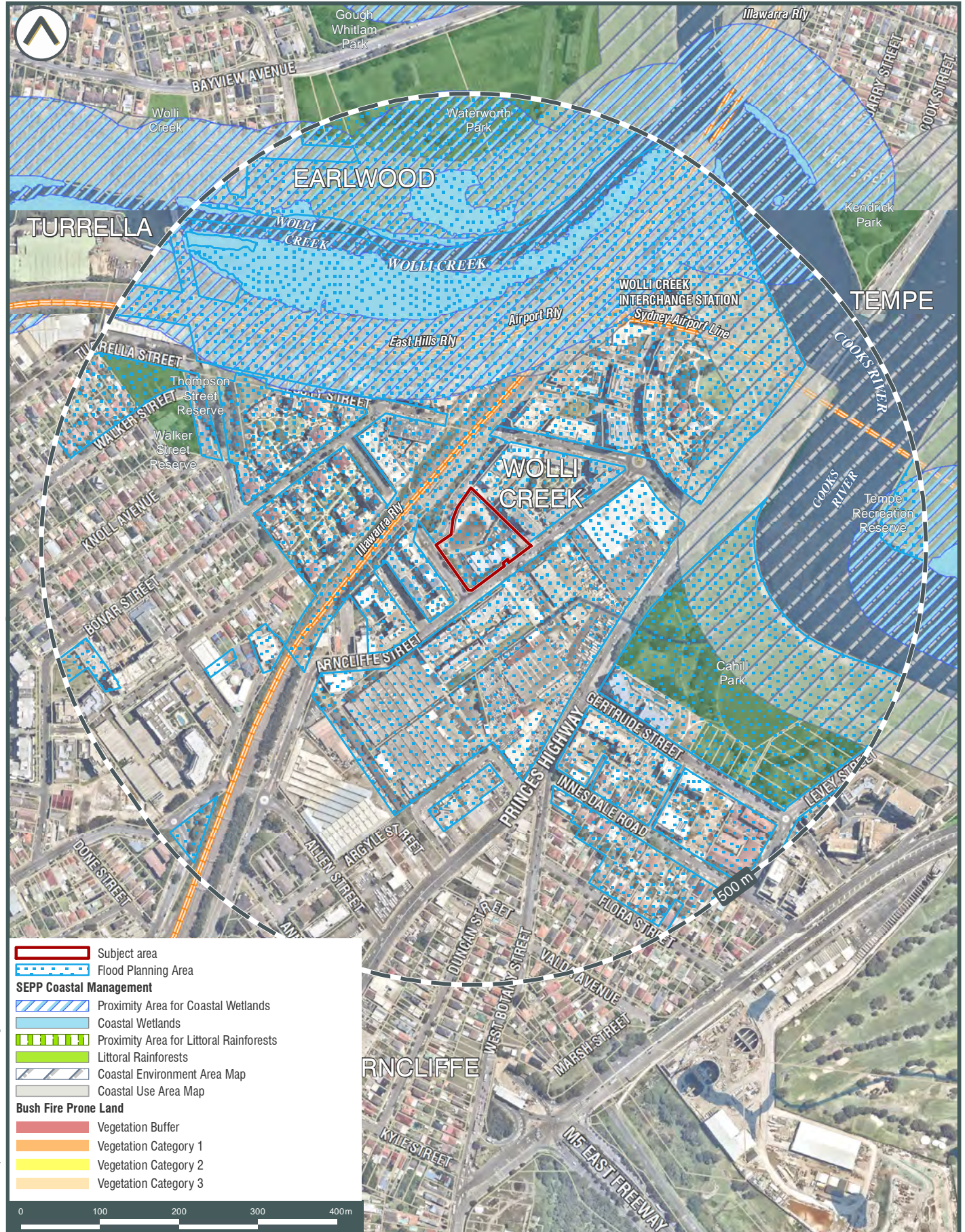


HERITAGE



MAP 9





NATURAL HAZARD AND COASTAL MANAGEMENT



MAP 10

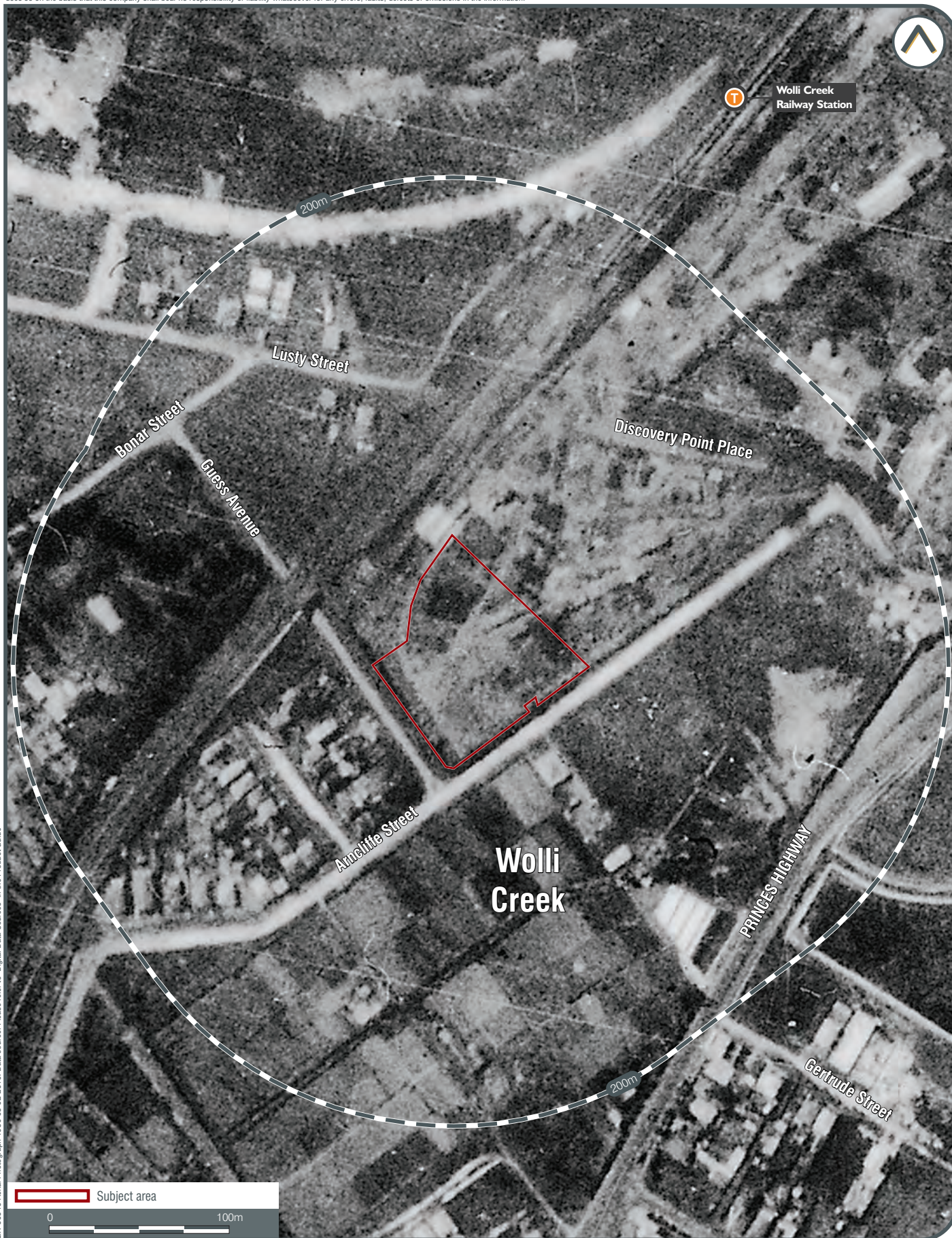




ATTACHMENT B

Historical Imagery





HISTORIC AERIAL PHOTOGRAPH - 1930



LUR-00549 Aerial Photograph 1943 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1943



MAP 12





LUR-00549 Aerial Photograph 1951 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1951

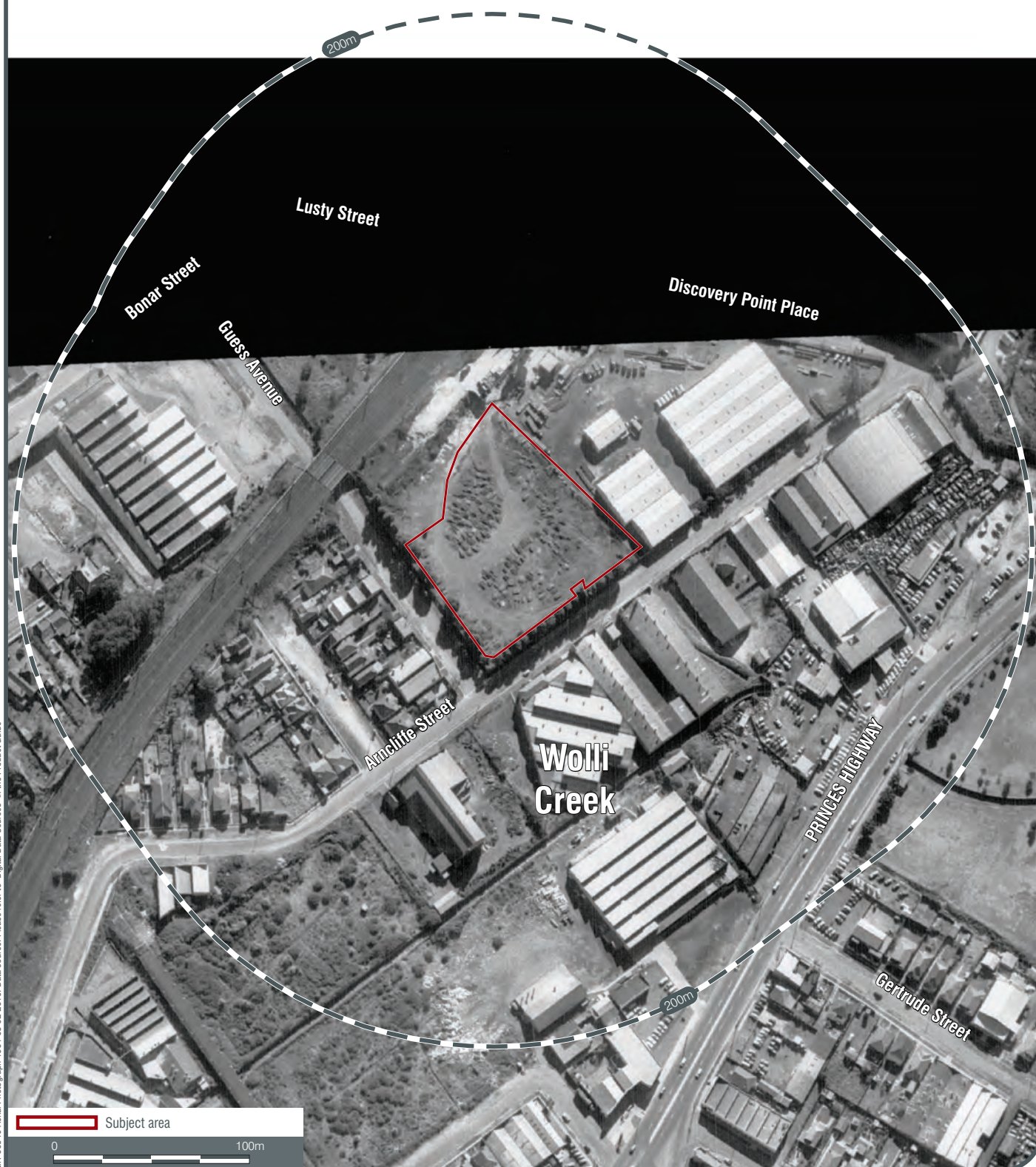


MAP 13





**Wolli Creek
Railway Station**



LUR-00549 Aerial Photograph 1961 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1961



MAP 14





LIR-00549 Aerial Photograph 1975 03 02 2019. Data sources: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1963



MAP 15





HISTORIC AERIAL PHOTOGRAPH - 1970



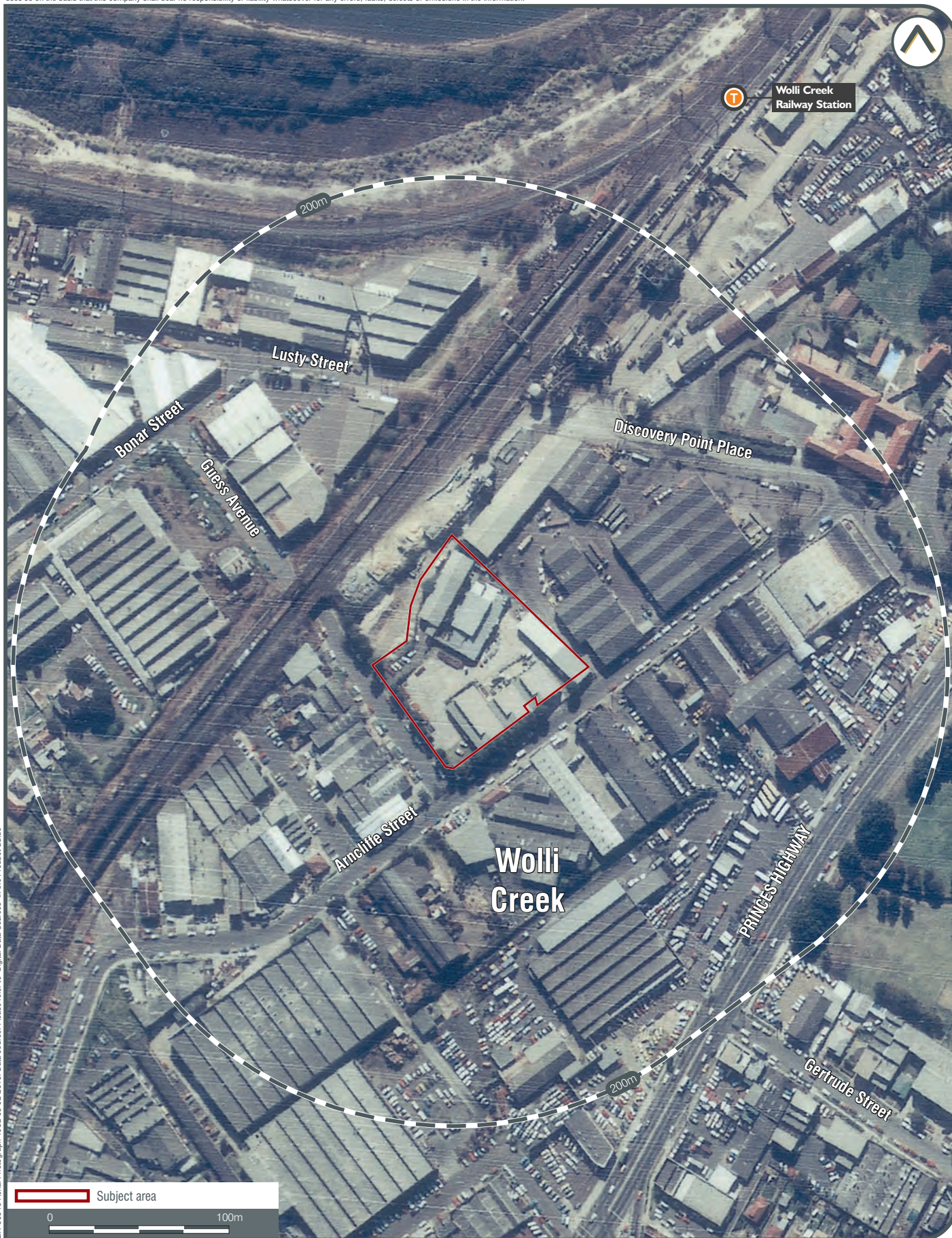
LUR-00549 Aerial Photograph 1975 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1975



MAP 17





LUR-00549 Aerial Photograph, 1982 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1982



MAP 18





LUR-00549 Aerial Photograph 1986 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1986



MAP 19





LUR-00549 Aerial Photograph 1943 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 1994



MAP 20





LIR-00549 Aerial Photograph 2002 03 02 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2002



MAP 21





LIR-00496 Aerial Photograph 2018 15 01 2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2004



MAP 22





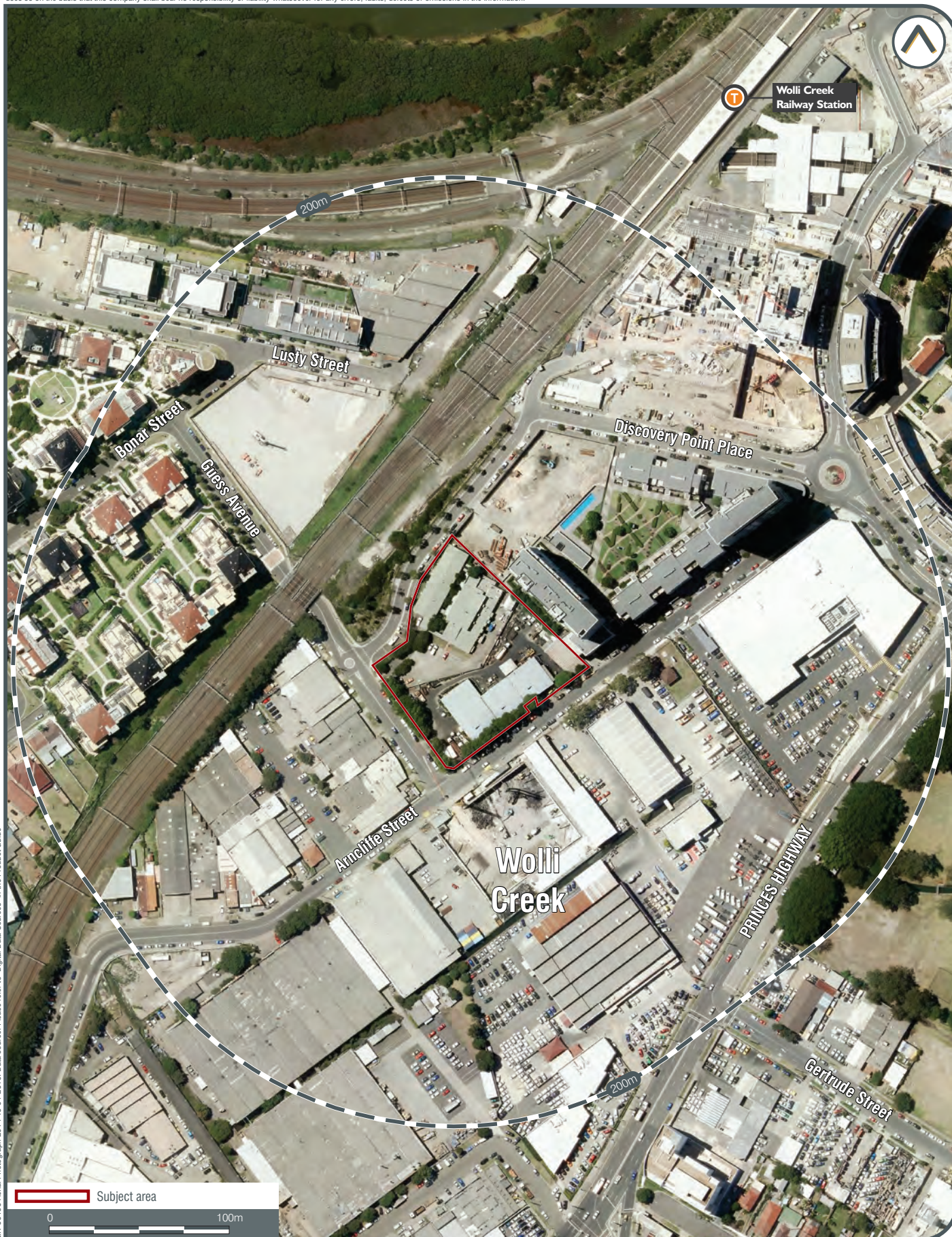
LUR-00496 Aerial Photograph 2010.15.01.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2010



MAP 23





LUR-00496 Aerial Photograph 2014.15.01.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2014



MAP 24





LUR-00496 Aerial Photograph 2014, 15.01.2019. Data source: Please refer to 'Digital Data Sources' in the Product Guide

HISTORIC AERIAL PHOTOGRAPH - 2016



MAP 25



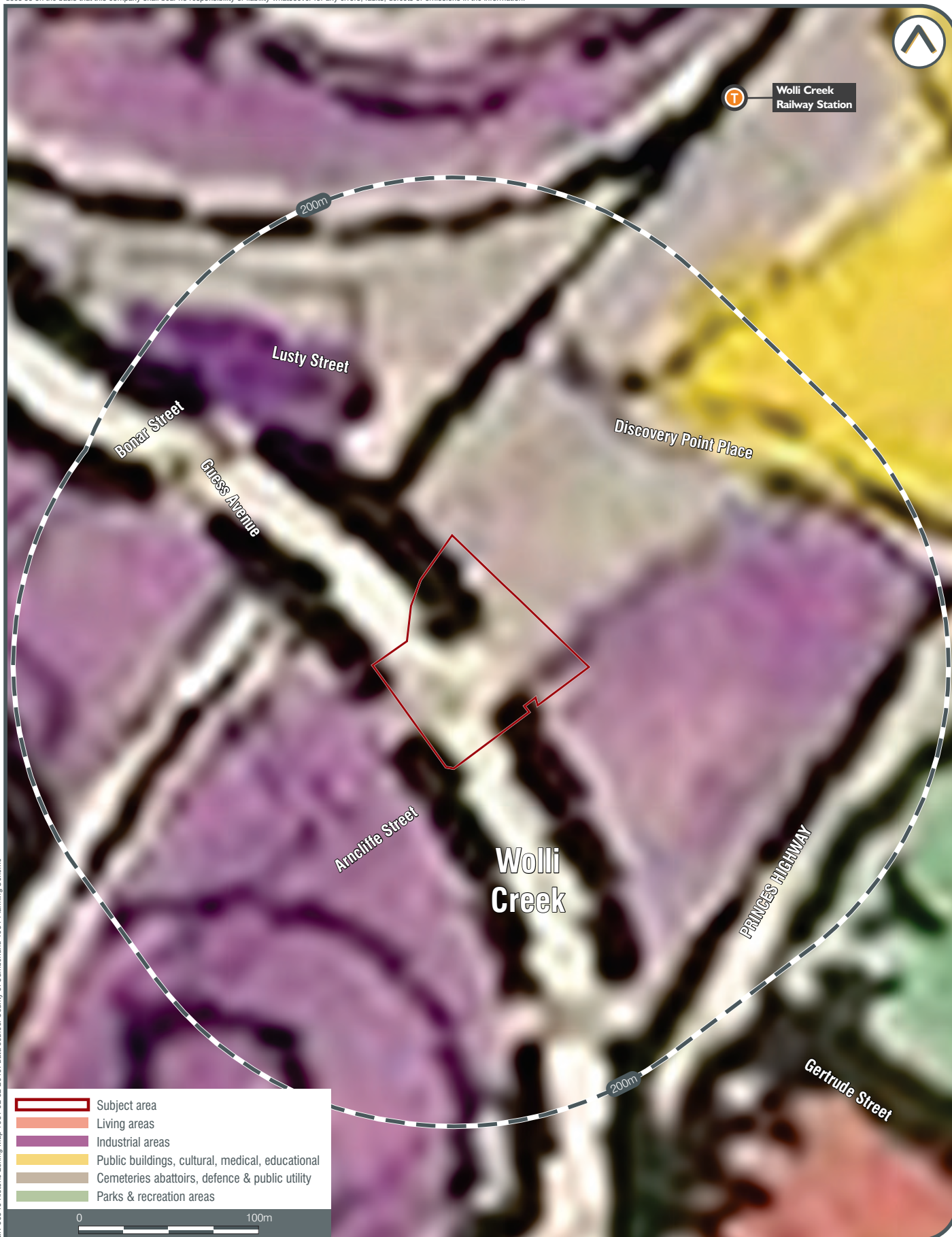


HISTORIC AERIAL PHOTOGRAPH - 2018



MAP 25





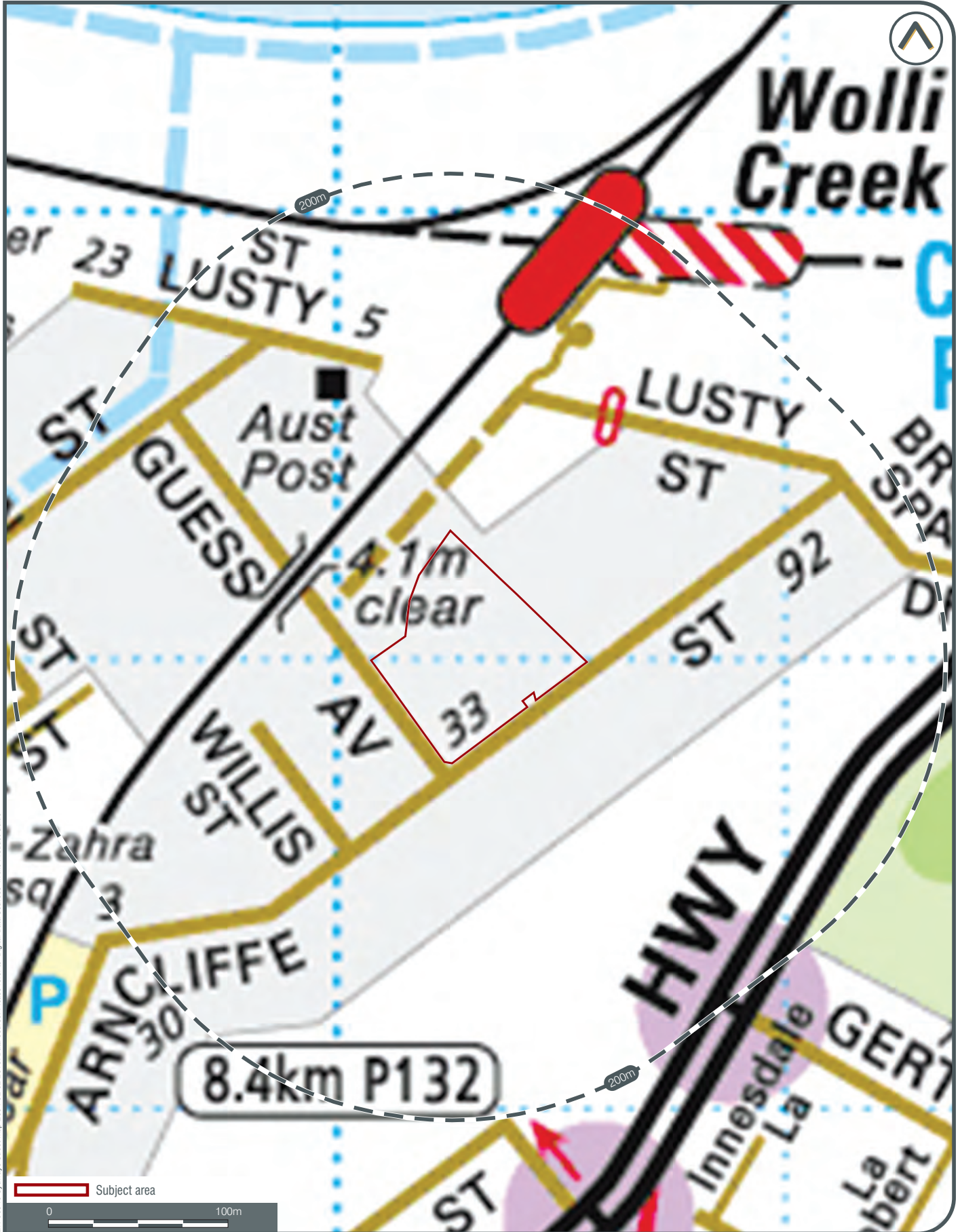
LUR-00549 Historic Zoning Map 1951 02 02 2019. Data source: County of Cumberland 1951 Planning Scheme

HISTORIC ZONING MAP - 1951



MAP 27





SYDWAYS STREET MAP - 2004



PRODUCT GUIDE



About this Report

Your Report has been produced by Land Insight and Resources (LI Resources).

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Contaminated Land Record of Notices, Sites Notified as Contaminated to the NSW EPA, Former Gasworks and PFAS investigation program - © State of NSW Environment Protection Authority

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Derelict Mines and Quarries - © State of New South Wales through NSW Department of Industry

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NPI © Commonwealth of Australia licenced under Creative Commons CC-BY (<https://creativecommons.org/licenses/by/4.0/deed.en>). The data includes facilities from 1998 to 2016.

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Other Data – if applicable

Cattle Dip Site Locator Northern Rivers Region - © State of New South Wales through NSW Department of Industry

Legacy Landfills – LI Resources proprietary dataset. Dataset contains the Sydney northern beaches area

Parramatta River Catchment Land Use Areas - Compiled by LIR, derived from Parramatta River Estuary Processes Study (2010)

Naturally Occurring Asbestos - © State of New South Wales and Department of Planning and Environment licenced under Creative Commons CC-BY (<https://creativecommons.org/licenses/by/4.0/deed.en>)

Historic Aerial Photography - © State of New South Wales, Department of Finance, Services & Innovation licenced under Creative Commons CC-BY (<https://creativecommons.org/licenses/by/4.0/deed.en>)

Historical Commercial & Trade Directory Data –

Sydney

1932-1933 John Sands Sydney Trades Directory – Copyright Expired

1940 & 1950 Commonwealth of Australia Telephone Directory Sydney – Copyright Expired

1960-1961 Telecom Australia Pink Pages Sydney – Permission for use Sensis 2017

1970-1971 United Business Directories Sydney – Licenced under Hardie Grant 2017.

1974-1975 NSW Post Office Yellow Pages Sydney Buying Guide and Commercial/Industrial Directories – Permission for use Sensis 2017

1980-1981 & 1990-1991 Telecom Australia Yellow Pages Sydney – Permission for use Sensis 2017

Regional NSW

1981 & 1991 Telecom Australia Yellow Pages Country NSW Directories – Permission for use Sensis 2017

While every effort is made to ensure the details in your Report are correct, LI Resources cannot guarantee the accuracy or completeness of the information or data provided or obtained from the data sources.

For more detailed information regarding data source and update frequency, please contact LI Resources at info@liresources.com.au

Glossary

AVIATION RESCUE FIRE FIGHTING FACILITIES (ARFF); LIQUID FUEL & AVIATION FUEL DEPOTS/TERMINALS; POWER STATIONS; TELEPHONE EXCHANGES & WASTEWATER TREATMENT FACILITIES

These facilities may be associated with the use, storage, treatment and disposal of a range of chemicals and products such as PFAS (Per- and poly-fluoroalkyl substances), solvents, petroleum products, asbestos, PCBs (polychlorinated biphenyls) and others.

BUSHFIRE PRONE LAND

This data may assist environmental consultants, developers and others understand whether any bushfire risk is present in the area that may require specific management and/or restrict site investigations and development works.

COAL SEAM GAS, PETROLEUM WELLS AND BOREHOLES

This data may assist environmental consultants during investigations as to previous resource exploration with an area, resources present (i.e. coal, gas and petroleum), lithological data and potential for environmental contamination.

DEPARTMENT OF DEFENCE UNEXPLODED ORDNANCE (UXO) SITES

UXO is any sort of military ammunition or explosive ordnance which has failed to function as intended. It includes a range of ammunition used by the Navy, Army and Air Force; and many other types of ammunition and explosives including training munitions. UXO contamination has arisen mainly as a result of military training activities, since European settlement. In the past large numbers of ranges and training areas were approved for use in many areas of Australia. As a result, there are now a number of sites around Australia which are affected by UXO. For more information see www.defence.gov.au/UXO

DERELICT MINES AND QUARRIES

Outstanding legacy issues surrounding derelict mines and quarries have the potential to cause safety and environmental impacts and may also be an indicator of the presence of unregulated landfill.

DRY CLEANERS (CURRENT)

Dry cleaners often use or have used hazardous and flammable chemicals in their operations. Incorrect storage and disposal of these chemicals may result in fire/explosion risks or contamination of soil and groundwater or result in human health risks.

GROUNDWATER EXCLUSION ZONES

Groundwater exclusion zones are present in certain areas where aquifers are known to be contaminated or where past activities may have affected groundwater quality. Restrictions on the use of groundwater in those areas are in place and differ between the various management/exclusion zones.

HERITAGE – FEDERAL, STATE AND LOCAL

This data may assist environmental consultants, developers and others understand whether any heritage items are present on the site that may require specific management and/or restrict site investigations and development works.

HISTORICAL COMMERCIAL & TRADE DIRECTORY DATABASE (1932, 1940, 1950, 1960, 1970; 1974, 1980 and 1990)

An LI Resources proprietary database of historical potentially contaminating activities previously listed as having been undertaken on the property or surrounding area. Activities have been catalogued based on 'low to high risk activities' either known to cause potential contamination risk (based on Managing Land Contamination Planning Guidelines, SEPP 55 remediation of land, 1998) or to assist in guidance for sampling and remediation programs by environmental consultants.

HISTORICAL (LEGACY) LANDFILLS

An LI Resources proprietary dataset containing the location of former legacy landfills. Legacy landfills are widely present across the country, with many locations unknown. Most of these landfills were created prior to current environmental guidelines (i.e. remain unlined and uncapped) resulting in the potential for leaching of hazardous substances into waterways, production of odours, migration of landfill gas and stability issues.

HYDROGEOLOGY

This data includes information for environmental consultants on aquifer properties, the presence of wetlands and groundwater monitoring bores. This information can assist in the understanding of contaminant pathways and receptors.

Groundwater monitoring bores are primarily needed to assess changes to water table levels, groundwater quality and to assess groundwater flow direction. Impacts on groundwater result from contaminated water movement, leaching of surface pollutants caused by rainfall or irrigation water percolation, leakage of stored matter or the disposal of wastes. The presence of a monitoring bore may indicate that a site has been or is being investigated.

LICENSING UNDER THE POEO ACT 1997

The POEO public register includes a range of specified information on environment protection licences issued under the POEO Act to regulate air, noise, water and waste pollution and impacts. The licences and notices provide information on the type of industrial activities undertaken in an area and if any clean-up and preventative action notices have been issued under that licence.

MILITARY FACILITIES

Military practices at certain facilities may cause potential contamination through the use of chemicals ranging from cleaning solvents and paints to ammunition, explosives and firefighting foam. These chemicals can cause human and ecological health risks.

NATURALLY OCCURRING ASBESTOS

Asbestos is found as a naturally occurring mineral in many areas of regional NSW and may occur in veins within rock formations. Naturally occurring asbestos is generally found when building roads, working on construction sites and undertaking excavation activities. This data provides information on the areas identified with a low to high probability of naturally occurring.

NPI INDUSTRIAL FACILITIES

Industrial facilities that trigger a defined threshold(s) for the emission of pollutants identified in the National Pollution Inventory (NPI), must estimate and report their emissions. The pollutants identified under the NPI are those that are known to have possible effects on human health and the environment.

NSW EPA CONTAMINATED LAND RECORD OF NOTICES ISSUED UNDER THE CLM Act 1997

The EPA is required by law to maintain a record of notices relating to contaminated land, including notices declaring land to be 'Significantly Contaminated Land' under the Contaminated Land Management Act 1997. The EPA record of notices provides information on all sites that have been declared significantly contaminated.

NSW EPA FORMER GASWORKS SITES

Former gasworks often leave a legacy of soil and groundwater contamination. The major contaminants in these instances include tars, oils, hydrocarbon sludges, spent oxide wastes, ash and ammoniacal recovery wastes. Some of these contaminants are carcinogenic to humans and toxic to aquatic ecosystems and therefore may pose a risk to human health and the environment.

NSW EPA FORMER URANIUM PROCESSING SITE AT HUNTERS HILL

In 2008 a Parliamentary Inquiry held into the former uranium processing site at Hunters Hill, Sydney, found radiation levels were too low to require site remediation. During the investigation it became evident that there were two separate causes of gamma radiation in the vicinity of Nelson Parade (7-9 Nelson Parade – former uranium processing plant and Kelly's Bush – former tin smelter). The investigations found that levels of radiation on properties surrounding 7-9 Nelson Parade, at Kelly's Bush and in nearby areas of Hunters Hill were below relevant national and international guidelines for the protection of health and therefore remediation was not warranted. Further information can be found at www.epa.nsw.gov.au

NSW EPA JAMES HARDIE ASBESTOS WASTE CONTAMINATION LEGACY

During the 1960s and 70s, bulk asbestos waste associated with manufacturing and waste disposal by the former James Hardie Industries was delivered as fill to areas targeted because of their low-lying geography. Between December 2007 and February 2008, the Department of Environment Climate Change and Water conducted site inspections of those disposal sites. None of the inspected sites were found to be a significant risk to human health or the environment, provided the sites remained sealed or undisturbed. Further information can be found at www.epa.nsw.gov.au

NSW EPA SITES NOTIFIED AS CONTAMINATED TO THE NSW EPA

The EPA maintains a record of all sites notified to it by owners or occupiers of sites believed to be significantly contaminated.

NSW EPA PFAS INVESTIGATION PROGRAM

The NSW EPA is investigating particular sites to better understand the extent of PFAS use and contamination in NSW. PFAS are a group of chemicals that include perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA).

They have many specialty applications and are widely used in a range of products in Australia and internationally. PFAS are an emerging contaminant, which means that their ecological and/or human health effects are unclear. Further information can be found at www.epa.nsw.gov.au

OTHER POTENTIALLY CONTAMINATED SITES

An LI Resources proprietary database of recent potentially contaminating activities previously listed as having been undertaken on the property or surrounding area. Activities have been catalogued based on 'moderate to high risk activities' either known to cause potential contamination risk or to assist in guidance for sampling and remediation programs by environmental consultants. Please note this database is not exhaustive and may not list all activities in the area.

PARRAMATTA RIVER CATCHMENT LAND USE AREAS

An LI Resources proprietary dataset containing land use changes around the Parramatta River catchment area. Details include land reclamation areas, loss of foreshore and major land use changes (i.e. industrial to residential land). These changes may indicate presence of unregulated landfill and potential contamination associated with former industrial land use.

PUBLIC REGISTER OF PROPERTIES AFFECTED BY LOOSE-FILL ASBESTOS INSULATION

The NSW Government is required to maintain a register of residential properties that contain loose-fill asbestos insulation. This assists members of the wider community to be informed about any risks associated with a specific property and to take any appropriate safety measures. For more information see www.fairtrading.nsw.gov.au

SENSITIVE RECEPTORS

This data may assist environmental consultants during investigations as to the location and proximity of any sensitive receptors in the area, such as aged care, child care, community and religious facilities; sports grounds; national and state parks etc.

STATE ENVIRONMENTAL PLANNING POLICY 14, 26 AND 71

SEPP 14 (COASTAL WETLANDS), 26 (LITTORAL RAINFORESTS) AND 71 (COASTAL PROTECTION)

The proximity of SEPP 14, 26 and 71 protection zones may limit certain development and remediation works.

SOIL LANDSCAPE AND GEOLOGY

This data may assist environmental consultants during investigations as to the physical site properties that could govern potential contaminant retention or migration.

SERVICE STATIONS (CURRENT)

Service stations may contain leaking tanks which can result in petroleum products migrating into, and contaminating, the soil or groundwater or other pathways to human and biological contact.

UNDERGROUND PETROLEUM STORAGE SYSTEMS (UPSS) ENVIRONMENTALLY SENSITIVE ZONES

UPSS environmentally sensitive zones represent a conservative assessment of areas likely to be vulnerable to contamination from leaking UPSS. This information can assist environmental consultants on the risk a UPSS site poses to a recognised environmentally sensitive receptor.

WASTE MANAGEMENT FACILITIES

A waste facility is a premises used for the storage, treatment, processing, sorting or disposal of waste. These include landfills, waste transfer stations and waste reprocessing facilities. Waste facilities emit regulated substances to air and water, such as methane gas, and can produce odours, dust and noise.

Terms and Conditions

Terms and Conditions

1. Land Insight and Resources (LI Resources) will perform the Services in accordance with these terms and conditions
2. By submitting the Application Form, the User acknowledges that it has read and understood these terms and conditions and agrees to be bound by them.
3. LI Resources reserves the right to change these terms and conditions. Any change shall be effective upon notice, which may be given by LI Resources posting such change on the Website, or by direct communication with the User.

Services

4. LI Resources agrees to undertake the Services using due skill, care and diligence.
5. The User assumes the sole risk of making use of, and/or relying on, the Report and the Services. LI Resources makes no representations about the suitability, completeness, timeliness, reliability, legality, or accuracy of the Services.
6. Unless LI Resources agrees expressly otherwise:
 - (A) The Services are solely for the use and benefit of the User; and
 - (B) LI Resources does not accept any liability, whether directly or indirectly, for any liability or loss suffered or incurred by any third party placing any reliance on the performance of the Services or any Documents or material arising from or in connection with the Services.
7. The User warrants to LI Resources that it will not use the Services for any purpose that is unlawful or is otherwise inconsistent with these terms and conditions.
8. The User will not alter in any way or provide a copy of the Report or any Document prepared by LI Resources to any other person without LI Resources's prior written consent.

Payment Terms

9. The Fee will be payable at the time of submitting the Application Form unless invoicing payment terms have been negotiated prior to purchase with LI Resources.
10. The User and LI Resources may agree in writing to vary the Services. The fee for each variation shall be agreed between LI Resources and the User.
11. The User agrees to pay LI Resources the Fee, including the fee for any variation requested in accordance with clause 12.
12. If the User's rights are terminated and the User has made an advance payment, LI Resources will refund the User a reasonable proportion of the balance as determined by LI Resources in relation to the value of Services already provided.
13. GST at the prevailing rate is payable in addition to the Fee. The User agrees to pay any other applicable taxes, duties or government imposed fees related to the User's use of the Services.

Intellectual Property

14. LI Resources owns all intellectual property in the Report and arising from or in connection with the Services.
15. LI Resources grants the User a royalty free licence to use LI Resources's intellectual property for that User's personal assessment of its Property(s) only.

Privacy Policy

16. Upon submitting the Application Form the User consents to LI Resources's use of the personal data provided by the User for the purposes of providing the Services.
17. The Reliance on the Report, the use of the Services and the use of LI Resources's Website is at the User's own risk. The User accepts that LI Resources does not guarantee the confidentiality of any communication or information transmitted through the use of the Website.
18. LI Resources will not provide to any third party any personal data provided by a User without the User's permission.
19. The User acknowledges that any feedback provided to LI Resources over the Website is not confidential and that LI Resources has the right to publish, reproduce, disseminate, transmit, distribute and copy (in whole or in part) any such feedback without the approval of the User.
20. LI Resources assumes no responsibility or liability for any content, communications or feedback submitted by a User over the Website. If a User has submitted objectionable content, communications or Feedback, LI Resources may, in its sole discretion, terminate that User's account, take legal action, or notify the appropriate authorities or parties, without prior notice.

Third Party Services

21. The User accepts that, although the Website may contain or provide information regarding applications, products and/or services provided or offered by third parties, LI Resources does not recommend or endorse any such third party applications, products and/or services.
22. The report contains content provided to LI Resources by other parties (Third Party Content). LI Resources is not responsible for, does not endorse and makes no representations either expressly or impliedly concerning the accuracy or completeness of any Third Party Content. You rely on the Third Party Content completely at your own risk.

Limit and Extent of Liability

23. LI Resources's liability is limited to the amount of the Fee. Liability arising in the provision of the Services is reduced to the extent that it arises out of or in connection with any negligent act or omission by the User.
24. Neither party is liable to the other for loss of actual or anticipated revenue or profits, increased capital or financing costs, increased operational or borrowing costs, pure economic loss, exemplary or punitive damages or indirect or consequential damages or loss.
25. In no event shall LI Resources or any directors, officers, employees or agents be liable for any indirect, punitive, incidental, special, or consequential damages arising out of or in any way connected with the use of the Website, any delay or inability to use the Website, any information available on the Website, or otherwise arising out of the utilisation of the Website, whether based in contract, tort, strict liability, or otherwise, even if LI Resources has been advised of the possibility of such damages. The negation of damages set forth herein is a fundamental element of the basis of the bargain between LI Resources and the User. The Services would not be provided without such limitations.

Property Verification

26. The User accepts that the Services provided do not take into account any information relating to the actual state or condition of the Property.
27. The User acknowledges that the Services are not to be interpreted as commenting on the physical characteristics or condition of the Property, any particular purpose or use of that Property or the saleability or value of the Property.

Termination and Modification

28. LI Resources reserves the right in its sole discretion to terminate, block or restrict the User's use of the Services or any portion thereof, for any reason, and without notice. In addition, LI Resources reserves the right in its sole discretion to terminate or modify any part of the Website without notice, for any reason.

Anti-Hacking

29. The User agrees not to directly or indirectly, attempt to or disrupt, impair, interfere with, alter or modify the Website or any of its content.
30. The User agrees not to allow, aid or abet third parties to directly or indirectly, attempt to or disrupt, impair, interfere with, alter or modify the Website or any of its content, or obtain access to any information regarding any User or any other Report issued to a User.

Complaints

31. Any complaints in relation to the Services should, in the first instance, be in writing and addressed to LI Resources Customer Service at: info@liresources.com.au. LI Resources will respond to any such complaints in writing as soon as practicably possible.

General Matters

32. These terms and conditions are governed by and will be construed and enforced in accordance with the laws of the State of New South Wales, Australia. If any dispute, controversy or claim arises out of or relating to these terms and conditions, whether sounding in contract, tort or otherwise, it shall be resolved by use of an alternative dispute resolution procedure acceptable to both parties with the assistance of a mediator. If the dispute has not been resolved to the satisfaction of either party within 60 days of initiation of the procedure or if either party fails or refuses to participate in or withdraws from participating in the procedure, then either party may refer the dispute to the court.
33. These terms and conditions apply to all Services provided by LI Resources.
34. If there is any inconsistency between these terms and conditions and any other document or agreement between the parties, these terms and conditions will prevail.
35. These terms and conditions represent the entire agreement between the parties.
36. The User authorises LI Resources to destroy Documents which LI Resources has prepared or holds in connection with the Services 7 years after the last date on which the Services were provided.
37. If any of the terms of the Application Form or the terms and conditions are invalid, unenforceable or void, the relevant term must be read down to the maximum extent possible or severed from the rest of the Application Form or these terms and conditions.

-
38. These terms and conditions can only be amended or varied by a written document signed by both parties.
39. Neither party may assign or transfer any rights or obligations arising in the provision of the Services or these terms and conditions without the other party's written consent.

Defined Terms

Application Form	Means the form and accompanying information provided on the Website, completed and submitted by the User to request the Services.
Document	Includes a report, and any other written or electronic document.
Fee	Means the amount set out in the Application Form or confirmed via an invoice.
Property	Means the property to which the Services and the Report relate.
Report	Means the Document prepared by LI Resources and provided to the User which contains the environmental and development data which is relevant to the Property.
Services	Means the review of data and information on which the Report is based, and the preparation and provision to the User of the Report.
Website	Means LI Resources's online site, that is: www.liresources.com.au
User	Means the person(s) set out in the Application Form including that person's permitted successors.





A 4307/4 Daydream Street, Warriewood NSW 2102
T 02 9979 1720
E info@liresources.com.au
W www.liresources.com.au

County : CUMBERLAND



1511 (L) FP979445.
ARNcliffe SUBDIVISION, CLOSE TO ARNcliffe STATION.
21 ALLOTMENTS to be Sold by Auction on the Ground.
 Charting Map from 1874
 1511 (L) FP979445

**On SATURDAY, 21st Feb., 1885,
at 3.30 precisely**

So Sold by Auction on the Ground.

FR 979445

TO SYDNEY

ILLAWARRA RAILWAY LINE.

LIBERAL DISCOUNT FOR CASH!

EASY TERMS:
ONLY £5 DEPOSIT

Balance by easy payments extending over	
two years.	2

Interest at rate of 6 per cent.
per annum.

FRED W. PARSONS,
PIONEER AND LAND AGENT,
80a PITT STREET, SYDNEY.

A. W. STEPHENS
Licensed Surveyor,
50 CASTLEREAGH STREET.

Ph St George
C^o Clland

AMENDMENTS AND/OR ADDITIONS NOTED ON
PLAN IN REGISTRAR GENERAL'S OFFICE

I, Bruce Richard Davies, Under Secretary for Lands and Registrar General for New South Wales, certify that this negative is a photograph made as a permanent record of a document in my custody this day.

10th July, 1984

A vertical scale bar with the text "ONE INCH" at the top and "SCALE" in the middle. The scale has markings from 0 to 12, with major ticks every 1 unit and minor ticks every 0.2 units. The numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 are printed along the right side of the bar.

Plan Drawing only to appear in this space		OFFICE USE ONLY	
<div>SIGNATURES, SEALS AND STATEMENTS of Inspection to describe fully, details of or items could prevent drainage easement, restrictions on the use of land or public interests.</div> <div>6 OF EASEMENT 1 17°0' 09" 30" 10-96 2 177° 59' 10" 15-75 3 241° 16' 50" 21-99 4 142° 19' 20" 6-94 5 152° 41' 50" 17-98 6 190° 11' 50" 27-95</div> <div>101 D.P. 761665</div> <div>WATER ADMINISTRATION MINISTERIAL CORPORATION</div> <div>JAMES JOHN DIVER DELEGATE 28.3.91</div> <div>Crown Lands Office Approval</div> <div>PLAN APPROVED Authorised Officer Land District Field Book</div> <div>Council Clerk's Certificate</div> <div>I hereby certify that - (a) the requirements of the Land Government Act, 1919 (other than the requirements for the registration of plans, and (b) the requirements of Part 4 Chapter 3 of the Water Board Act 1907 and Water Supply Authorities Act 1907 have been complied with by the applicant in relation to the proposed Subdivision. Subdivision No. 17/90 Date 5-3-91 (Signature) Council File No. 923 This part of certificate to be delivered with the application to act as a condition of sale of the property of a rate owner where the land is to be used for residential purposes and the property is situated in the Water Board and Council Areas and the Water Board and Council Areas.</div> <div>SURVEYORS REFERENCE S.W.M. NORTHROP 91/1 DATE 002267N</div> <div>MPD</div> <div>102 3577 m² 101 4196 m² ARNCIFFE STREET GUESS AVE. D.P. 619551 D.P. 69274 D.P. 69277 EASEMENT TO DRAIN WATER 1/2 WIDE OVER GUESSA PARK</div> <div>DP 808944</div> <div>Replotment: DT94-1991</div> <div>CA: 1710 of 5-1-91</div> <div>Title System: TORRENS</div> <div>Purpose: SUBDIVISION</div> <div>Ref. Map: U0947-22</div> <div>Last Plan: DP 692477</div> <div>PLAN OF SUBDIVISION OF LOT 1 D.P. 692477</div> <div>Lengths are in metres. Reduction Ratio 1:1000</div> <div>Min./Max. City: ROCKDALE</div> <div>Locality: ARNCIFFE</div> <div>Parish: ST. GEORGE</div> <div>County: CUMBERLAND</div> <div>This is sheet 1 of 1 copies in sheets if applicable sheets</div> <div>(DAVID WILLIAM MOYLE NORTHROP or DEPT. OF WATER RESOURCES a person registered under the Surveyors Act, 1928, as amended hereby certifies that the survey represented in this plan conforms and has been made in accordance with the Surveyors Regulation, 1932 and was done in compliance of the Department of Lands, and was made on 18-3-1991)</div> <div>Surveyor D. W. Moyle Northrop</div> <div>Survey registered under Statute No. 1928 as amended (Survey Act of 1928)</div> <div>Place used in preparation of survey/completion</div> <div>PLAN FOR USE ONLY for statements of extension to dedicate public roads or to create public reserves, drainage easements, easements, restrictions on the use of land or public covenants</div> <div>IT IS INTENDED TO 1. TO QUANTIFY 1. CREATE EASEMENT OVER EXISTING PIPES UNDER SEC. 80, DD, CONVEYANCING ACT, 1919</div> <div>2. DEDICATE AS PUBLIC ROAD PLAYAT AT INTERSECTION GUESSA AVE & ARNCIFFE ST.</div> <div>THIS NEGATIVE IS A PHOTOGRAPH MADE AS A PERMANENT RECORD OF A DOCUMENT IN THE CUSTODY OF THE REGISTRAR GENERAL THIS DAY. 4TH APRIL, 1991</div> <div>TRAQ CAT'D. 38/1423</div>			

R/A 57085

CROWN INSTRUMENT

NOT LIABLE TO PAYMENT OF REGISTRATION FEES

SECRETARY
PER

NEW SOUTH WALES

PRIMARY APPLICATION

SECTION 14, REAL PROPERTY ACT, 1900

CAUTION:—Severe penalties are provided by the Crimes Act, 1900, and the Real Property Act, 1900, for procuring a certificate of title through fraud.

WATER RESOURCES COMMISSION

herein referred to as the APPLICANT

hereby applies to have the undermentioned land brought under the provisions of the Real Property Act, 1900

All that piece of land situated at Arncliffe in the County of Cumberland 632477 Parish of St. George being lots 1 and 2 in Deposited Plan 627624 being part of portion 244 being the whole of the land comprised in Conveyance Registered No. 895 Book 2799

and being the whole of 50 acres granted to William Parker by Crown grant dated the first day of January 1910

and requests that the certificate of title issue in the name of

the applicant

and in support of this application I/we the Water Resources Commission

solemnly and sincerely declare that—

1. The applicant is seized for an estate in fee simple of the abovedescribed land.
2. There is no person in possession or occupation of the said land or any part thereof adversely to the estate or interest therein of the applicant.
3. The said land is now occupied by the persons specified in the First Schedule as occupiers. in respect of Lot 2 in D.P. 627624 unoccupied in respect of Lot 1 in D.P. 627624
4. There does not exist any lease or agreement for lease of the said land for any term exceeding a tenancy for one year, or from year to year, except as set out in the First Schedule.
5. There does not exist any right of way, right of drainage or other easement or any restrictive covenant affecting the said land, except as disclosed in the First Schedule.
6. There does not exist any mortgage, lien, writ of execution, order, charge, encumbrance, will, settlement, deed, writing, contract, or dealing giving any right, claim or interest in the said land, or any part thereof, to any person other than the applicant except as set out in the First Schedule; nor, to the best of my knowledge and belief, is there any action, proceeding or suit pending which affects or could affect the said land, or any person other than the applicant who has or claims any estate, right, title or interest therein, except as disclosed in the First Schedule.
7. There is no resumption or instrument whereby minerals or substrata have been excepted or reserved to any person, except as disclosed in the First Schedule.
8. The Second Schedule contains a full and correct list of

Cert. of T., issued Vol. 15093 Fol. 175-176
Dated 24-7-1933

of all settlements, deeds, documents, instruments, maps, plans and papers relating to the said land so far as I have any means of ascertaining them. All such documents as are in my possession or under my control are lodged herewith; the whereabouts of all other documents listed, so far as is known to me, is stated in such list.

9. The applicant has not become bankrupt or assigned his estate for the benefit of creditors.

Typewriting and hand-writing should be clear, legible and in permanent black non-copying ink. No alterations should be made by erasure; the words rejected must be ruled through and verified by signature or initials in the margin.

(a) Full name and address of person or corporation entitled to the land.
If a person is entitled, the occupation should also be stated.

(b) Give an adequate description of the land, e.g. "Lot in Deposited Plan". If an apartment or tenement is claimed, the deed creating it should be disclosed and an adequate description of its location should be given; its location should also be shown on the plan. The application should be accompanied by a plan of survey unless the Registrar General has previously dispensed therewith. A plan is not necessary where the application relates to land in a qualified certificate of title; in such case it will be sufficient to describe the land by reference to the volume and folio number of the qualified certificate of title.

(c) Delete whichever is inapplicable.

(d) Insert reference to portion or allotment, or if none, to number of acres granted.

(e) Name of grantee.

(f) If the certificate of title is required to issue in favour of the applicant, insert the applicant's name. If the applicant is a person or corporation, insert the full name of the person or corporation. In which name the certificate of title is to issue. In the case of a person, the full address and occupation should also be stated.

If more than one name is stated, state whether as joint tenants or tenants in common, and if as tenants in common, the shares in which they take.

(g) Full name, address and occupation of declarant.

(h) If a lesser name, state accordingly.

(i) Delete whichever is inapplicable.

(j) Should any transaction affecting the land in this application be entered into or any alterations in the building or fences be made subsequent to the date of the application, but prior to the issue of the certificate of title, the Registrar General should be informed immediately, and all documents evidencing such transaction should be lodged.

(k) The declaration may be qualified, e.g. by inserting the words "commencing with conveyance dated registered Book No. ..." or as the case may be. See also note on back page hereof.

10. The information shown in the Schedules hereto is to be taken as part of this declaration.

11. I have been authorised by power of attorney dated the _____ day of _____ 19____
to make this application on behalf of the applicant, and I have received no notice of revocation of such authority.⁽⁹⁾

I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths Act, 1900,⁽¹⁰⁾ and certify this application to be correct for the purposes of the Real Property Act, 1900,⁽¹¹⁾ and I hereby undertake to notify the Registrar General promptly of any further interest in the said land created after the making of this my declaration and before issue of the certificate of title.

(9) Delete this clause if inapplicable.
The relevant power of attorney or other such authority should be lodged with the application.
(10) If made outside N.S.W., strike out Oaths Act, 1900 and insert reference to local Act.
(11) Any person falsely or negligently certifying is liable to the penalties provided by section 117 of the Real Property Act, 1900.

DATE 5th November 1982

The OFFICIAL SEAL of the
WATER RESOURCES COMMISSION

Signature of witness
was affixed hereto

Name of witness (BLOCK LETTERS)

Qualification of witness



Applicant or authorised agent of applicant⁽¹²⁾
Secretary (authorised person)

(12) This application is a statutory declaration and must be made before a prescribed functionary. Attention is drawn to the penalties provided by law for any false statement therein.

CONSENT OF MORTGAGEE

_____ being the mortgagee
under mortgage registered Book _____ Number _____, hereby joins in and consents to this application subject to:—

- (i) entry on the folio of the register to be created and on the certificate of title to issue of a notification relating to such mortgage,⁽¹³⁾
AND
(ii) delivery to me of the certificate of title.

(13) See section 29A of the Real Property Act, 1900. If deleted, this clause may be deleted and the words "registration of a mortgage under the Real Property Act, 1900, in substitution for such mortgage" inserted in lieu.

Witness

Mortgagee

FIRST SCHEDULE

PARTICULARS OF SUBSISTING INTERESTS (LEASES, EASEMENTS, MORTGAGES AND OTHER MATTERS REFERRED TO IN CLAUSES 3 TO 7 INCLUSIVE OF DECLARATION)

Full name and address (of occupier, lessee, mortgagee, etc.)	Nature of entitlement ("occupier", "lessee", "mortgagee", etc.)	Particulars of instrument (if any) by which entitlement created ⁽¹⁴⁾
The Sydney County Council 570 George Street Sydney	Lease of Lot 2 in D.P. 627624	Lease to be formalised on issue of Certificate of Title

(14) Where the whole or any part of the land is occupied by a tenant state also the nature and duration of the tenancy.

SECOND SCHEDULE

(See notes on back page hereof)

DOCUMENTS REFERRED TO IN CLAUSE 8 OF DECLARATION

To be completed by declarant

Documents Nos.	3 and 4	hereunder LODGED HEREWITH
Documents Nos.		hereunder WHEREABOUTS UNKNOWN
Documents Nos.		hereunder PERMANENTLY LODGED
Receipt Nos.		
Documents Nos.	1 and 2 and 5 and 6	hereunder TO BE LODGED BY: State Rail Authority of New South Wales

DOCUMENTS TO BE LODGED -
APPROVED PRELIMINARY RECEIPT

No.	Date	Nature of document	Parties	Registration		FOR OFFICE USE ONLY By whom produced
				Book	No.	
1	18/8/1913	Conveyance	John George Taggart to Chief Commissioner for Railways and Tramways	1006	645	
2	27/8/1913	Statutory Declaration	by William James Dickson			
3	30/7/1966	Conveyance	The Commissioner for Government Transport to The Water Conservation and Irrigation Commission	2799	895	
4		Search papers				
5	5/8/1913	Conveyance	John George Taggart to Chief Commissioner for Railways and Tramways	1005	85	
6	3/12/1913	Conveyance	John George Taggart to Chief Commissioner for Railways and Tramways	1015	841	
Cancelled Docs 3 & 4 Delivered to Water Resources Commission						

If space is insufficient, add annexure sheet(s)

DEPARTMENTAL USE ONLY	TO BE COMPLETED BY LODGING PARTY
PRIMARY APPLICATION 57085 lots 132 in DP 627624 632477	Lodged by WATER RESOURCES COMMISSION P.O. BOX 952 NORTH SYDNEY 2060. Delivery Box Number 890K.

NOTES

Documents to be scheduled

This application should be marked by the Commissioner of Stamp Duties before lodgment by hand at the Registrar General's Office. Where an applicant claims an estate in fee simple by virtue of a documentary title the Second Schedule should commence with a good root of title at least thirty years old or with a later deed which has already been accepted by the Registrar General in an earlier application. Clause 8 of the declaration should be suitably amended.

Where the applicant claims title by possession the devolution of the documentary title of the person(s) against whom possession is asserted should be shown in the Second Schedule.

Where the applicant claims the benefit of an appurtenant easement the Second Schedule should contain a reference to:

- * the deed by which the grantor of the easement acquired title to the servient tenement; and
- * the deed by which the easement was created.

The applicant will be required to establish (e.g., by production of searches) that (i) the grantor of the easement had a good title to the servient tenement; and (ii) the easement has not been determined by surrender, union of tenements or otherwise.

Documents to be lodged

Upon lodgment the application should be accompanied by:

- * all deeds and other documents evidencing the devolution of title from the abovementioned commencing point;
Deeds and other documents which relate to the period prior to the selected commencing point should not be scheduled in or lodged with this application but should be retained in case their subsequent production should be required.
- * any abstract(s) of title in the applicant's possession covering the relevant period; and
- * searches showing the result of searches in the general register of deeds, the register of causes, writs and orders, the register of resumptions and the bankruptcy registers.

Searches

The searches obtained when the applicant or a predecessor in title acquired the land in the application will suffice provided that they commence with a good root of title at least thirty years old or with a later deed already accepted by the Registrar General in an earlier application and, in either case, have been brought up to date or to a recent date. In the case of an application based on possession the searches should show not only the devolution of the documentary title (which in most cases will need to be traced from the Crown grant) but also the result of searches against the applicant and his predecessors in possession.

Applicants based upon possession

There is available upon request at the Title Conversion Branch a departmental circular containing directions for the guidance of applicants who claim title by possession.

Destruction of documents lodged with the application

Upon the issue of the certificate of title the Registrar General will as a general rule destroy those documents which exclusively affect the land in the application (and which accordingly will be totally cancelled pursuant to Section 23A (2), Real Property Act, 1900). However, documents which would otherwise be destroyed may be returned upon request to interested persons. The request (in writing) should specify the documents to be returned and should be made before the processing of the application has been completed.

NEW SOUTH WALES

First Title Old System

Prior Title P.A. 57085

CERTIFICATE OF TITLE

PROPERTY ACT, 1900



15083175

Vol. 15083 Fol. 175

28 7 1983



I certify that the person named in the First Schedule is the registered proprietor of an estate in fee simple (or such other estate or interest as is set out below) in the land described subject to the recordings appearing in the Second Schedule and to the provisions of the Real Property Act, 1900.

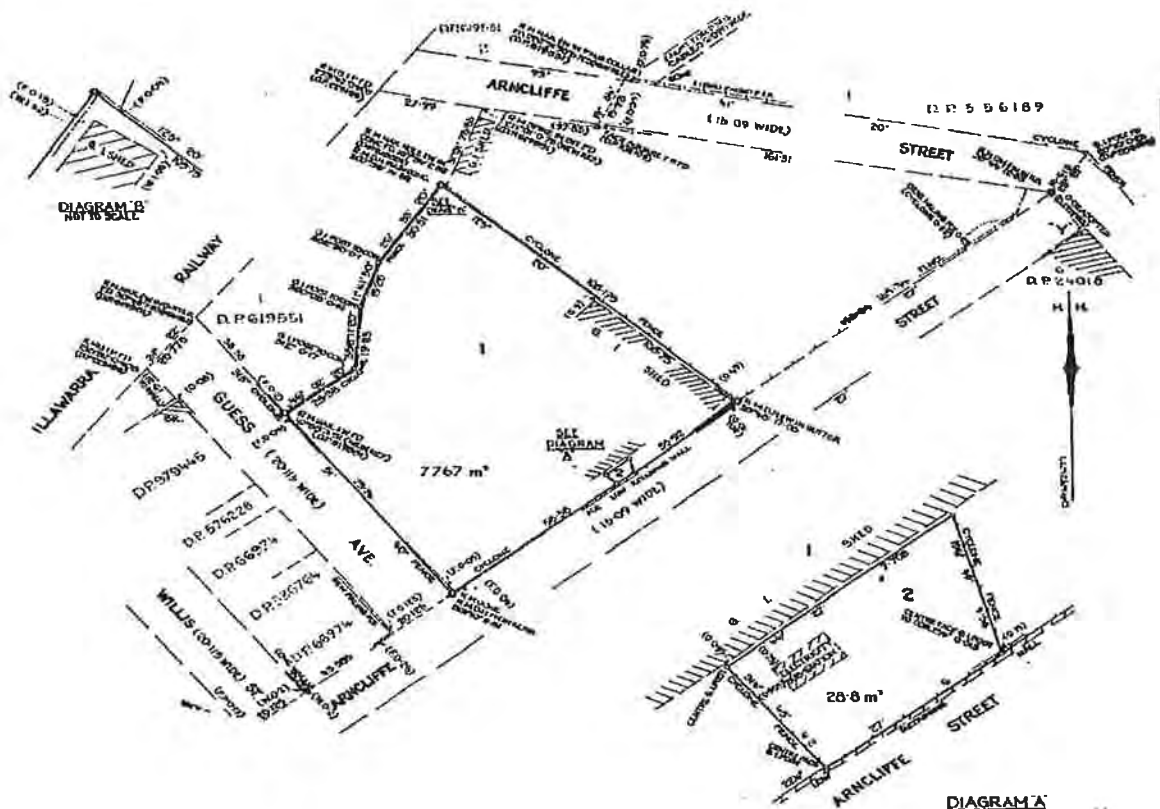
CANCELLED

Registrar General.



PLAN SHOWING LOCATION OF LAND SEE AUTO FOLIO

LENGTHS ARE IN METRES



LAND REFERRED TO

Lot 1 in Deposited Plan 632477 at Arncliffe in the Municipality of Rockdale Parish of St. George County of Cumberland.

FIRST SCHEDULE

WATER RESOURCES COMMISSION.

SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant.

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

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

15083 Fol. 175
(Page 1) Vol.

FIRST SCHEDULE (continued)
REGISTERED PROPRIETOR

Registrar General

CANCELLED
SEE AUTO FOLIO

SECOND SCHEDULE (continued)

PARTICULARS

Registrar General

CANCELLATION

NOTATIONS AND UNREGISTERED DEALINGS



LAND
REGISTRY
SERVICES

Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

29/1/2019 4:20PM

FOLIO: 1/632477

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

Prior Title(s): VOL 15083 FOL 175

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
22/9/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
4/4/1991	DP808944	DEPOSITED PLAN	FOLIO CANCELLED RESIDUE REMAINS

*** END OF SEARCH ***

erika

PRINTED ON 29/1/2019

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Received: 29/01/2019 16:19:54

Ref:wolli creek /Src:M
STAMP DUTY

OFFICE USE ONLY



42-00

Z
862879 L**TRANSFER**
REAL PROPERTY ACT, 1900

T

of

R

\$

DESCRIPTION
OF LAND
Note (a)

Torrens Title Reference

If Part Only, Delete Whole and Give Details

Location

FOLIO IDENTIFIER 101/808944

WHOLE

SITUATE AT ARNCLIFFE

TRANSFEROR
Note (b)

WATER ADMINISTRATION MINISTERIAL CORPORATION

ESTATE
Note (c)

(the abovenamed TRANSFEROR) hereby acknowledges receipt of the consideration of \$50,000.00 Six hundred & fifty thousand dollars and transfers an estate in fee simple in the land above described to the TRANSFEREE

TRANSFEREE
Note (d)ZINNIA HOLDINGS PTY. LIMITED, ACN.052211515 .
of 78 Arncliffe Street, Arncliffe.

OFFICE USE ONLY

TENANCY
Note (e)

as joint tenants/tenants in common

PRIOR
ENCUMBRANCES
Note (f)

subject to the following PRIOR ENCUMBRANCES 1.

2.

3.

DATE

7-8-91

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

EXECUTION
Note (g)

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

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address and occupation of Witness

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

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address and occupation of Witness

SIGNED BY ME *[Signature]*
AS DELEGATE OF THE WATER
ADMINISTRATION MINISTERIAL CORPORATION
AND I HEREBY CERTIFY THAT I HAVE
NO NOTICE OF THE REVOCATION OF SUCH
DELEGATION. *[Signature]*

Signature of Transferor

Note (g)

[Signature] (J. C. VOSNAKIS)....
Solicitor for the Transferees.TO BE COMPLETED
BY LODGING PARTY
Notes (h)
and (i)

LODGED BY

ANZ

CT

OTHER

LOCATION OF DOCUMENTS

Herewith.

In L.T.O. with

Produced by

Ref:

ZINNIA / CR-CD

Delivery Box Number

208

Checked

Passed

REGISTERED

-10

Secondary
Directions

Signed

Extra Fee

Delivery
Directions

21 AUG 1991

OFFICE USE ONLY



LAND
REGISTRY
SERVICES

Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

29/1/2019 4:19PM

FOLIO: 101/808944

First Title(s): OLD SYSTEM

Prior Title(s): 1/632477

Recorded	Number	Type of Instrument	C.T. Issue
4/4/1991	DP808944	DEPOSITED PLAN	FOLIO CREATED EDITION 1
21/8/1991	Z862879	TRANSFER	
21/8/1991	Z862880	MORTGAGE	EDITION 2
27/6/2003	9736367	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	
27/6/2003	9736368	CHANGE OF NAME	EDITION 3
22/7/2003	9810070	LEASE	EDITION 4
8/8/2007	AD323031	LEASE	EDITION 5
20/12/2012	AH453280	LEASE	EDITION 6
31/10/2017	AM843045	LEASE	EDITION 7 CORD ISSUED

*** END OF SEARCH ***

erika

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Received: 29/01/2019 16:19:12



LAND
REGISTRY
SERVICES

Title Search



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 101/808944

SEARCH DATE	TIME	EDITION NO	DATE
4/2/2019	4:36 PM	7	31/10/2017

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO.
CONTROL OF THE RIGHT TO DEAL IS HELD BY AUSTRALIA AND NEW ZEALAND BANKING
GROUP LIMITED.

LAND

LOT 101 IN DEPOSITED PLAN 808944
AT ARNCLIFFE
LOCAL GOVERNMENT AREA BAYSIDE
PARISH OF ST GEORGE COUNTY OF CUMBERLAND
TITLE DIAGRAM DP808944

FIRST SCHEDULE

NIPPON TRUCK SPARES PTY LTD (CN 9736368)

SECOND SCHEDULE (4 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 EASEMENT(S) AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE
DIAGRAM CREATED BY:
DP808944 -TO DRAIN WATER 1.2 WIDE OVER EXISTING LINE OF
PIPES
- 3 Z862880 MORTGAGE TO AUSTRALIA AND NEW ZEALAND BANKING GROUP
LIMITED
- 4 AM843045 LEASE TO NATIONAL TRUCK SPARES PTY LTD EXPIRES:
31/5/2022. OPTION OF RENEWAL: 5 YEARS.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

wolli creek

PRINTED ON 4/2/2019

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.



LAND
REGISTRY
SERVICES

Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

29/1/2019 4:19PM

FOLIO: 102/808944

First Title(s): OLD SYSTEM

Prior Title(s): 1/632477

Recorded	Number	Type of Instrument	C.T. Issue
4/4/1991	DP808944	DEPOSITED PLAN	FOLIO CREATED EDITION 1
17/7/2018	AN499852	TRANSFER WITHOUT MONETARY CONSIDERATION	EDITION 2

*** END OF SEARCH ***

erika

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LAND
REGISTRY
SERVICES

Title Search



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 102/808944

SEARCH DATE	TIME	EDITION NO	DATE
4/2/2019	4:36 PM	2	17/7/2018

LAND

LOT 102 IN DEPOSITED PLAN 808944
AT ARNCLIFFE
LOCAL GOVERNMENT AREA BAYSIDE
PARISH OF ST GEORGE COUNTY OF CUMBERLAND
TITLE DIAGRAM DP808944

FIRST SCHEDULE

PROPERTY NSW

(TZ AN499852)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 EASEMENT(S) APPURTENANT TO THE LAND ABOVE DESCRIBED CREATED BY:
DP808944 -TO DRAIN WATER 1.2 WIDE OVER EXISTING LINE OF
PIPES

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

wolli creek

PRINTED ON 4/2/2019

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 95B(2) of the Real Property Act 1900.



Appendix B: Dangerous Goods Searches

Our Ref: D19/070281

6 March 2019

Land Insight & Resources P/L
Erika Heiden
Lev 5, The Grafton Bond Building
201 Kent Street
SYDNEY NSW 2000

Dear Ms Heiden

RE SITE: 2 Guess Ave, Wolli Creek NSW

I refer to your site search request received by SafeWork NSW on 4 February 2019 requesting information on Storage of Hazardous Chemicals for the above site.

A search of the records held by SafeWork NSW has not located any records pertaining to the above-mentioned premises.

For further information or if you have any questions, please call us on 13 10 50 or email licensing@safework.nsw.gov.au

Yours sincerely

Customer Service Officer
Customer Experience - Operations
SafeWork NSW



SafeWork NSW

SafeWork NSW

92-100 Donnison Street, Gosford, NSW, 2250

Locked Bag 2906, Lisarow, NSW, 2252 |

Customer Service Centre 13 10 50

licensing@safework.nsw.gov.au | www.safework.nsw.gov.au

Our Ref: D16/591189
Your Ref: Emma Lewis

26 May 2016

Attention: Emma Lewis
Greencap
11-17 Khartoum Rd
North Ryde NSW 2113

Dear Ms Lewis,

RE SITE: Lot 102 DP 808944 & Lot 2 DP 632477 Wolli Creek NSW

I refer to your site search request received by SafeWork NSW on 19 May 2016 requesting information on Storage of Hazardous Chemicals for the above site.

Enclosed are copies of the documents that SafeWork NSW holds on record number 35/037661 relating to the storage of Hazardous Chemicals at the above-mentioned premises.

For further information or if you have any questions, please call our Customer Service Centre on 13 10 50 or email licensing@safework.nsw.gov.au

Yours sincerely,

Brent Jones
Customer Service Officer
Customer Service Centre - Operations
SafeWork NSW

Application is hereby made for—^{*a licence (or amendment of the licence)} for the keeping of dangerous goods in or on the premises described below.
^{*the transfer of the licence}
(*delete whichever is not required)

FEE: \$10.00 per Depot

Name of Applicant in full (see over)	Surname..... Given Names.....
Trading name or occupier's name (if any)	Water Resources Commission
Postal address	P.O. Box 952, North Sydney. Postcode 2060
Telephone number of applicant	STD Code 02 Number 5974444
Address of the premises in or on which the depot or depots are situated (including street number, if any)	W.R.C. Materials Laboratory, Corner Guess Ave. & Arncliffe St., Arncliffe. Postcode 2205
Nature of premises (see over)	Laboratory built in brick, steel, timber & veneer.

PLEASE ATTACH SITE PLAN

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (see over)	Storage capacity	Dangerous goods	
			Product being stored	C & C Office use only
1	Indoor Storage	Up to 250	Flammable liquids:	6.020 32
2	Cabinet	litres	Acetone	
3		aggregate	Benzene	
4		of flammable	Toluene	
5		liquids and	Methyl Ethyl Ketone	
6		class I	Methyl Isobutyl	
7		dangerous	Ketone	
8		goods or	Mineral Turpentine	
9		their	Kerosene	
10		equivalents	Methylated Spirits	
11			Ethanol	
12				

Name of company supplying flammable liquid (if any) Generally from Government Stores Department

Have premises previously been licensed? No

If known, state name of previous occupier Licence No.

Signature of applicant

Date

OFFICER-IN-CHARGE

For external explosives magazine(s), please fill in side 2.

Head Office.

FOR OFFICE USE ONLY Materials Laboratory

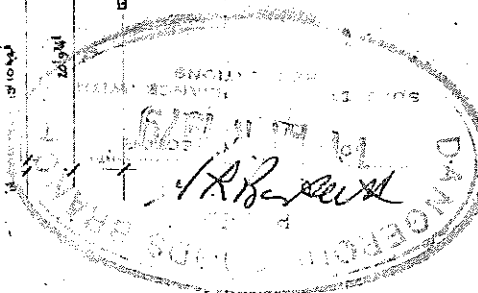
CERTIFICATE OF INSPECTION

I, Maured Arthur Conway being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.

Signature of Inspector

M. Conway

770705



REVISIONS



Appendix C: Planning Certificates

4 February 2019

Our Ref: Certificate No. 52301
Contact: Customer Service 1300 581 299

Land Insight And Resources
4307/4 Daydream St
WARRENWOOD NSW 2102

Dear Sir/Madam

Following is your planning certificate issued under section 10.7 (2) and (5) of the Environmental Planning and Assessment Act 1979.

This Section 10.7 Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from Council's records as they existed at the date of this Certificate.

Should you have any enquiries, please contact the Council's Customer Service Centre on 1300 581 299.

SECTION 10.7 PLANNING CERTIFICATE

(under section 10.7 of the Environmental Planning and Assessment Act 1979)

ISSUED TO:

Land Insight And Resources
4307/4 Daydream St
WARRENWOOD NSW 2102

Council: Bayside
County: Cumberland
Parish: St George

Fee: 133.00
Receipt No: 4142221
Receipt Date: 4 February 2019
Your Ref: LIR-459:21033

PROPERTY: 2 GUESS AVENUE, WOLLI CREEK NSW 2205

Lot 101 DP 808944

CT

Assessment No 48843

Date: 4 February 2019



For
Meredith Wallace
General Manager

Mascot Customer Service Centre
141 Coward Street
Mascot NSW 2020, Australia
council@botanybay.nsw.gov.au
DX 4108 Maroubra Junction

Rockdale Customer Service Centre
444-446 Princes Highway
Rockdale NSW 2216, Australia
rcc@rockdale.nsw.gov.au
DX 25308 Rockdale

T 1300 581 299 F 02 9562 1777
www.bayside.nsw.gov.au

Postal address: PO Box 21 Rockdale NSW 2216



Telephone Interpreter Services - 131 450

Τηλεφωνικές Υπηρεσίες Διερμηνέων

بخدمه الترجمة الهاتفية

電話傳譯服務處

Служба за преведување по телефон

This page is intentionally left blank

Note: Where this certificate refers to a specific allotment (or allotments) within a strata plan the certificate is issued for the whole of the land within the strata plan, not just the specific allotment or allotments referred to, and any information contained in the certificate may relate to the whole or any part of the strata plan.

1 Names of relevant planning instruments and DCPs

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

Rockdale Local Environmental Plan 2011

State Environmental Planning Policy No 19	Bushland in Urban Areas
State Environmental Planning Policy No 21	Caravan Parks
State Environmental Planning Policy No 30	Intensive Agriculture
State Environmental Planning Policy No 33	Hazardous and Offensive Development
State Environmental Planning Policy No 50	Canal Estates Development
State Environmental Planning Policy No 55	Remediation of Land
State Environmental Planning Policy No 62	Sustainable Aquaculture
State Environmental Planning Policy No 64	Advertising and Signage
State Environmental Planning Policy No 65	Design Quality of Residential Apartment Development
State Environmental Planning Policy No 70	Affordable Housing (Revised Schemes)
State Environmental Planning Policy	(Affordable Rental Housing) 2009
State Environmental Planning Policy	(Building Sustainability Index: BASIX) 2004
State Environmental Planning Policy	(Educational Establishments and Child Care Facilities) 2017
State Environmental Planning Policy	(Exempt and Complying Development Codes) 2008
State Environmental Planning Policy	(Housing for Seniors and People with a Disability) 2004 (Only applies to land referred to in clause 4 (1) of the Policy and does not apply to land referred to in clause 4 (2) of the Policy)
State Environmental Planning Policy	(Infrastructure) 2007
State Environmental Planning Policy	(Mining, Petroleum Production and Extractive Industries) 2007
State Environmental Planning Policy	(State and Regional Development) 2011
State Environmental Planning Policy	(Miscellaneous Consent Provisions) 2007
State Environmental Planning Policy	(Vegetation in Non-Rural Areas) 2017
State Environmental Planning Policy	(Coastal Management) 2018
State Environmental Planning Policy	(Arncliffe and Banksia Precincts) 2018

Greater Metropolitan Regional Environmental Plan No. 2 – Georges River Catchment (only applies to land within the Georges River Catchment, being, in the Bayside Council area, certain land within the suburbs of Dolls Point, Ramsgate, Sandringham and Sans Souci).

(2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Director-General has notified the council that the making of the proposed

instrument has been deferred indefinitely or has not been approved).

No Planning Proposal applies to the land.

- Draft State Environmental Planning Policy – Remediation of Land
- Draft Amendments to State Environmental Planning Policy (Affordable Rental Housing) 2009
- Draft Amendments to State Environmental Planning Policy No. 70 (Affordable Housing)

For more information or to determine whether this applies to your property, visit the Department of Planning and Environment website at www.planning.nsw.gov.au.

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

Rockdale Development Control Plan 2011

(4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or a draft environmental planning instrument.

2 Zoning and land use under relevant local environmental plans

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

- 2(a) the identity of the zone, whether by reference to a name or by reference to a number;
- 2(b) the purposes for which the instrument provides that development may be carried out within the zone without the need for development consent;
- 2(c) the purposes for which the instrument provides that development may not be carried out within the zone except with development consent;
- 2(d) the purposes for which the instrument provides that development is prohibited within the zone:

The following zone or zones apply under the local environmental plan or deemed environmental planning instrument referred to in question 1 (1):

Zone B4 Mixed Use

1 Objectives of zone

- To provide a mixture of compatible land uses.
- To integrate suitable business, office, residential, retail and other development in accessible locations so as to maximise public transport patronage and encourage walking and cycling.

2 Permitted without consent

Home-based child care; Home businesses; Home occupations; Roads.

3 Permitted with consent

Boarding houses; Child care centres; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Exhibition homes; Function centres; Hotel or motel accommodation; Information and education facilities; Medical centres; Passenger transport facilities; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Seniors housing; Shop top housing; Any other development not specified in item 2 or 4.

4 Prohibited

Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Attached dwellings; Boat building and repair facilities; Boat launching ramps; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional facilities; Crematoria; Depots; Dual occupancies; Dwelling houses; Eco-tourist facilities; Exhibition villages; Extractive industries; Farm buildings; Forestry; Freight transport facilities; Heavy industrial storage establishments; Highway service centres; Home occupations (sex services); Industrial retail outlets; Industrial training facilities; Industries; Jetties; Marinas; Mooring pens; Moorings; Multi dwelling housing; Open cut mining; Port facilities; Research stations; Rural industries; Rural workers' dwellings; Secondary dwellings; Semi-detached dwellings; Sex services premises; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations;

Warehouse or distribution centres; Waste or resource management facilities; Wharf or boating facilities; Wholesale supplies.

Zone RE1 Public Recreation

1 Objectives of zone

- To enable land to be used for public open space or recreational purposes.
- To provide a range of recreational settings and activities and compatible land uses.
- To protect and enhance the natural environment for recreational purposes.

2 Permitted without consent

Roads

3 Permitted with consent

Boat launching ramps; Child care centres; Community facilities; Environmental facilities; Environmental protection works; Jetties; Kiosks; Recreation areas; Recreation facilities (indoor); Recreation facilities (major); Recreation facilities (outdoor); Respite day care centres; Signage; Water supply systems

4 Prohibited

Any development not specified in item 2 or 3

2(e) whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed;

No environmental planning instrument applies to the land that fixes minimum land dimensions for the erection of a dwelling.

Note:

- (1) Whether or not such a requirement applies to the land under any local environmental plan, deemed environmental planning instrument or draft local environmental plan, the Council does set minimum dimensions and areas for new residential allotments in **Section 4.1.9 of Rockdale Development Control Plan 2011**.
- (2) The above information does not imply that the erection of a dwelling-house is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

2(f) whether the land includes or comprises critical habitat;

The land does not include or comprise critical habitat.

2(g) whether the land is in a conservation area (however described);

The land is not in a conservation area.

2(h) whether an item of environmental heritage (however described) is situated on the land.

There is no such item situated on the land.

2A Zoning and land use under State Environmental Planning Policy (Sydney Region Growth Centres) 2006

To the extent that the land is within any zone (however described) under:

- (a) Part 3 of the State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP); or
- (b) a Precinct Plan (within the meaning of the 2006 SEPP); or
- (c) a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the Act;

the particulars referred to in clause 2 (a)–(h) in relation to that land (with a reference to “the instrument” in any of those paragraphs being read as a reference to Part 3 of the 2006 SEPP, or the Precinct Plan or proposed Precinct Plan, as the case requires).

Not applicable.

3 Complying development

- 1 The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4) and 1.19 of *State Environmental Planning Policy (Exempt and Complying*

Development Codes) 2008;

- 2 The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses; and**
- 3 If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.**

**General Housing Code
Rural Housing Code**

Complying development **may not** be carried out on the land in accordance with the above codes for the following reason/s:

All of the land is reserved for acquisition as identified on the *Rockdale Local Environmental Plan 2011* Land Reservation Acquisition Map.

Commercial and Industrial (New Buildings and Additions) Code

Complying development **may not** be carried out on the land in accordance with the above codes for the following reason(s):

All of the land is reserved for acquisition as identified on the *Rockdale Local Environmental Plan 2011* Land Reservation Acquisition Map.

**Housing Alterations Code
General Commercial and Industrial Code
Subdivisions Code
General Development Code
Demolition Code
Commercial and Industrial Alterations Code
Fire Safety Code**

Complying development **may** be carried out on the land in accordance with the above Codes.

Notes:

- (1) If a reference is made to "part of the land", Complying Development **may** be carried out on the portion of the land not subject to such a restriction.
- (2) This certificate only addresses matters raised in Clause 1.17 and Clause 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. It is your responsibility to ensure that you comply with any other general requirements of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.
-

4 Coastal protection

Whether or not the land is affected by the operation of section 38 or 39 of the *Coastal Protection Act 1979*, but only to the extent that the council has been so notified by the Department of Public Works

N/A (Repealed)

4A Certain information relating to beaches and coasts

- (1) In relation to a coastal council - whether an order has been made under Part 4D of the *Coastal Protection Act 1979* in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land), except where the council is satisfied that such an order has been fully complied with;

N/A (Repealed)

- (2) In relation to a coastal council:

- (a) whether the council has been notified under section 55X of the *Coastal Protection Act 1979* that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land); and
- (b) if works have been so placed—whether the council is satisfied that the works have been removed and the land restored in accordance with that Act.

N/A (Repealed)

- (3) In relation to a coastal council—such information (if any) as is required by the regulations under section 56B of the *Coastal Protection Act 1979* to be included in the planning certificate and of which the council has been notified pursuant to those regulations.

N/A (Repealed)

4B Annual charges under *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works

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

The land is not so affected.

5 Mine subsidence

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*.

The land is not so proclaimed.

6 Road widening and road realignment

Whether or not the land is affected by any road widening or road realignment under:

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

The land is not affected by any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993*, any environmental planning instrument or any resolution of the Council.

7 Council and other public authority policies on hazard risk restrictions

Whether or not the land is affected by a policy:

- (a) adopted by the council; or
- (b) adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council;

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

Contaminated Land Policy

The Council has adopted by resolution a policy on contaminated land that may restrict the development of the land. This policy is implemented when zoning or land use changes are proposed on lands that have previously been used for certain purposes. The Council's records do not have sufficient information about previous use of this land to determine whether the land is contaminated. Consideration of the Council's adopted policy and the application of provisions under relevant State legislation is warranted.

Policy on Rezoning and Development of Land Affected by Aircraft Noise and Airport Related Height Controls

The former City of Rockdale Council resolved on 4 October 2006 to adopt a policy for assessing the appropriateness of rezoning and development in areas affected by aircraft noise and airport related height controls. This policy applies to all land within the former City of Rockdale.

Other policies

The land is not affected by any other such policy that restricts the development of the land due to hazard risk.

7A Flood related development control information

- (1) **Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.**

The development of the land or part of the land for such a purpose may be subject to flood related development controls.

- (2) **Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.**

The development of the land or part of the land for a purpose not referred to in Question 7A (1) may be subject to flood related development controls.

Note:

(1) The answers above do not imply that the development referred to is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

(2) Council is not in a position to identify whether the information provided under Clause 7A relates to a current or future hazard as defined in Planning Circular PS 14-003.

Note: Further information relating to flooding is provided in the "Advice under Section 10.7 (5)" attached.

- (3) **Words and expressions in this clause have the same meanings as in the instrument set out in the Schedule to the *Standard Instrument (Local Environmental Plans) Order 2006*.**

8 Land reserved for acquisition

Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

All or part of the land is reserved for acquisition under *Rockdale Local Environmental Plan 2011* by Council for the purpose of local open space.

Please refer to the Reservation Acquisition Map of *Rockdale Local Environmental Plan 2011* for more information.

9 Contributions plans

The name of each contributions plan applying to the land

Rockdale Section 94 Contributions Plan 2004

Rockdale Section 94A Development Contributions Plan 2008

This property has been specifically identified in *Rockdale Section 94 Contributions Plan 2004* for future acquisition to provide a public facility or service. Refer to the plan for details.

Note: *Rockdale Section 94 Contributions Plan (Amendment No 4)* and *Rockdale Section 94 Contributions Plan 1998* will continue to apply to all development applications and applications for complying development certificates made prior to 1 June 2004.

9A Biodiversity certified land

If the land is biodiversity certified land (within the meaning of Part 7AA of the *Threatened Species Conservation Act 1995*), a statement to that effect.

The land is not so affected.

10 Biobanking agreements

If the land is land to which a biobanking agreement under Part 7A of the *Threatened Species Conservation Act 1995* relates, a statement to that effect (but only if the council has been notified of the existence of the agreement by the Director-General of the Department of Environment, Climate Change and Water).

The land is not affected by such an agreement.

11 Bush fire prone land

If any of the land is bush fire prone land (as defined in the Act), a statement that all or, as the case may be, some of the land is bush fire prone land.

If none of the land is bush fire prone land, a statement to that effect.

The land is not bush fire prone land.

12 Property vegetation plans

If the land is land to which a property vegetation plan under the *Native Vegetation Act 2003* applies, a statement to that effect (but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act).

The land is not land to which a property vegetation plan applies.

13 Orders under *Trees (Disputes Between Neighbours) Act 2006*

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land (but only if the council has been notified of the order).

The land is not subject to such an order.

14 Directions under Part 3A

If there is a direction by the Minister in force under section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect, a statement to that effect identifying the provision that does not have effect.

The land is not subject to any such directions.

15 Site compatibility certificates and conditions for seniors housing

If the land is land to which *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004* applies:

- (a) a statement of whether there is a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:**
 - (i) the period for which the certificate is current; and**
 - (ii) that a copy may be obtained from the head office of the Department of Planning, and**
- (b) a statement setting out any terms of a kind referred to in clause 18 (2) of that Policy that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land.**

The land is not subject to any such certificate.

16 Site compatibility certificates for infrastructure

A statement of whether there is a valid site compatibility certificate (infrastructure), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:

- (a) the period for which the certificate is valid, and**
- (b) that a copy may be obtained from the head office of the Department of Planning.**

The land is not subject to any such certificate.

17 Site compatibility certificates and conditions for affordable rental housing

- (1) A statement of whether there is a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:**

- (a) the period for which the certificate is current; and
 - (b) that a copy may be obtained from the head office of the Department of Planning.
- (2) A statement setting out any terms of a kind referred to in clause 17 (1) or 37 (1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* that have been imposed as a condition of consent to a development application in respect of the land.

The land is not subject to any such statement.

18 Paper subdivision information

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.
- (2) The date of any subdivision order that applies to the land.
- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

The land is not so affected.

19 Site verification certificates

A statement of whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:

- (a) the matter certified by the certificate; and
(Note. A site verification certificate sets out the Director-General's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land—see Division 3 of Part 4AA of *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*)
- (b) the date on which the certificate ceases to be current (if any); and
- (c) that a copy may be obtained from the head office of the Department of Planning and Infrastructure.

The land is not subject to any such certificate.

20 Loose-fill asbestos insulation

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

The land is not so identified.

Note: The register referred to in this question is the *Loose-Fill Asbestos Insulation Register*, which is maintained by the Secretary of NSW Fair Trading.

Note: The following matters are prescribed by section 59 (2) of the *Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued;
- (b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued;
- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued;
- (d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued; and
- (e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

The land is not so affected.

Note: Section 26 of the *Nation Building and Jobs Plan (State Infrastructure Delivery) Act 2009* provides that a planning certificate must include advice about any exemption under section 23 or authorisation under section 24 of that Act if the council is provided with a copy of the exemption or authorisation by the Co-ordinator General under that Act.

The land is not so affected.

21 Affected building notices and building product rectification orders

- (1) A statement of whether there is any affected building notice of which the council is aware that is in force in respect of the land.
- (2) A statement of:
 - (a) whether there is any building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
 - (b) whether any notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.
- (3) In this clause:
affected building notice has the same meaning as in Part 4 of the *Building*

Products (Safety) Act 2017.
building product rectification order has the same meaning as in the ***Building Products (Safety) Act 2017.***

Council is not aware of an issue of a notice of intention or order pertaining to building product rectification works.

[End of information under section 10.7 (2)]

ADVICE UNDER SECTION 10.7 (5)

Note: The Council is under no obligation to furnish any of the information supplied below. Equally, it may be that not every relevant matter relating to the land is provided below. The Council draws your attention to section 10.7 (6) which states that a council shall not incur any liability in respect of any advice provided in good faith under section 10.7 (5).

Further to your application for information under section 10.7 (5), the Council has resolved to supply answers to the following questions:

A Details of any resolution of the Council to alter the zoning of the land or to alter the provisions of an environmental planning instrument applying to the land, where such an alteration has not yet been placed on exhibition under Schedule 1 Clause 4 of the Act

No Planning Proposal or draft environmental planning instrument applies to the land that has not yet been placed on public exhibition.

B Details of any provision in a local environmental plan or deemed environmental planning instrument applying to the land that

- (i) Permits any development or class of development without the need for development consent; or
- (ii) Requires development consent for any development or class of development; or
- (iii) Restricts or prohibits any development or class of development;

other than such a provision referred to in Question 2 (a) to (d) of the certificate under section 10.7 (2):

The Schedule at the end of this certificate identifies any such provisions that may apply to the land.

C Whether or not the Council has information that would indicate that the land is subject to the risk of flooding or tidal inundation for a 1% annual exceedance probability (AEP) (1 in 100 Year) event

The Council is aware of various information that suggests the land may be affected by the 1% AEP flood. The Council is unaware of the accuracy of this information, although further enquiries may be made with the Council's City Services Department in relation to this.

Note: Refer to Question 7A of the preceding certificate under section 10.7 (2) to ascertain whether or not development on the land may be subject to flood related development controls.

D Whether or not the Council has information that would indicate that the land is subject to slip or subsidence

The Council is not aware of any investigations that have been carried out.

E Details of any tree preservation order applying to the land

N/A (Repealed)

F Whether or not the land is in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan

The land is not in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan.

G Whether or not a planning agreement entered into under Subdivision 2 of Division 7.1 of Part 7 of the Environmental Planning and Assessment Act 1979 currently applies to the land (but only if, where the Council is not a party to the agreement, information about the agreement has been provided to the Council)

No planning agreement currently applies to the land.

H Details of the Annual Noise Exposure Forecast (ANEF) applying to the land

The ANEF affectation of the land is less than 20.

Note: The ANEF level may restrict the development of the land due to the risk of exposure to aircraft noise.

[End of advice under Section 10.7 (5)]

SCHEDULE

Details of any provision in a local environmental plan or deemed environmental planning instrument applying to the land that permit without development consent, require development consent for, or restrict or prohibit, certain development or classes of development

Active street frontages – Clause 6.11 of Rockdale Local Environmental Plan 2011 requires the provision of business or retail premises on the ground floor of land identified in the Active Street Frontages Map.

Additional permitted uses for particular land – Clause 2.5 of Rockdale Local Environmental Plan 2011 allows development to be carried out, with development consent, for certain additional purposes on certain land within the City, as detailed in Schedule 1.

Airspace operations – Clause 6.4 of Rockdale Local Environmental Plan 2011 requires Council to consult with the relevant Commonwealth body on any development application that may penetrate the Obstacle Limitation Surface.

Architectural roof features – Clause 5.6 of Rockdale Local Environmental Plan 2011 permits variation to the maximum building height standards for roof features of visual interest.

Bush fire hazard reduction – Clause 5.11 of Rockdale Local Environmental Plan 2011 permits bush fire hazard reduction work authorised by the Rural Fires Act 1997 on any land without development consent.

Controls relating to miscellaneous permissible uses – Clause 5.4 of Rockdale Local Environmental Plan 2011 provides development controls for the following development types: Bed and breakfast accommodation; Home businesses; Home industries; Industrial retail outlets; Farm stay accommodation; Kiosks; Neighbourhood shops; Roadside stalls and Secondary dwellings.

Conversion of fire alarms – Clause 5.8 of Rockdale Local Environmental Plan 2011 requires development consent for the conversion of a fire alarm system that can be monitored by Fire and Rescue NSW or by a private service provider.

Demolition requires development consent – Clause 2.7 of Rockdale Local Environmental Plan 2011 requires development consent for demolition, except if it is identified as exempt development in the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

Development below the mean high water mark – Clause 5.7 of Rockdale Local Environmental Plan 2011 requires development consent to carry out any development on land below the mean high water mark.

Development in areas subject to aircraft noise – Clause 6.4 of Rockdale Local Environmental Plan 2011 requires Council to consider the aircraft noise impacts on proposed development. See Question H of this certificate for the actual aircraft noise affectation of the land.

Development on flood prone land – Clause 6.6 of Rockdale Local Environmental Plan 2011 requires development consent for the erection of buildings or the carrying out of work for any purpose on land identified on the 'Flood Planning Area' map. Further information on whether this land may be subject to the risk of flooding is provided in Question C of the "Advice under Section 149 (5)".

Development on land intended to be acquired for public purposes – Clause 5.1A of Rockdale Local Environmental Plan 2011 specifies the permissible land uses for land that is identified for acquisition on the 'Land Acquisition Reservation Map'.

Earthworks – Clause 6.2 of Rockdale Local Environmental Plan 2011 requires development consent for excavating or filling the land to which this Certificate applies, except for excavating and filling referred to in subclause (2).

Exempt and complying development – Clause 3.1, 3.2 and Schedules 2 and 3 of Rockdale Local Environmental Plan 2011 identify the types of development that are "exempt development" and "complying development" (within the meaning of the Act).

Floor space ratio – Clause 4.4 (and supporting maps) of Rockdale Local Environmental Plan 2011 applies maximum allowable floor space ratio standards to all land within the City.

Foreshore building line – Clause 6.5 of Rockdale Local Environmental Plan 2011 applies

a foreshore building line to certain land within Zone IN2 Light Industry in Henderson Street, Turrella, which generally prohibits the erection of a building or the carrying out of a work between the foreshore building line and Wolli Creek.

Height of buildings – Clause 4.3 (and supporting maps) of Rockdale Local Environmental Plan 2011 applies maximum allowable height of building standards to all land within the City.

Heritage items, heritage conservation areas and relics – Clause 5.10 of Rockdale Local Environmental Plan 2011 requires development consent for certain activities relating to heritage items, heritage conservation areas and relics. If this land is within a heritage conservation area or contains a heritage item it will be indicated in Question 2 (g) or (h), respectively, of this certificate.

Infrastructure development and use of existing buildings of the Crown – Clause 5.12 of Rockdale Local Environmental Plan 2011 does not restrict or prohibit, or enable the restriction or prohibition of, the carrying out of any development, by or on behalf of a public authority, that is permitted to be carried out with or without development consent, or that is exempt development, under State Environmental Planning Policy (Infrastructure) 2007.

Minimum subdivision lot size – Clause 4.1 of Rockdale Local Environmental Plan 2011 sets minimum subdivision lot size for any land shown on the Lot Size Map.

Outdoor advertising – Schedule 2 of Rockdale Local Environmental Plan 2011 allows certain advertisements as exempt development.

Sex services premises – Clause 6.13 of Rockdale Local Environmental Plan 2011 provides locational and amenity assessment criteria for the various types of sex services premises, which includes brothels.

Subdivision – Clause 2.6 of Rockdale Local Environmental Plan 2011 requires development consent for the subdivision of land.

Temporary use of land – Clause 2.8 of Rockdale Local Environmental Plan 2011 allows the use of any land or building for any temporary purpose, with development consent, subject to the considerations identified in that clause.

Trees or vegetation not prescribed by development control plan – State Environmental Planning

Policy (Vegetation in Non-Rural Areas) 2017 sets out the State Government's policy which aims to:

- (a) Protect the biodiversity values of trees and other vegetation in non-rural areas of the State;
and
- (a) Preserve the amenity of non-rural areas of the State through the preservation of trees and other vegetation.

Please consult this policy document before undertaking any works to trees or other vegetation.'

Unzoned land – Clause 2.4 of Rockdale Local Environmental Plan 2011 allows development to be carried out on unzoned land, but only with consent.

[End of Schedule]

IMPORTANT NOTICE TO PURCHASERS

ALTERATIONS AND ADDITIONS TO BUILDINGS

Purchasers are reminded that it is necessary to obtain development consent from the Council prior to carrying out any building alterations or additions, including brick reskinning, replacing windows or internal alterations, or for the demolition of any building, unless the proposed work is specifically exempted by *Rockdale Local Environmental Plan 2011* or *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. All other building work does require the Council's approval.

Should you require any information or advice for any building work that you propose to undertake please contact the Council's Customer Service Centre on 1300 581 299.

7 February 2019

Our Ref: Certificate No. 52333
Contact: Customer Service 1300 581 299

Land Insight And Resources
4307/4 Daydream St
WARRENWOOD NSW 2102

Dear Sir/Madam

Following is your planning certificate issued under section 10.7 (2) and (5) of the Environmental Planning and Assessment Act 1979.

This Section 10.7 Certificate has been issued by Bayside Council. Information contained within this Certificate is based on data from Council's records as they existed at the date of this Certificate.

Should you have any enquiries, please contact the Council's Customer Service Centre on 1300 581 299.

SECTION 10.7 PLANNING CERTIFICATE

(under section 10.7 of the Environmental Planning and Assessment Act 1979)

ISSUED TO:

Land Insight And Resources
4307/4 Daydream St
WARRENWOOD NSW 2102

Council: Bayside
County: Cumberland
Parish: St George

Fee: 133.00
Receipt No: 4142221
Receipt Date: 4 February 2019
Your Ref: LIR-459:21033

PROPERTY: 4 GUESS AVENUE, WOLLI CREEK NSW 2205

Lot 102 DP 808944

CT

Assessment No 48842

Date: 7 February 2019



For
Meredith Wallace
General Manager

Mascot Customer Service Centre
141 Coward Street
Mascot NSW 2020, Australia
council@botanybay.nsw.gov.au
DX 4108 Maroubra Junction

Rockdale Customer Service Centre
444-446 Princes Highway
Rockdale NSW 2216, Australia
rcc@rockdale.nsw.gov.au
DX 25308 Rockdale

T 1300 581 299 F 02 9562 1777
www.bayside.nsw.gov.au

Postal address: PO Box 21 Rockdale NSW 2216



Telephone Interpreter Services - 131 450

Τηλεφωνικές Υπηρεσίες Διερμηνέων

بخدمة الترجمة الهاتفية

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Note: Where this certificate refers to a specific allotment (or allotments) within a strata plan the certificate is issued for the whole of the land within the strata plan, not just the specific allotment or allotments referred to, and any information contained in the certificate may relate to the whole or any part of the strata plan.

1 Names of relevant planning instruments and DCPs

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

Rockdale Local Environmental Plan 2011

State Environmental Planning Policy No 19	Bushland in Urban Areas
State Environmental Planning Policy No 21	Caravan Parks
State Environmental Planning Policy No 30	Intensive Agriculture
State Environmental Planning Policy No 33	Hazardous and Offensive Development
State Environmental Planning Policy No 50	Canal Estates Development
State Environmental Planning Policy No 55	Remediation of Land
State Environmental Planning Policy No 62	Sustainable Aquaculture
State Environmental Planning Policy No 64	Advertising and Signage
State Environmental Planning Policy No 65	Design Quality of Residential Apartment Development
State Environmental Planning Policy No 70	Affordable Housing (Revised Schemes)
State Environmental Planning Policy	(Affordable Rental Housing) 2009
State Environmental Planning Policy	(Building Sustainability Index: BASIX) 2004
State Environmental Planning Policy	(Educational Establishments and Child Care Facilities) 2017
State Environmental Planning Policy	(Exempt and Complying Development Codes) 2008
State Environmental Planning Policy	(Housing for Seniors and People with a Disability) 2004 (Only applies to land referred to in clause 4 (1) of the Policy and does not apply to land referred to in clause 4 (2) of the Policy)
State Environmental Planning Policy	(Infrastructure) 2007
State Environmental Planning Policy	(Mining, Petroleum Production and Extractive Industries) 2007
State Environmental Planning Policy	(State and Regional Development) 2011
State Environmental Planning Policy	(Miscellaneous Consent Provisions) 2007
State Environmental Planning Policy	(Vegetation in Non-Rural Areas) 2017
State Environmental Planning Policy	(Coastal Management) 2018
State Environmental Planning Policy	(Arncliffe and Banksia Precincts) 2018

Greater Metropolitan Regional Environmental Plan No. 2 – Georges River Catchment (only applies to land within the Georges River Catchment, being, in the Bayside Council area, certain land within the suburbs of Dolls Point, Ramsgate, Sandringham and Sans Souci).

(2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Director-General has notified the council that the making of the proposed

instrument has been deferred indefinitely or has not been approved).

No Planning Proposal applies to the land.

- Draft State Environmental Planning Policy – Remediation of Land
- Draft Amendments to State Environmental Planning Policy (Affordable Rental Housing) 2009
- Draft Amendments to State Environmental Planning Policy No. 70 (Affordable Housing)

For more information or to determine whether this applies to your property, visit the Department of Planning and Environment website at www.planning.nsw.gov.au.

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

Rockdale Development Control Plan 2011

(4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or a draft environmental planning instrument.

2 Zoning and land use under relevant local environmental plans

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

- 2(a) the identity of the zone, whether by reference to a name or by reference to a number;
- 2(b) the purposes for which the instrument provides that development may be carried out within the zone without the need for development consent;
- 2(c) the purposes for which the instrument provides that development may not be carried out within the zone except with development consent;
- 2(d) the purposes for which the instrument provides that development is prohibited within the zone:

The following zone or zones apply under the local environmental plan or deemed environmental planning instrument referred to in question 1 (1):

Zone RE1 Public Recreation

1 Objectives of zone

- To enable land to be used for public open space or recreational purposes.
- To provide a range of recreational settings and activities and compatible land uses.
- To protect and enhance the natural environment for recreational purposes.

2 Permitted without consent

Roads

3 Permitted with consent

Boat launching ramps; Child care centres; Community facilities; Environmental facilities; Environmental protection works; Jetties; Kiosks; Recreation areas; Recreation facilities (indoor); Recreation facilities (major); Recreation facilities (outdoor); Respite day care centres; Signage; Water supply systems

4 Prohibited

Any development not specified in item 2 or 3

2(e) whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed;

No environmental planning instrument applies to the land that fixes minimum land dimensions for the erection of a dwelling.

Note:

- (1) Whether or not such a requirement applies to the land under any local environmental plan, deemed environmental planning instrument or draft local environmental plan, the Council does set minimum dimensions and areas for new residential allotments in **Section 4.1.9** of *Rockdale Development Control Plan 2011*.
 - (2) The above information does not imply that the erection of a dwelling-house is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.
-

2(f) whether the land includes or comprises critical habitat;

The land does not include or comprise critical habitat.

2(g) whether the land is in a conservation area (however described);

The land is not in a conservation area.

2(h) whether an item of environmental heritage (however described) is situated on the land.

There is no such item situated on the land.

2A Zoning and land use under State Environmental Planning Policy (Sydney Region Growth Centres) 2006

To the extent that the land is within any zone (however described) under:

- (a) Part 3 of the State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP); or
- (b) a Precinct Plan (within the meaning of the 2006 SEPP); or
- (c) a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the Act;

the particulars referred to in clause 2 (a)–(h) in relation to that land (with a reference to “the instrument” in any of those paragraphs being read as a reference to Part 3 of the 2006 SEPP, or the Precinct Plan or proposed Precinct Plan, as the case requires).

Not applicable.

3 Complying development

- 1** The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*;
- 2** The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses; and
- 3** If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

**General Housing Code
Rural Housing Code**

Complying development **may not** be carried out on the land in accordance with the above codes for the following reason/s:

All of the land is reserved for acquisition as identified on the *Rockdale Local Environmental Plan 2011* Land Reservation Acquisition Map.

Commercial and Industrial (New Buildings and Additions) Code

Complying development **may not** be carried out on the land in accordance with the above codes for the following reason(s):

All of the land is reserved for acquisition as identified on the *Rockdale Local Environmental Plan 2011* Land Reservation Acquisition Map.

**Housing Alterations Code
General Commercial and Industrial Code
Subdivisions Code
General Development Code
Demolition Code
Commercial and Industrial Alterations Code
Fire Safety Code**

Complying development **may** be carried out on the land in accordance with the above Codes.

Notes:

- (1) If a reference is made to "part of the land", Complying Development **may** be carried out on the portion of the land not subject to such a restriction.
- (2) This certificate only addresses matters raised in Clause 1.17 and Clause 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. It is your responsibility to ensure that you comply with any other general requirements of the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.
-

4 Coastal protection

Whether or not the land is affected by the operation of section 38 or 39 of the *Coastal Protection Act 1979*, but only to the extent that the council has been so notified by the Department of Public Works

N/A (Repealed)

4A Certain information relating to beaches and coasts

(1) In relation to a coastal council - whether an order has been made under Part 4D of the *Coastal Protection Act 1979* in relation to temporary coastal protection works (within the meaning of that Act) on the land (or on public land adjacent to that land), except where the council is satisfied that such an order has been fully complied with;

N/A (Repealed)

(2) In relation to a coastal council:

- (a) whether the council has been notified under section 55X of the *Coastal Protection Act 1979* that temporary coastal protection works (within the meaning of that Act) have been placed on the land (or on public land adjacent to that land); and
- (b) if works have been so placed—whether the council is satisfied that the works have been removed and the land restored in accordance with that Act.

N/A (Repealed)

(3) In relation to a coastal council—such information (if any) as is required by the regulations under section 56B of the *Coastal Protection Act 1979* to be included in the planning certificate and of which the council has been notified pursuant to those regulations.

N/A (Repealed)

4B Annual charges under *Local Government Act 1993* for coastal protection services that relate to existing coastal protection works

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

The land is not so affected.

5 Mine subsidence

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*.

The land is not so proclaimed.

6 Road widening and road realignment

Whether or not the land is affected by any road widening or road realignment under:

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

The land is not affected by any road widening or road realignment under Division 2 of Part 3 of the *Roads Act 1993*, any environmental planning instrument or any resolution of the Council.

7 Council and other public authority policies on hazard risk restrictions

Whether or not the land is affected by a policy:

- (a) adopted by the council; or**
- (b) adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council;**

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

Contaminated Land Policy

The Council has adopted by resolution a policy on contaminated land that may restrict the development of the land. This policy is implemented when zoning or land use changes are proposed on lands that have previously been used for certain purposes. The Council's records do not have sufficient information about previous use of this land to determine whether the land is contaminated. Consideration of the Council's adopted policy and the application of provisions under relevant State legislation is warranted.

Policy on Rezoning and Development of Land Affected by Aircraft Noise and Airport Related Height Controls

The former City of Rockdale Council resolved on 4 October 2006 to adopt a policy for assessing the appropriateness of rezoning and development in areas affected by aircraft noise and airport related height controls. This policy applies to all land within the former City of Rockdale.

Other policies

The land is not affected by any other such policy that restricts the development of the land due to hazard risk.

7A Flood related development control information

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.**

The development of the land or part of the land for such a purpose may be subject to flood related development controls.

- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.**

The development of the land or part of the land for a purpose not referred to in Question 7A (1) may be subject to flood related development controls.

Note:

(1) The answers above do not imply that the development referred to is necessarily permissible on the land to which this certificate applies. Refer to the relevant local environmental plan, deemed environmental planning instrument or draft local environmental plan applying to the land to confirm this.

(2) Council is not in a position to identify whether the information provided under Clause 7A relates to a current or future hazard as defined in Planning Circular PS 14-003.

Note: Further information relating to flooding is provided in the "Advice under Section 10.7 (5)" attached.

- (3) Words and expressions in this clause have the same meanings as in the instrument set out in the Schedule to the *Standard Instrument (Local Environmental Plans) Order 2006*.**

8 Land reserved for acquisition

Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

All or part of the land is reserved for acquisition under *Rockdale Local Environmental Plan 2011* by Council for the purpose of local open space.

Please refer to the Reservation Acquisition Map of *Rockdale Local Environmental Plan 2011* for more information.

9 Contributions plans

The name of each contributions plan applying to the land

Rockdale Section 94 Contributions Plan 2004

Rockdale Section 94A Development Contributions Plan 2008

This property has been specifically identified in *Rockdale Section 94 Contributions Plan 2004* for future acquisition to provide a public facility or service. Refer to the plan for details.

Note: *Rockdale Section 94 Contributions Plan (Amendment No 4)* and *Rockdale Section 94 Contributions Plan 1998* will continue to apply to all development applications and applications for complying development certificates made prior to 1 June 2004.

9A Biodiversity certified land

If the land is biodiversity certified land (within the meaning of Part 7AA of the *Threatened Species Conservation Act 1995*), a statement to that effect.

The land is not so affected.

10 Biobanking agreements

If the land is land to which a biobanking agreement under Part 7A of the *Threatened Species Conservation Act 1995* relates, a statement to that effect (but only if the council has been notified of the existence of the agreement by the Director-General of the Department of Environment, Climate Change and Water).

The land is not affected by such an agreement.

11 Bush fire prone land

If any of the land is bush fire prone land (as defined in the Act), a statement that all or, as the case may be, some of the land is bush fire prone land.

If none of the land is bush fire prone land, a statement to that effect.

The land is not bush fire prone land.

12 Property vegetation plans

If the land is land to which a property vegetation plan under the *Native Vegetation Act 2003* applies, a statement to that effect (but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act).

The land is not land to which a property vegetation plan applies.

13 Orders under *Trees (Disputes Between Neighbours) Act 2006*

Whether an order has been made under the *Trees (Disputes Between Neighbours) Act 2006* to carry out work in relation to a tree on the land (but only if the council has been notified of the order).

The land is not subject to such an order.

14 Directions under Part 3A

If there is a direction by the Minister in force under section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect, a statement to that effect identifying the provision that does not have effect.

The land is not subject to any such directions.

15 Site compatibility certificates and conditions for seniors housing

If the land is land to which *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004* applies:

- (a) a statement of whether there is a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:
 - (i) the period for which the certificate is current; and
 - (ii) that a copy may be obtained from the head office of the Department of Planning, and
- (b) a statement setting out any terms of a kind referred to in clause 18 (2) of that Policy that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land.

The land is not subject to any such certificate.

16 Site compatibility certificates for infrastructure

A statement of whether there is a valid site compatibility certificate (infrastructure), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:

- (a) the period for which the certificate is valid, and
- (b) that a copy may be obtained from the head office of the Department of Planning.

The land is not subject to any such certificate.

17 Site compatibility certificates and conditions for affordable rental housing

- (1) **A statement of whether there is a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:**

- (a) the period for which the certificate is current; and
 - (b) that a copy may be obtained from the head office of the Department of Planning.
- (2) A statement setting out any terms of a kind referred to in clause 17 (1) or 37 (1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* that have been imposed as a condition of consent to a development application in respect of the land.

The land is not subject to any such statement.

18 Paper subdivision information

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.
- (2) The date of any subdivision order that applies to the land.
- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

The land is not so affected.

19 Site verification certificates

A statement of whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:

- (a) the matter certified by the certificate; and
(Note. A site verification certificate sets out the Director-General's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land—see Division 3 of Part 4AA of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007)
- (b) the date on which the certificate ceases to be current (if any); and
- (c) that a copy may be obtained from the head office of the Department of Planning and Infrastructure.

The land is not subject to any such certificate.

20 Loose-fill asbestos insulation

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

The land is not so identified.

Note: The register referred to in this question is the *Loose-Fill Asbestos Insulation Register*, which is maintained by the Secretary of NSW Fair Trading.

Note: The following matters are prescribed by section 59 (2) of the *Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued;
- (b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued;
- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued;
- (d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued; and
- (e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

The land is not so affected.

Note: Section 26 of the *Nation Building and Jobs Plan (State Infrastructure Delivery) Act 2009* provides that a planning certificate must include advice about any exemption under section 23 or authorisation under section 24 of that Act if the council is provided with a copy of the exemption or authorisation by the Co-ordinator General under that Act.

The land is not so affected.

21 Affected building notices and building product rectification orders

- (1) A statement of whether there is any affected building notice of which the council is aware that is in force in respect of the land.
- (2) A statement of:
 - (a) whether there is any building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
 - (b) whether any notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.
- (3) In this clause:
affected building notice has the same meaning as in Part 4 of the *Building*

Products (Safety) Act 2017.
building product rectification order has the same meaning as in the ***Building Products (Safety) Act 2017.***

Council is not aware of an issue of a notice of intention or order pertaining to building product rectification works.

[End of information under section 10.7 (2)]

ADVICE UNDER SECTION 10.7 (5)

Note: The Council is under no obligation to furnish any of the information supplied below. Equally, it may be that not every relevant matter relating to the land is provided below. The Council draws your attention to section 10.7 (6) which states that a council shall not incur any liability in respect of any advice provided in good faith under section 10.7 (5).

Further to your application for information under section 10.7 (5), the Council has resolved to supply answers to the following questions:

A Details of any resolution of the Council to alter the zoning of the land or to alter the provisions of an environmental planning instrument applying to the land, where such an alteration has not yet been placed on exhibition under Schedule 1 Clause 4 of the Act

No Planning Proposal or draft environmental planning instrument applies to the land that has not yet been placed on public exhibition.

B Details of any provision in a local environmental plan or deemed environmental planning instrument applying to the land that

- (i) Permits any development or class of development without the need for development consent; or
- (ii) Requires development consent for any development or class of development; or
- (iii) Restricts or prohibits any development or class of development;

other than such a provision referred to in Question 2 (a) to (d) of the certificate under section 10.7 (2):

The Schedule at the end of this certificate identifies any such provisions that may apply to the land.

C Whether or not the Council has information that would indicate that the land is subject to the risk of flooding or tidal inundation for a 1% annual exceedance probability (AEP) (1 in 100 Year) event

The Council is aware of various information that suggests the land may be affected by the 1% AEP flood. The Council is unaware of the accuracy of this information, although further enquiries may be made with the Council's City Services Department in relation to this.

Note: Refer to Question 7A of the preceding certificate under section 10.7 (2) to ascertain whether or not development on the land may be subject to flood related development controls.

D Whether or not the Council has information that would indicate that the land is subject to slip or subsidence

The Council is not aware of any investigations that have been carried out.

E Details of any tree preservation order applying to the land

N/A (Repealed)

F Whether or not the land is in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan

The land is not in the vicinity of a heritage item or heritage conservation area identified in an environmental planning instrument or a proposed heritage item or proposed heritage conservation area identified in a draft local environmental plan.

G Whether or not a planning agreement entered into under Subdivision 2 of Division 7.1 of Part 7 of the Environmental Planning and Assessment Act 1979 currently applies to the land (but only if, where the Council is not a party to the agreement, information about the agreement has been provided to the Council)

No planning agreement currently applies to the land.

H Details of the Annual Noise Exposure Forecast (ANEF) applying to the land

The ANEF affectation of the land is less than 20.

Note: The ANEF level may restrict the development of the land due to the risk of exposure to aircraft noise.

[End of advice under Section 10.7 (5)]

SCHEDULE

Details of any provision in a local environmental plan or deemed environmental planning instrument applying to the land that permit without development consent, require development consent for, or restrict or prohibit, certain development or classes of development

Active street frontages – Clause 6.11 of Rockdale Local Environmental Plan 2011 requires the provision of business or retail premises on the ground floor of land identified in the Active Street Frontages Map.

Additional permitted uses for particular land – Clause 2.5 of Rockdale Local Environmental Plan 2011 allows development to be carried out, with development consent, for certain additional purposes on certain land within the City, as detailed in Schedule 1.

Airspace operations – Clause 6.4 of Rockdale Local Environmental Plan 2011 requires Council to consult with the relevant Commonwealth body on any development application that may penetrate the Obstacle Limitation Surface.

Architectural roof features – Clause 5.6 of Rockdale Local Environmental Plan 2011 permits variation to the maximum building height standards for roof features of visual interest.

Bush fire hazard reduction – Clause 5.11 of Rockdale Local Environmental Plan 2011 permits bush fire hazard reduction work authorised by the Rural Fires Act 1997 on any land without development consent.

Controls relating to miscellaneous permissible uses – Clause 5.4 of Rockdale Local Environmental Plan 2011 provides development controls for the following development types: Bed and breakfast accommodation; Home businesses; Home industries; Industrial retail outlets; Farm stay accommodation; Kiosks; Neighbourhood shops; Roadside stalls and Secondary dwellings.

Conversion of fire alarms – Clause 5.8 of Rockdale Local Environmental Plan 2011 requires development consent for the conversion of a fire alarm system that can be monitored by Fire and Rescue NSW or by a private service provider.

Demolition requires development consent – Clause 2.7 of Rockdale Local Environmental Plan 2011 requires development consent for demolition, except if it is identified as exempt development in the State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

Development below the mean high water mark – Clause 5.7 of Rockdale Local Environmental Plan 2011 requires development consent to carry out any development on land below the mean high water mark.

Development in areas subject to aircraft noise – Clause 6.4 of Rockdale Local Environmental Plan 2011 requires Council to consider the aircraft noise impacts on proposed development. See Question H of this certificate for the actual aircraft noise affectation of the land.

Development on flood prone land – Clause 6.6 of Rockdale Local Environmental Plan 2011 requires development consent for the erection of buildings or the carrying out of work for any purpose on land identified on the 'Flood Planning Area' map. Further information on whether this land may be subject to the risk of flooding is provided in Question C of the "Advice under Section 149 (5)".

Development on land intended to be acquired for public purposes – Clause 5.1A of Rockdale Local Environmental Plan 2011 specifies the permissible land uses for land that is identified for acquisition on the 'Land Acquisition Reservation Map'.

Earthworks – Clause 6.2 of Rockdale Local Environmental Plan 2011 requires development consent for excavating or filling the land to which this Certificate applies, except for excavating and filling referred to in subclause (2).

Exempt and complying development – Clause 3.1, 3.2 and Schedules 2 and 3 of Rockdale Local Environmental Plan 2011 identify the types of development that are "exempt development" and "complying development" (within the meaning of the Act).

Floor space ratio – Clause 4.4 (and supporting maps) of Rockdale Local Environmental Plan 2011 applies maximum allowable floor space ratio standards to all land within the City.

Foreshore building line – Clause 6.5 of Rockdale Local Environmental Plan 2011 applies

a foreshore building line to certain land within Zone IN2 Light Industry in Henderson Street, Turrella, which generally prohibits the erection of a building or the carrying out of a work between the foreshore building line and Wolli Creek.

Height of buildings – Clause 4.3 (and supporting maps) of Rockdale Local Environmental Plan 2011 applies maximum allowable height of building standards to all land within the City.

Heritage items, heritage conservation areas and relics – Clause 5.10 of Rockdale Local Environmental Plan 2011 requires development consent for certain activities relating to heritage items, heritage conservation areas and relics. If this land is within a heritage conservation area or contains a heritage item it will be indicated in Question 2 (g) or (h), respectively, of this certificate.

Infrastructure development and use of existing buildings of the Crown – Clause 5.12 of Rockdale Local Environmental Plan 2011 does not restrict or prohibit, or enable the restriction or prohibition of, the carrying out of any development, by or on behalf of a public authority, that is permitted to be carried out with or without development consent, or that is exempt development, under State Environmental Planning Policy (Infrastructure) 2007.

Minimum subdivision lot size – Clause 4.1 of Rockdale Local Environmental Plan 2011 sets minimum subdivision lot size for any land shown on the Lot Size Map.

Outdoor advertising – Schedule 2 of Rockdale Local Environmental Plan 2011 allows certain advertisements as exempt development.

Sex services premises – Clause 6.13 of Rockdale Local Environmental Plan 2011 provides locational and amenity assessment criteria for the various types of sex services premises, which includes brothels.

Subdivision – Clause 2.6 of Rockdale Local Environmental Plan 2011 requires development consent for the subdivision of land.

Temporary use of land – Clause 2.8 of Rockdale Local Environmental Plan 2011 allows the use of any land or building for any temporary purpose, with development consent, subject to the considerations identified in that clause.

Trees or vegetation not prescribed by development control plan – State Environmental Planning

Policy (Vegetation in Non-Rural Areas) 2017 sets out the State Government's policy which aims to:

- (a) Protect the biodiversity values of trees and other vegetation in non-rural areas of the State;
and
- (a) Preserve the amenity of non-rural areas of the State through the preservation of trees and other vegetation.

Please consult this policy document before undertaking any works to trees or other vegetation.'

Unzoned land – Clause 2.4 of Rockdale Local Environmental Plan 2011 allows development to be carried out on unzoned land, but only with consent.

[End of Schedule]

IMPORTANT NOTICE TO PURCHASERS

ALTERATIONS AND ADDITIONS TO BUILDINGS

Purchasers are reminded that it is necessary to obtain development consent from the Council prior to carrying out any building alterations or additions, including brick reskinning, replacing windows or internal alterations, or for the demolition of any building, unless the proposed work is specifically exempted by *Rockdale Local Environmental Plan 2011* or *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*. All other building work does require the Council's approval.

Should you require any information or advice for any building work that you propose to undertake please contact the Council's Customer Service Centre on 1300 581 299.



Appendix D: Site Photographs



2-4 Guess Avenue, Wolli Creek, NSW – Site Photographs



Photo 1. View of northern portion of the site, part of Lot 102, where remedial excavation had been undertaken.



Photo 2. View of western portion of the site from Mount Olympus Boulevard.



Photo 3 Façade of Nippon Truck Spares Pty Ltd main building fronting Guess Avenue, located within Lot 101.



Photo 4. Sealed area within western portion of the Lot 101. Currently used for storage of trucks and spare parts.



Photo 5. Storage of tyres, scrap metal and truck parts within sealed central eastern portion of the site.



Photo 6. View of engine test bay with oil-water separator in background.



Photo 7. View of engine cleaning area.



Photo 8. View of the oil / water separator unit.



Photo 9. View of drainage system, present within cleaning area.



Photo 10. Oil waste drum located within central portion of the site.



Photo 11. View of the UST dipping point.



Photo 12. Hydrocarbon stains observed within UST dipping point surroundings.



Photo 13. Hydrocarbon stains observed within UST dipping point surroundings.



Photo 14. Hydrocarbon stains observed onsite.



Photo 15. Oil staining and spills on concrete slab.



Photo 16. View of concrete slab. Cuts and hydrocarbon stains can be observed.



Photo 17. View of caustic bath cleaning unit located in the eastern portion of the site.

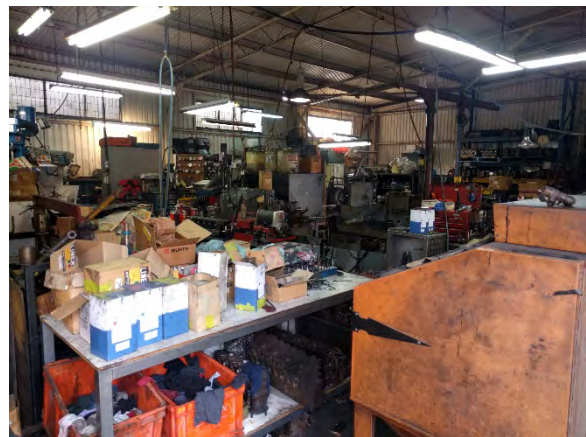


Photo 18. Inside view of workshop area located in north-east corner of the site.



Photo 19. Depot outside area.



Photo 20. Spill observed inside of the main storage building.



Photo 21. View of the painting cabinet.



Photo 22. Exhauster system of painting cabinet.



Photo 23. Location of the diesel storage tank at the entrance of the Nippon Truck Spares main building.



Photo 24. View of the diesel storage tank.



Photo 25. View of unsealed area located along western boundary of Lot 101.



Photo 26. Hydrocarbon stain located in the ornamental garden within western portion of the site.



tel: + 61 2 8252 0000

fax: + 61 3 9606 0074

enquiries@senversa.com.au

www.senversa.com.au

Level 5, The Grafton Bond Building, 201 Kent St, Sydney NSW 2000

Senversa Pty Ltd ABN 89 132 231 380

