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Preliminary Site Investigation

48 Victoria Road, Rozelle NSW

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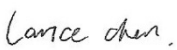	
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Revision	Details	Date	Amended By
0	Original	22 October 2021	-
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Executive Summary

Background and Objective

PMDL Architecture and Design engaged EI Australia (EI) to conduct a Preliminary Site Investigation (PSI) of the land parcel located at 48 Victoria Road, Rozelle NSW (herein referred to as the 'the site'). It is understood that the site is currently occupied by a two-level brick light commercial building with tiled roof and asphalt car park located within the northern portion of the site.

The proposed development involves alterations and additions to the existing building for use as an educational facility. The external areas to the north will involve the construction of play area with raised planting areas along the boundaries.

The site is located approximately 3.3km west of the Sydney Central Business District (CBD), as shown in **Figure 1** (**Appendix A**), covering a total area of approximate 1,400m^2, as shown in **Figure 2** (**Appendix A**). The site comprises one cadastral allotment, identified as Lot 2 in DP65961 and Lot 1 in DP82780.

Objectives

The primary objective of this PSI was to provide:

- Evaluate the potential for site contamination on the basis of historical land uses, anecdotal and documentary evidence of possible pollutant sources;
- To investigate the degree of any potential contamination by means of limited intrusive sampling and laboratory analysis, for relevant contaminants;
- Provide a conclusion regarding suitability of the site for the proposed development; and
- Where site contamination is confirmed, make recommendations for the appropriate management of any contaminated soils and/or groundwater.

Key Findings

The key findings of this PSI were as follows:

- In summary, the site was occupied by commercial structures at least since 1943 to date. The surrounding areas appeared to be used for commercial and low density residential purposes at least since 1943 to date;
- An application to access records held by City of Inner west Council was still pending at the time of report writing. Should pertinent information be identified upon receipt of Council records, an addendum to the PSI will be prepared and issued;
- A search of the contaminated land public record of EPA Notices revealed the site known as 48 Victoria Road, Rozelle NSW was not subject to any regulatory notices;
- A search through the List of NSW Contaminated Sites notified to the EPA under Section 60 of the CLM Act 1997 revealed that the site or localities in proximity (≤250 m) to the site have not been notified as contaminated to the EPA;
- Several properties within 250m of the subject site have been used as motor garages. The closest property of which was a motor garage service station located in 71 and 75 Victoria Road, Rozelle (1948-1985) neighbouring the site to the north.

- Lotsearch report confirmed that the site known as 48 Victoria Road, Rozelle NSW and surrounding lands within close proximity (within 250 m) were not subject to any licensed activities under the POEO Act 1997 except for one railway systems activities (Sydney Meteo, located 8m west to the site) and one road construction (Westconnex between the M4-M5 mainline tunnels and Rozelle, located 158m south west to the site).
- A conceptual site model (CSM), and qualitative risk assessment was produced for the site, which identified potential contaminating sources and the likelihood for relevant exposure pathways during site redevelopment;
- Soil sampling and analysis were conducted at three borehole locations within the proposed outdoor play area. Contaminant concentrations in soils within the proposed outdoor play area were found to be below the adopted human health-based criteria and ecological criteria for site land use settings; and
- Copper, nickel and zinc were reported in groundwater at concentrations marginally exceeding adopted ecological criteria (marine water). However, the concentrations of these metals are low and are typical of background quality in urban settings and presents a low human health and environmental risk.

Conclusions and Recommendation

Taking into account the above considerations and subject to the statement of limitations (**Section 11**), EI concluded that the site is suitable for proposed educational facility use. EI offer the following recommendations:

- Recommendations of the Hazardous Materials Survey (EI, 2021, ref. E25359.E10_Rev0) should be carried out during refurbishment works to the existing building.
- Surplus soil materials must classified in accordance the EPA (2014) *Waste Classification Guidelines* prior to off-site disposal and disposed of to an appropriately EPA license waste facility.
- Should unexpected contamination be identified during redevelopment an environmental consultant must be engaged to provide appropriate guidance for remediation and/or management.

1. Introduction

1.1 Background and Purpose

PMDL Architecture and Design engaged EI Australia (EI) to conduct a Preliminary Site Investigation (PSI) of the land parcel located at 48 Victoria Road, Rozelle NSW (herein referred to as the 'the site'). It is understood that the site is currently occupied by a two-level brick light commercial building with tiled roof and asphalt car park located within the northern portion of the site.

The site is located approximately 3.3km west of the Sydney Central Business District (CBD), as shown in **Figure 1 (Appendix A)**, covering a total area of approximate 1,400m^2, as shown in **Figure 2** (**Appendix A**). The site comprises one cadastral allotment, identified as Lot 2 in DP65961 and Lot 1 in DP82780.

This report was undertaken in conjunction with the Hazardous Materials Survey (EI, 2021, ref. E25359.E10_Rev).

1.2 Proposed Development

The proposed development (**Appendix B**) involves alterations and additions to the existing building for use as an educational facility. The external areas to the north will involve the construction of play area with raised planting areas along the boundaries.

1.3 Regulatory Framework

The following regulatory framework and guidelines were considered during the preparation of this report:

- ANZG (2018) Australian and New Zealand Guidelines for Fresh and Marine Water Quality;
- *Contaminated Land Management Act 1997* (the CLM Act);
- DEC (2007) Guidelines for the Assessment and Management of Groundwater Contamination;
- *State Environment Protection Policy 55* (SEPP 55) - *Remediation of Land;*
- EPA (1995) Sampling Design Guidelines;
- EPA (2017) *Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme*;
- NEPM (2013) Schedule B(1) Guideline on Investigation Levels for Soil and Groundwater;
- NEPC (2013) *Schedule B(2) Guideline on Site Characterisation*, in Amended National Environmental Protection (Assessment of Site Contamination) Measure 1999;
- EPA (2020) *Guidelines for Consultants Reporting on Contaminated Sites*;
- Leichhardt Local Environmental Plan 2013; and
- Leichhardt Development Control Plan 2015.

1.4 Project Objectives

The primary objective of this PSI was to provide:

- Evaluate the potential for site contamination on the basis of historical land uses, anecdotal and documentary evidence of possible pollutant sources;
- To investigate the degree of any potential contamination by means of limited intrusive sampling and laboratory analysis, for relevant contaminants;
- Provide a conclusion regarding suitability of the site for the proposed development; and
- Where site contamination is confirmed, make recommendations for the appropriate management of any contaminated soils and/or groundwater.

1.5 Scope of Works

1.5.1 Desktop Study

- A review of relevant (hydro)geological and soil landscape maps for the project area;
- A search of groundwater bore records within close vicinity to the site;
- A review of previous environmental reports;
- A search of historical aerial photographs obtained from Lotsearch Pty Ltd, in order to review previous site use and the historical sequence of land development in the neighbouring area;
- A search of property files archived by Inner West Council, for information relating to operational site history;
- A search of SafeWork NSW records, for information relating to the storage of hazardous chemicals, including possible underground tank approvals and locations;
- land titles search conducted through NSW Land and Property Information;
- Searches of public registers maintained by the NSW Environment Protection Authority (EPA) for statutory notices and licensing agreements issued under the *Contaminated Land Management Act 1997* and *Protection of the Environment Operations Act 1997*;
- A search of the *List of NSW Contaminated Sites Notified to the EPA*; and

1.5.2 Field Work & Laboratory Analysis

- A detailed site walkover inspection;
- Construction of test boreholes at three (3) locations distributed at northern portion of the site (proposed external landscaping for use as an educational facility);
- Construction of one (1) groundwater monitoring bores. Groundwater monitoring bores will be constructed to standard environmental protocols to investigate the potential for groundwater contamination, and migration of contaminants off-site;
- Multiple level soil sampling within fill and natural soils and one round of groundwater sampling from the four newly constructed groundwater monitoring bores; and
- Laboratory analysis of selected soil and groundwater samples for relevant analytical parameters as determined from the site history survey and field observations during the investigation programme.

1.5.3 Data Analysis and Reporting

The final task of the PSI involved the preparation of a report, completed in accordance with EPA (2020) reporting guidelines and documenting the investigation works, with discussion of the findings in regards to potential risks to human health, the environment and the aesthetic enjoyment of the land.

2. Site Description

2.1 Property Identification, Location, and Physical Setting

The site identification details and associated information are presented in **Table 2-1**, while the site locality is shown in **Figure 1 (Appendix A).**

Table 2-1 Site Identification

Attribute	Description
Street Address	48 Victoria Road, Rozelle NSW
Location Description	Approximately 3.3km west Sydney CBD, bound by: ▪ **North**: Victoria Road followed by commercial properties; ▪ **South**: Prince Street followed by residential properties; ▪ **East**: Gordon Street followed by commercial properties; and ▪ **West**: Commercial properties and residential properties.
Site Coordinates	Northern-eastern corner of site (GDA2020-MGA56): ▪ Easting: 330997.401 ▪ Northing: 6251186.996 (Source: http://maps.six.nsw.gov.au)
Site Area	Approximately 1,400m^2
Lot and Deposited Plan (DP)	▪ Lot 1 in DP 82780; and ▪ Lot 2 in DP65961
State Survey Marks	There is one State Survey (SS) marks are situated within close proximity to the site: ▪ SS25307D: on the corner of Victoria Road and Gordon Street (approximately 15m northeast) (Source: http://maps.six.nsw.gov.au).
Local Government Authority	Inner West Council
Parish	Petersham
County	Cumberland
Current Zoning	B2 – Local Centre (Leichhardt Local Environmental Plan 2013)

2.2 Local Land Use

The site is situated within a local centre area, as described in **Table 2-2**. The sensitive receptors within close proximity to the site are also identified.

Table 2-2 Local Land Use

Direction	Land Use Description	Sensitive Receptors (& distance from site)
North	Victoria Road followed by mechanic, tyre shop and medium density residential	Staff in commercial properties (approximately 15m north)

Direction	Land Use Description	Sensitive Receptors (& distance from site)
South	Prince Street followed by medium density residential properties and a church	Local residence (immediately adjacent to south)
East	Gordon Street followed by Sydney Community College	Staff in commercial properties (immediately adjacent to east) Hannan Reserve (70m east)
West	Light commercial properties and residential properties	Staff in commercial properties and local residence (immediately adjacent to west) O'Conner Reserve (35m west)

2.3 Regional Setting

Local topography, (hydro) geology and soil landscape information are summarised in **Table 2-3**.

Table 2-3 Regional Setting

Attribute	Description
Site Topography and Drainage	The site slopes to the south east, with stormwater presumed to flow southeast towards White Bay and Rozelle Bay.
Regional Geology	With reference to the 1:100 000 scale Sydney Geological Series Sheet 9130, the site is underlain by Hawkesbury Sandstone (Rh). Hawkesbury Sandstone is described as *medium to coarse-grained quartz sandstone, very minor shale and laminite lenses*. [Note: the site is located close to silty to peaty quartz sand, silt, and clay (Qha)]
Soil Landscapes	Soil Conservation Service of NSW Soil Landscapes of the Sydney 1:100,000 Sheet (Chapman and Murphy, 1989) indicates that the site overlies Gymea (tg) erosional landscape, which typically undulating to rolling rises and low hills on Hawksbury Sandstone.
Acid Sulfate Soil (ASS) Risk	With reference to Leichhardt Local Environmental Plan 2013 Acid Sulfate soil risk maps, the site is classified within a class 5 acid sulfate soils area. The 1:25 000 scale Prospect Parramatta Acid Sulfate Soils Map (2nd edition; Ref. Chapman, 1985) indicates that the site lies within the map class description of no known occurrence.
Nearest Surface Water Feature	White Bay located 600m to the east of the site and Rozelle Bay located 520m to the southeast of the site.
Anticipated Groundwater Flow Direction	Inferred to flow southeast towards White Bay & Rozelle Bay.

2.4 Site Walkover Inspection

Site observations were recorded during two walkover inspections conducted on 1 October 2021 and 14 October 2021. These are summarised below and site photographs taken during the inspection are presented in **Appendix D**.

- The site was located to the south-west of the corner of Victoria Road and Gordon Street.
- The site was occupied by a two-level brick light commercial building with tiled roof and asphalt car park located within the northern portion of the site. The surface of asphalt paved carpark was on good condition, no obvious cracks and damages were identified during the site inspection (**Photos 1, 2 and 3**).

- The building located in the southern portion appeared to be used as a school with classrooms, toilets and laboratory rooms (**Photos 4, 5, 6 and 8**).
- Chemical storage was identified under the stairs located in the eastern and western portion of the building (**Photos 7**). EI was informed that these chemical will be only used for teaching purposes in the laboratory rooms on the first floor of the building (**Photos 8**) and were reasonably stored on concrete hardstand.
- Surrounding land areas were commercial properties and low density residential. A mechanic was located approximate 30m to the north of the site and a BP service station was approximate 83m northwest to the site.
- No suspicious odours or evidence of gross contamination was observed at any part of the site during the inspection; and
- No evidence indicative of underground petroleum storage systems (UPSS) or aboveground storage tanks (AST) were observed on any parts of the site.

In summary, the site walkover inspection did not identify potential point significant sources of contamination or sources of potential contamination sources on neighbouring properties.

3. Site History and Searches

3.1 Previous Investigations

EI are unaware of any previous environmental investigations having been completed at the site.

3.2 Site Land Titles Information / Historical Aerial Review

A historical land titles search was conducted through InfoTrack on 8 October 2021. Copies of relevant documents resulting from this search are presented in **Appendix F**. A summary of all the previous and current registered proprietors (**Table 3-1**)**,** along with information obtained from the available historical aerial photographs, in relation to past potential land uses (**Table 3-2**). The historical aerial photographs reviewed as part of this PSI included:

- Six maps: 1943
- 2020 Spatial Collaboration Portal - Historical Imagery: 1930, 1951, 1960, 1971, 1986, 1998, 2005;
- Nearmap: 2012 to 2021.

Table 3-1 Summary of Historical Aerial Photography

Date of Acquisition and term held	Registered Proprietor(s) & Occupations (where documented)
Lot 1 DP 82780	
1894 to 1935	Private owner
1935 to 1940	Private owners
1940 to Date	The Trustees of the Roman Catholic Church for the Archdiocese of Sydney
Lot 2 in DP 65961	
1915 to 1931	Private owners
1931 to 1935	Private owners
1935 to 1940	Private owners
1940 to Date	The Trustees of the Roman Catholic Church for the Archdiocese of Sydney

Table 3-2 Summary of Aerial Photograph History

Aerial Photograph	Site description based on historical aerial photographs	Land use
1930	Unable to determine site condition due to low quality of aerial photo. The surrounding areas appeared to be used for commercial and residential purposes	-
1943	A commercial structure appeared to be constructed within the southern portion of the site. The surrounding areas appeared to be used for commercial and residential purposes	Commercial
1951 date	The site and its surrounding areas appeared unchanged since 1943.	Commercial

Aerial Photograph	Site description based on historical aerial photographs	Land use
1960	The site and its surrounding areas appeared unchanged since 1951.	Commercial
1971	An addition appeared to be attached to the west side of the commercial building. The surrounding areas appeared to be unchanged since 1960.	Commercial
1986 to 2021	The site and its surrounding areas appeared unchanged from 1971 to 2021	Commercial

In summary, the site was occupied by commercial structures at least since 1943 to date. The surrounding areas appeared to be used for commercial and low density residential purposes at least since 1943 to date.

3.3 Historical Business Directories

According to the historical business directories between 1950 and 1991 in Lotsearch report (**Appendix G**), surrounding land uses were mainly for commercial including local retail shops, hotels, tyre dealers, tool maker and brick manufacturers.

Several properties within 250m of the subject site have been used as motor garages. The closest property of which was a motor garage service station located in 71 and 75 Victoria Road, Rozelle (1948-1985) neighbouring the site to the north.

3.4 Council Information

An application to access records held by City of Inner west Council was still pending at the time of report writing. Should pertinent information be identified upon receipt of Council records, an addendum to the PSI will be prepared and issued.

3.5 EPA Online Records

3.5.1 Record of Notices Under Section 58 of CLM Act 1997

Lotsearch report confirmed that the site known as 48 Victoria Road, Rozelle NSW and surrounding lands within close proximity (within 250 m) were not subject to any regulatory notices relevant to the above legislation.

3.5.2 List of NSW Contaminated Sites Notified to EPA

Lotsearch report revealed that the site or localities in proximity (≤250 m) to the site have not been notified as contaminated to the EPA.

3.5.3 POEO Public Register

Lotsearch report confirmed that the site known as 48 Victoria Road, Rozelle NSW and surrounding lands within close proximity (within 250 m) were not subject to any licensed activities under the POEO Act 1997 except for one railway systems activities (Sydney Meteo, located 8m west to the site) and one road construction (Westconnex between the M4-M5 mainline tunnels and Rozelle, located 158m south west to the site).

3.6 Groundwater Bore Records and Local Groundwater Use

An online search of groundwater bores registered with WaterNSW was conducted by EI on 16 September 2021 (Ref. https://realtimedata.waternsw.com.au/water.stm). EI identified no registered bores within 500 m of the site of the site. A bore location plan and detailed information regarding the listed bores is attached in **Appendix E**.

4. Conceptual Site Model

4.1 Rationale

In accordance with NEPC (2013) *Schedule B2 – Guideline on Site Characterisation*, EI developed a conceptual site model (CSM) that assessed plausible linkages between potential contamination sources, migration pathways, and receptors. The CSM provides a framework for the review of the reliability and useability of the data collected and to identify gaps in the existing site characterisation.

4.2 Subsurface Conditions

Based on the fieldwork during this PSI, the subsurface conditions of the site were to be a fill layer over natural sand and sandstone.

4.3 Potential Contamination Sources

On the basis of the PSI findings, potential contamination sources were as follows:

- Unknown type and concentration of contaminants within imported fill soils placed at the site;
- Hazardous building materials (including potential ACM) present within the site structures;
- Weathering of exposed building structures (including, painted surfaces, metallic objects, cement-fibre sheeting etc.);
- Long-term application of pesticides onsite, particularly beneath building footprints; and
- Low-level leakage from vehicles in the car parking areas.
- Off-site sources of contamination (including motor garage & service stations to the north of the site and BP service station to the northwest of the site).

4.3.1 PFAS Assessment

EPA (2017) requires that PFAS is considered when assessing land contamination. EI use the following decision tree (**Table 4-1**) based on EnRisk (2016) for prioritising the potential for PFAS to be present on site and whether PFAS sampling of soil and groundwater is required.

Table 4-1 PFAS Decision Tree

Preliminary Screening	Probability	Justification
Did fire training occur on-site?	Low	Fire training was not expected to occur onsite.
Is an airport or fire station up gradient of or adjacent to the site? [1]	Low	Fire and Rescue NSW Balmain Fire Station is located approximate 1.2km north of the site. The risk of migration of PFAS contamination to the site is low due to long distance and regional topography.
Have “fuel” fires ever occurred on-site? (e.g. ignition of fuel (solvent, petrol, diesel, kerosene)	Low	No evidence suggests a fire occurred onsite.
Have PFAS been used in manufacturing or stored on-site? [2]	Low	PFAS contamination not expected to be associated with the specific land uses of the site.

Note 1 Runoff from fire training areas may impact surface water, sediment and groundwater.

Note 2 PFAS is used wide range of industrial processes and consumer products, including in the manufacture of non-stick cookware, specialised garments and textiles, Scotchguard™ and similar products (used to protect fabric, furniture, leather and carpets from oils and stains), metal plating and in some types of fire-fighting foam (https://www.nicnas.gov.au/chemical-information/factsheets/chemical-name/perfluorinated-chemicals-pfas)
Note 3 If medium or high probability is applicable to any of the preliminary screening questions, the site analytical suite will be optimised to include preliminary sampling and testing for PFAS in soil (ASLP Testing) and water.

4.3.2 Emerging Chemicals

The EPA uses Chemical Control Orders (CCOs) as a primary legislative tool under the EHC Act 1985 to specifically control chemicals of concern and limit their potential impact on the environment. CCOs provide the EPA a rapid and flexible mechanism for responding to emerging chemical issues. As with PFAS compounds, EI considered chemicals controlled by CCOs and other potential emerging chemicals in this PSI. This is outlined in **Table 4-2** below.

Table 4-2 Emerging or Controlled Chemicals

Chemicals of Concern (CCO or emerging)	Decision
Were aluminium smelter wastes used or stored on site (CCO, 1986)?	No
Do dioxin contaminated wastes (CCO, 1986) have the potential to impact the site? [1]	No
Were organotin products (CCO, 1989) used or stored on site? [2]	No
Were polychlorinated biphenyls (PCBs) used or PCB wastes (CCO, 1997) stored on-site? [3]	**Unlikely**
Were scheduled chemical or wastes (CCO, 2004) used or stored [4]	**Possible** *Within pesticides, if used on-site*
Are other emerging chemicals suspected? [5]	No
If Yes to any questions, has site sampling suite been optimised to include specific sampling for other chemicals of concern in soil, air and water	**Yes** *Identified in Section 4.4*

Note 1 From burning of certain chemicals, smelting or chemical manufacturing or fire on or near the site.
Note 2 From anti-fouling paints used or removed at boat and ship yards and marinas.
Note 3 From older transformer oils and electrical capacitors
Note 4 Twenty-four mostly organochlorine pesticides and industrial by-products
Note 5 Other chemicals considered as emerging e.g. 1,4 dioxane (associated with some chlorinated VOCs).

4.4 Potential Contaminants

Based on the findings of the PSI, the potential contaminants at the site are considered to be:

- Priority Metals (PM) – arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc;
- Total Recoverable Hydrocarbons (TRH);
- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX);
- Polycyclic Aromatic Hydrocarbons (PAH);
- Organochlorine and Organophosphorus Pesticides (OCP/OPP);
- Polychlorinated Biphenyls (PCB);
- Volatile organic compounds (VOCs); and
- Asbestos.

4.5 Potential Contamination in the Context of the Site

Based on available historical information (**Section 3.2 and 3.3**), the generic risks for contamination in relation to this site are outlined in **Table 4-3**.

Table 4-3 Assessment of Potential Contamination Risk

Potential Sources	Impacted Media	Potential Contaminants of Concern	Likelihood for Contamination
Importation of fill of unknown origin and quality placed at the site	Shallow soil	PM, TRH, PAH, BTEX, OC/OP pesticides, PCB and asbestos	**Low** There were no signs of significant site filling.
Hazardous building products contained in existing site structures	Building fabrics	PM, asbestos and PCB	**Medium** Given the site structures likely being constructed around 1940s hazardous building products are likely present in the existing structures and should be managed appropriately during the site redevelopment.
Weathering of exposed building fabrics, painted surfaces and metallic objects from site structures	Near surface soil	PM (lead) and asbestos	**Low** As the site consisted of a hardstand covering the majority of the site it is unlikely to have impacted site soils.
Potential contamination of site soils from previous pesticide use	Near surface soil beneath existing buildings	PM, PCB, OC/OP pesticides	**Low** If present, pesticides are expected to be limited to shallow, building footprint soils considering the nature of their application.
Potential contamination associated with vehicular parking	Soil	PM, TRH, BTEX, PAH, VOCs	**Low** Contamination, if present, is likely to be minor and generally localised to the parking areas of the site. However, no visual evidence of leaks from vehicles was noted during the site walkover and the surface condition of the carpark is in good condition, so the risk is considered low.
Off-site sources of contamination	Groundwater	PM, TRH, PAH, BTEX, VOCs	**Medium** Historical records of motor service stations were identified adjacent to the north of the site by Lotsearch.

Note 1 PM – Priority Metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, and zinc) unless otherwise indicated, TRH – Total Recoverable Hydrocarbons, PAH – Polycyclic Aromatic Hydrocarbons, BTEX – Benzene, Toluene, Ethylene and Xylene, OC/OP pesticides - Organochlorine and Organophosphorus Pesticides, PCB - Poly-chlorinated Biphenyls, VOC –Volatile Organic Compounds.

4.6 Potential Receptors

The following potential receptors of contamination from the site were identified as:

- Future site users;

- Construction / demolition workers;
- Nearest water body; and
- Users of the adjacent land.

4.7 Preliminary Conceptual Site Model

A summary of EI's CSM, identifying the potential contamination sources, exposure pathways, and human and environmental receptors, is presented in **Table 4-4**.

4.8 Data Gaps

Based on the CSM derived for the site and the qualitative assessment of risks, the following data gaps have been identified, which were considered to warrant closure by limited additional investigation:

- The presence of hazardous building materials within the existing site structures; and
- Condition of site soils and groundwater

Table 4-4 Conceptual Site Model

Potential Sources	Impacted Media	Contaminations of Potential Concern	Transport mechanism	Exposure pathway	Potential receptor
▪ Fill soils of unknown origin and quality ▪ Hazardous materials present within the site structures ▪ Historic pesticide use ▪ Spills from parked vehicles ▪ Impacts from offsite sources	Soil & Groundwater	HM, TRH, PAH, OCP, OPP, PCB, TRH and BTEX, asbestos	Disturbance of surface and subsurface soils during site redevelopment, future site maintenance and future use of the site post redevelopment	▪ Ingestion ▪ Dermal contact ▪ Inhalation of dust particulates	▪ Construction Workers ▪ Adjacent Site Users
			Atmospheric dispersion from soil to outdoor and indoor air spaces	▪ Inhalation dust particulates	
		F1 and F2 TRH, BTEX, VOCs (including chlorinated VOC)	Volatilisation of contamination from soil and groundwater and diffusion to indoor air spaces	▪ Inhalation of vapours from impacted soil	

5. Methodology

5.1 Sampling, analytical and quality plan (SAQP)

The SAQP ensures that the data collected during environmental works at the site are representative, and provide a robust basis for site assessment decisions. The SAQP includes the following:

- Data quality objectives, including a summary of the objectives of the ESA;
- Investigation methodology including media to be sampled, details of analytes and parameters to be monitored and a description of intended sampling points;
- Sampling methods and procedures;
- Field screening methods;
- Analysis Methods;
- Sample handling, preservation and storage; and
- Analytical QA/QC.

5.2 Data Quality Objectives (DQO)

In accordance with the US EPA (2006) *Data Quality Assessment* and the EPA (2017) *Guidelines for the NSW Site Auditor Scheme*, the process of developing Data Quality Objectives (DQO) was used by the EI assessment team to determine the appropriate level of data quality needed for the specific data requirements of the project. The DQO process that was applied for this assessment is documented in **Table 5-1**

Table 5-1 Summary of Project Data Quality Objectives

DQO Steps	Details
1. State the Problem Summarise the contamination problem that will require new environmental data, and identify the resources available to resolve the problem; develop a conceptual site model	Site history (**Section 3**) identified a range of contamination sources with potential to have impacted the site. Current site land use is commercial. The proposed development involves alterations and additions for use as an educational facility with external play areas and raised planting. Intrusive investigation is required to determine: ▪ Is the site suitable for the proposed outdoor play area with minimal access to soil? and ▪ Does the site pose an unacceptable risk to human and/or ecological receptors?
2. Identify the Goal of the Study (Identify the decisions) Identify the decisions that need to be made on the contamination problem and the new environmental data required to make them	Based on the objectives (**Section 1.4**), decisions that need to be made are ▪ Has enough data been collected to determine the risk of contamination at the site, including potential offsite migration of contamination? and ▪ Is the data adequate to determine suitability of the site for outdoor play use?
3. Identify Information Inputs (Identify inputs to decision) Identify the information needed to support any decision and specify which inputs require new environmental measurements	Inputs to the decision-making process include: ▪ The proposed future land use; ▪ Available site historical information; ▪ Areas of concern, identified during the site inspection prior to intrusive investigations; ▪ National and NSW EPA guidelines endorsed under the *Contaminated Land Management Act 1997*; ▪ Investigation sampling (soils and groundwater) and laboratory analysis for COPCs to verify the presence of onsite contamination and to evaluate the potential risks to sensitive receptors; and ▪ Further input to the decision will be sample collection and handling, field and laboratory QAQC and confirmation that data quality indicators (DQIs) were achieved.
4. Define the Boundaries of the Study Specify the spatial and temporal aspects of the environmental media that the data must represent to support decision	Spatial – The PSI is limited to the site boundaries (**Figure 2**) and the maximum depth of borehole advancement at each sample location. Temporal – The results will be valid on the day samples are collected and will remain valid if no changes to site use occur, and contamination (if present) does not migrate from off-site sources. Constraints of sampling requiring consideration include presence of both above and underground services / structures.

DQO Steps	Details
5. Develop the Analytic Approach (Develop a decision rule) To define the parameter of interest, specify the action level, and integrate previous DQO outputs into a single statement that describes a logical basis for choosing from alternative actions	The decision rules for the investigation are: • What are the characteristics of soil at the site? *Soil boreholes will be advanced to natural, sampled and logged to characterise underlying conditions.* • What are the characteristics of groundwater at the site? *Groundwater monitoring wells will be installed to determine physical characteristics, chemical composition of groundwater underlying the site.* • Is the site suitable for the proposed land use? *If the concentrations of contaminants in the soil and groundwater data are below the relevant health-based and ecological criteria for the intended land use; then the site will be deemed suitable for the proposed development.* • Is additional information required to determine the suitability of the site for its proposed use? *Should additional information be required as determined by the conceptual site model (CSM), then appropriate recommendations will be provided.* • Decision criteria for analytical data are defined by the Data Quality Indicators (DQI) in Table 5-2.
6. Specify Performance or Acceptance Criteria (Specify limits on decision errors) Specify the decision-maker's acceptable limits on decision errors, which are used to establish performance goals for limiting uncertainties in the data	Specific limits for this project are to be in accordance with NEPM, appropriate data quality indicators (DQIs) for assessing the useability of the data and EI standard procedures for field sampling and handling. To assess the useability of the data, pre-determined DQIs for completeness, comparability, representativeness, precision and accuracy were adopted, as presented below in **Table 5-2**. If any of the DQIs are not met, further assessment will be necessary to determine whether the non-conformance will significantly affect the useability of the data. Corrective actions may include requesting further information from samplers and/or analytical laboratories, downgrading of the quality of the data or alternatively, re-collection of samples.
7. Develop the Detailed Plan for Obtaining Data (Optimise the design for obtaining data) Identify the most resource-effective sampling and analysis design for general data that are expected to satisfy the DQOs	Site history indicates the potential for contamination to exist. To satisfy the decision rules, the intrusive investigation included: ▪ Sampling of locations across accessible parts of the site (car park in northern portion of the site), targeting potential source areas identified from site history, site walkover and observations at the site made by EI. ▪ Installation and sampling of groundwater well, to determine groundwater quality. ▪ An upper soil profile sample will be collected at each borehole location and tested for contaminants of potential concern, to assess the conditions of the fill layer, and impacts from commercial activities at ground level. Further sampling would also be carried out at deeper soil layers. Samples will be selected based on field observations (including visual and olfactory evidence, as well as soil vapour screening in headspace samples) with consideration of subsurface stratigraphy. ▪ Representative groundwater sample will be collected and analysed for groundwater characterisation. ▪ Review of the results will be undertaken to determine if further intrusive investigation (i.e. additional sampling) is warranted.

5.3 Data Quality Indicators

To ensure that the investigation data collected was of an acceptable quality, the investigation data set was assessed against the data quality indicators (DQI) outlined in **Table 5-2**, which related to both field and laboratory-based procedures. The assessment of data quality is discussed in **Section 6**.

Table 5-2 Data Quality Indicators

QA/QC Component	Data Quality Indicator(s)
Precision A quantitative measure of the variability (or reproducibility) of data	Data precision was assessed by reviewing the performance of blind field duplicate sample sets, through calculation of relative percentage differences (RPD). Data precision was deemed acceptable if RPDs were found to be less than 30%. RPDs that exceeded this range were considered acceptable where: ▪ Results were less than 10 times the limits of reporting (LOR); ▪ Results were less than 20 times the LOR and the RPD was less than 50%; or ▪ Heterogeneous materials or volatile compounds were encountered.
Accuracy A quantitative measure of the closeness of reported data to the "true" value	Data accuracy was assessed through the analysis of: ▪ Split field duplicate sample sets; ▪ Field and method blanks, analysed for the analytes targeted in the primary samples; ▪ Matrix spike and matrix spike duplicate sample sets; and ▪ Laboratory control samples.
Representativeness The confidence (expressed qualitatively) that data are representative of each medium present onsite	To ensure the data produced by the laboratory were representative of conditions encountered in the field, the following measures were taken: ▪ Blank samples run in parallel with field samples, to confirm there were no unacceptable instances of laboratory artefacts; ▪ Review of relative percentage differences (RPD) values for field and laboratory duplicates to provide an indication that the samples were generally homogeneous, with no unacceptable instances of significant sample matrix heterogeneities; and ▪ The appropriateness of collection methodologies, handling, storage, and preservation techniques was assessed to ensure/confirm there was minimal opportunity for sample interference or degradation (i.e. volatile loss during transport due to incorrect preservation / transport methods).
Completeness A measure of the amount of useable data from a data collection activity	Analytical data sets acquired during the DSI were evaluated as complete upon confirmation that: ▪ Standard operating procedures (SOPs) for sampling protocols were adhered to; and ▪ Copies of all chain of custody (COC) documentation were included and found to be properly completed. It could therefore be considered whether the proportion of "useable data" generated in the data collection activities was sufficient for the purposes of the land use assessment.
Comparability The confidence (expressed qualitatively) that data may be considered to be equivalent for each sampling and analytical event	Data sets from separate sampling episodes were required and issues of comparability were reduced through adherence to SOPs and regulator-endorsed or published guidelines and standards on each data gathering activity. In addition the data were collected by experienced samplers and NATA-accredited laboratory methodologies will be employed.

5.4 Sampling Rationale

With reference to the CSM described in **Section 4**, soil and groundwater investigation works were planned in accordance with the following rationale:

- Sampling fill and natural soils from three test bore locations located at the proposed area for outdoor play to characterise in-situ soils;
- Sampling groundwater during a single groundwater monitoring event (GME) at one monitoring well to assess for potential groundwater impacts; and
- Laboratory analysis of representative soil and groundwater samples for the identified COPC.

5.5 Assessment Criteria

The assessment criteria proposed for this project are outlined in **Table 5-3**. These were selected from available published guidelines that are endorsed by national or state regulatory authorities, with due consideration of the exposure scenario that is expected for various parts of the site, the likely exposure pathways and the identified potential receptors.

Table 5-3 Adopted Investigation Levels for Soil and Groundwater

Environmental Media	Adopted Guidelines	Rationale
Soil	NEPM, 2013 Soil HILs, EILs, HSLs, ESLs & Management Limits for TPHs	**Soil Health-based Investigation Levels (HIL)** Samples to be assessed against the NEPM 2013 HIL-A threshold for residential with garden/accessible soils, also includes childcare centres, preschools and primary school **Soil Health-based Screening Levels (HSL)** NEPM (2013) HSL A&B – Low to high density residential. **Asbestos HSLs** WADOH (2009) assessment criteria, as presented in NEPM (2013), were not adopted during this investigation. Presence / absence of asbestos (not-detected) were utilised for preliminary screening purposes. **Ecological Investigation Levels (EILs) / Ecological Screening Levels (ESLs)** EILs / ESLs were considered relevant for the retained deep soils of the site. EILs / ESLs only apply to the top 2 m (root zone). The derived EIL criteria presented by EI are based on the addition of site specific Added Contaminant Limit (ACL) criteria and the Ambient Background Concentration (ABC) for an old high traffic suburb. The adopted ESL criteria presented by EI are based on conservative coarse grained criteria. **Management Limits for Petroleum Hydrocarbons** Should the ESLs and HSLs be exceeded for petroleum hydrocarbons, soil samples will also be assessed against the NEPM 2013 *Management Limits* for the TRH fractions F1 – F4 to assess propensity for phase-separated hydrocarbons (PSH), fire and explosive hazards & adverse effects on buried infrastructure.
	CRC Care (2017) High reliability ecological criteria	**High reliability ecological criteria for Benzo(α)pyrene** The CRC Care criteria has been selected for ecological assessment of Benzo(α)pyrene due to its higher reliability than the NEPM

Environmental Media	Adopted Guidelines	Rationale
	for Benzo(α)pyrene	assessment level.
Groundwater	NEPM, 2013 GILs for Marine Waters	**Groundwater Investigation Levels (GILs) for Marine Water** NEPM 2013 provides GILs for typical, slightly-moderately disturbed aquatic ecosystems, which are based on the ANZG 2018 Trigger Values (TVs) for the 95% level of protection of aquatic ecosystems; however, the 99% TVs were applied for the bio-accumulative metals *cadmium* and *mercury*. The marine criteria were considered relevant as groundwater is expected to discharge to White Bay located 600m to the east of the site and Rozelle Bay located 520m to the southeast of the site. Due to the ANZG, 2018 criteria for petroleum hydrocarbons being below the laboratory limit of reporting, the PQL for each TRH fraction was adopted as the GIL for aquatic ecosystems, as per the guidance provided in DEC (2007) Guidelines for the Assessment *and Management of Groundwater Contamination*.
	NEPM, 2013 Groundwater HSLs for Vapour Intrusion	**Health-based Screening Levels (HSLs)** The adopted HSL A and B low to high density residential criteria presented by EI are based on conservative coarse grained criteria.
	NEPM, 2013 GILs for Drinking purposes	**Drinking Water GILs** The NEPM (2013) GILs for drinking water quality were applied for exposure scenarios where receptors may be directly exposed to groundwater, either by direct contact or accidental ingestion. These were based on the Australian Drinking Water Guidelines (NHMRC, 2016).

For the purposes of this investigation, the adopted soil assessment criteria are referred to as the Soil Investigation Levels (SILs) and the adopted groundwater assessment criteria are referred to as the Groundwater Investigation Levels (GILs). SILs and GILs are presented alongside the analytical results in the corresponding summary tables, which are discussed in **Section 7.3**.

5.6 Soil Investigation

The soil investigation works conducted at the site are described in **Table 5-4**. Test bore locations are illustrated in **Figure 2**.

Table 5-4 Summary of Soil Investigation Methodology

Activity/Item	Details
Fieldwork	The site investigation for the carpark area located in the northern portion of the site was conducted on 1 October 2021 and comprised 3 test bores. The site inspection of the building located in the southern was conducted on 14 October 2021.
Drilling Method & Investigation Depth	Test bores BH101M, BH102 and BH103 were drilled using a solid flight auger drill rig. Final bore depths ranged from 1.5 mBGL to 9 mBGL. BH101M was converted to groundwater monitoring well.

Activity/Item	Details
Soil Logging	Drilled soils were classified in the field with respect to lithological characteristics and evaluated on a qualitative basis for odour and visual signs of contamination. Soil classifications and descriptions were based on Unified Soil Classification System (USCS) and Australian Standard (AS) 4482.1-2005. Bore logs are presented in **Appendix H**.
Field Observations (including visual and olfactory signs of potential contamination)	A summary of field observations compiled during intrusive investigations is provided on borehole logs in **Appendix H**. Field observations are summarised in **Section 7.1.2**.
Soil Sampling	▪ Soil samples were collected using a dry grab method (unused, dedicated nitrile gloves) & placed into laboratory-supplied, acid-washed, solvent-rinsed glass jars. ▪ Blind field duplicates were separated from the primary samples and placed into glass jars. ▪ If any odour (hydrocarbon odour, sulfur odour or solvent odour) is identify, a small amount of duplicate will be collected from each soil samples and placed into zip-lock bag for Photo-ionisation Detector (PID) screening of volatile organic compounds (VOCs). ▪ A small amount of duplicate was separated from all fill samples and placed into a zip-lock bag for asbestos analysis.
Decontamination Procedures	Dedicated gloves were used for the collection of each sample. Sampling equipment (i.e. trowel and shovel) was decontaminated between uses by washing in a solution of potable water and Decon 90 then rinsed with potable water.
Sample Preservation	Samples were stored in a refrigerated (ice-filled) chest, whilst on-site and in transit to the laboratory. All samples were submitted and analysed within the required holding period, as documented in laboratory reports discussed in a later section.
Management of Soil Cuttings	Soil cuttings were used as backfill for completed boreholes.
Quality Control & Laboratory Analysis	Selected soil samples were submitted for analysis of previously-identified COPC by SGS Laboratories (SGS). QA/QC testing comprised intra-laboratory duplicates ('field duplicates') tested blind by SGS and an inter-laboratory field duplicate tested blind by Envirolab Services (Envirolab). All samples were transported under strict Chain-of-Custody (COC) conditions and COC certificates and laboratory sample receipt documentation were provided to EI for confirmation purposes, as discussed in **Section 6**.
Soil Vapour Screening	Screening for potential VOCs in collected soil samples was conducted using a Photo-ionisation Detector (PID) fitted with a 10.9 eV lamp.

5.7 Groundwater Investigation

The groundwater investigation works conducted at the site are described in **Table 5-5**. Monitoring well locations are illustrated in **Figure 2**.

Table 5-5 Summary of Groundwater Investigation Methodology

Activity/Item	Details
Fieldwork	Groundwater monitoring well BH101M was installed on 1 October 2021, with water level gauging, well purging, field testing, and groundwater sampling conducted on 7 October 2021.
Well Construction	One test bore was converted to groundwater monitoring well as follows: BH101M: 9 m deep, at car park area; Drilled by BG Drilling using a solid-flight auger rig. Well construction details are tabulated in **Table 7-2** and documented in the bore logs presented in **Appendix H**. The well was seated in sandstone and installed to screen across sandstone within the interval below: ▪ BH101M: 5.6 m to 8.6 mBGL.
Well Construction Standards	Well construction was in general accordance with the standards described in NUDLC, 2012 and involved the following: ▪ 50 mm, Class 18 uPVC, threaded, machine-slotted screen and casing, with slotted intervals in shallow wells set to screen to at least 500 mm above the standing water level to allow sampling of phase-separated hydrocarbon product, if present; ▪ Base and top of each well was sealed with a uPVC cap; ▪ Annular, graded sand filter was used to approximately 300 mm above top of screen interval; ▪ Granular bentonite was applied above annular filter to seal the screened interval; ▪ Drill cuttings were used to backfill the bore annulus to just below ground level;
Well Development	Well development was conducted directly following installation. This involved agitation within the full length of the water column using a dedicated, HDPE, disposable bailer, followed by removal of water and accumulated sediment using a 12V, HDPE submersible bore pump (Proactive Environmental, model Super Twister). Pumping was continued until no further reduction in suspended sediment was observed (i.e. after removal of several well volumes).
Well Gauging & Groundwater Flow Direction	Monitoring well BH101M was gauged for standing water level (SWL, depth to groundwater) prior to well purging at the commencement of the GME on 7 October 2021 and measured SWL is shown in **Table 7-2**.
Well Purging & Field Testing	GME conducted on 7 October 2021. Measured water quality data is shown in **Table 7-3**. A transparent HDPE bailer was used to visually assess for the presence PSH prior to the commencement of well purging. PSH was not detected in wells during the investigation.
Groundwater sampling	Once three consecutive field measurements were recorded for the purged waters to within ± 10% for DO, ± 3% for EC and ± 0.05 for pH, this was considered to indicate that representative groundwater quality had been achieved and final physico-chemical measurements were recorded. Groundwater samples were then collected using a transparent, dedicated, HDPE bailer. No volatile organic odours were detected during well purging or groundwater sampling.

Activity/Item	Details
Decontamination Procedure	▪ Decontamination was not required as sampling equipment was stored and transported prior to use in factory-sealed, plastic sleeves, while each bailer was dedicated to each individual well. ▪ All sample containers were supplied by the laboratory for the particular project and only opened once immediately prior to sampling. ▪ While ice was used to keep the samples cool, all melt water was continuously drained from the Esky to prevent cross-contamination of samples. ▪ The water level probe and water quality kit probes were washed in a solution of potable water and Decon 90 and then rinsed with potable water between measurements/wells.
Sample Preservation	Samples were stored in a chilled (with ice-bricks) chest, whilst on-site and in transit to the laboratory. All samples were submitted and analysed within the required holding period, as documented in laboratory reports discussed in a later section.
Quality Control & Laboratory Analysis	All groundwater samples were submitted for analysis of previously-identified COPC by SGS Laboratories (SGS). QA/QC testing comprised intra-laboratory duplicates ('field duplicates') tested blind by SGS and an inter-laboratory field duplicate tested blind by Envirolab Services (Envirolab). All samples were transported under strict Chain-of-Custody (COC) conditions and COC certificates and laboratory sample receipt documentation were provided to EI for confirmation purposes.
Sample Transport	After sampling, refrigerated sample chests were transported to SGS Australia Pty Ltd using strict Chain-of-Custody (COC) procedures. Inter-laboratory duplicate (ILD) samples were forwarded to Envirolab Services Pty Ltd (Envirolab) for QA/QC analysis. A Sample Receipt Advice (SRA) was provided by each laboratory to document sample condition upon receipt. Copies of SRA and COC certificates are presented in **Appendix J**.

6. Data Quality Assessment

The assessment of data quality is defined as the scientific and statistical evaluation of environmental data to determine if the data meets the objectives for the project (US EPA, 2006). Data quality assessment included an evaluation of the compliance of the field sampling, field and laboratory duplicates and laboratory analytical procedures and an assessment of the accuracy and precision of these data from the laboratory quality control measurements. The findings of the data quality assessment in relation to the current investigation at the site are discussed in detail in **Appendix L**.

The QC measures generated from the field sampling and laboratory analytical program are summarised in **Table 6-1**:

Table 6-1 Quality Control Process

Data Quality	Control	Conformance [Yes, Part, No]	Report Sections
Preliminaries	Data Quality Objectives established	Yes	See DQO/DQI (Section 5.2)
Field work	Suitable documentation of fieldwork observations including borehole logs, sample register, field notes, calibration forms	Yes	See Appendices (Appendix H)
Sampling Plan	Use of relevant and appropriate sampling plan (density, type, and location)	Yes	See sample rationale (Section 5.5)
	All media sampled and duplicates collected	Yes	Soil vapour not required
	Use of approved and appropriate sampling methods (soil, groundwater, air quality)	Yes	See methodology (Section 5.6 and 5.7)
	Selection of soil samples according to field PID readings (where VOCs are present)	Yes	See methodology (Section 5.6)
	Preservation and storage of samples upon collection and during transport to the laboratory	Yes	See methodology (Section 5.6 and 5.7)
	Appropriate Rinsate, Field and Trip Blanks taken	Yes	See laboratory QA (Appendix M)
	Completed field and analytical laboratory sample COC procedures and documentation	Yes	See laboratory reports (Appendix J and K)
Laboratory	Sample holding times within acceptable limits	Yes	See laboratory QA (Appendix J)
	Use of appropriate analytical procedures and NATA-accredited laboratories	Yes	See laboratory report (Appendix K)
	LOR/PQL low enough to meet adopted criteria	Yes	See laboratory Appendix M
	Laboratory blanks	Yes	See laboratory QA/QC (Appendix L)

Data Quality	Control	Conformance [Yes, Part, No]	Report Sections
	Laboratory duplicates	Yes	See laboratory QA/QC (Appendix M)
	Matrix spike (MS)	Yes	See laboratory QA/QC (Appendix M)
	Surrogates (or System Monitoring Compounds)	Yes	See laboratory QA/QC (Appendix M)
	Analytical results for replicated samples, including field and laboratory duplicates and inter-laboratory duplicates, expressed as Relative Percentage Difference (RPD)	Yes	See QA Tables Appendix L
	Checking for the occurrence of apparently unusual or anomalous results, e.g. laboratory results that appear to be inconsistent with field observations or measurements	Yes	See Appendix L.
Reporting	Report reviewed by senior staff to assess project meets desired quality, EPA guidelines and project outcomes.	Yes	See document control

6.1 Quality Overview

On the basis of the field and analytical data validation procedure employed, the overall quality of the analytical data produced for the site was considered to be of an acceptable standard for interpretive use and preparation of a conceptual site model (CSM).

7. Results

7.1 Soil Investigation Results

7.1.1 Site Geology and Subsurface Conditions

The general site geology encountered during the drilling of the soil investigation was a layer of silty sand filling overlying natural silty clayey sand and silty clay then sandstone bedrock. The geological information obtained during the investigation is summarised in **Table 7-1** and borehole logs from these works are presented in **Appendix H**.

Table 7-1 Generalised Subsurface Profile

Layer	Description	Average Depth to top & bottom of layer (mBGL)
Hardstand	Asphalt	0.0 – 0.1
Fill	FILL: Silty SAND; fine to medium grained, brown, with asphalt fragments, no odour.	0.0 – 0.8
Natural Soil	Silty SAND; fine to medium grained, brown to orange, with low to medium plasticity clay and sub-rounded to rounded gravels, no odour.	0.3 – 1.2
Bedrock	SANDSTONE; extremely weathered, pale pink and pale orange, no odour.	0.8 – 9 +

+ Termination depth of borehole

7.1.2 Field Observations and PID Results

Soil samples were obtained from the test bores at various depths ranging between 0.1 m to 1.3 mBGL. All examined soil samples were evaluated on visual signs of contamination (e.g. hydrocarbon odours, oil staining, petrochemical filming, asbestos fragments, ash, and charcoal) and the following observations were noted:

- Visual or olfactory evidence of hydrocarbon impacts were not noted at any of the borehole locations investigated during this assessment;
- Ash, charcoal or slag was not observed in examined fill soils; and
- No odour was identified in all soil samples collected.

7.2 Groundwater Investigation Results

7.2.1 Monitoring Well Construction

One groundwater monitoring well was installed onsite. Well construction details for the installed groundwater monitoring well are summarised in **Table 7-2**.

Table 7-2 Monitoring Well Construction Details

Well ID	Bore Depth (mBGL)	Screen Interval (mBGL)	Lithology Screened
BH101M	9.0	5.6-8.6	Sandstone

Notes:
Note 1 mBGL - metres below ground level.

7.2.2 Field Observations and Water Test Results

A single GME was conducted on 07 October 2021. On this date, standing water levels (SWLs) were measured within each well prior to well purging, the results of which were recorded with well purge volumes and field-based water test results. A summary of the recorded field data is presented in

Table 7-3 and copies of the completed Field Data Sheets are included in **Appendix I**.

Table 7-3 Groundwater Field Data

Well ID	SWL (mBTOC)	Purge Volume (L)	DO (mg/L)	Field pH	Field EC (µS/cm)	Temp(°C)	Redox (mV)	Odours / Turbidity
BH101M	3.50	3.0	0.00	4.89	611	22.69	202.3	None/ low

Notes:
Note 1 SWL – Standing Water Level as measured from TOC (top of well casing) prior to groundwater sampling.
Note 2 mBTOC – metres below top of well casing.
Note 3 Redox – Oxidation and reduction potential. Redox reported in Table 9-2 has been adjusted relative to standard hydrogen electrode (SHE) by adding 205 mV (field probe potential) to field reading, as advised by the test equipment manufacturer). Refer to Appendix H for field redox readings pre-adjustment.
Note 4 L – litres (referring to volume of water purged from the well prior to groundwater sample collection).
Note 5 EC – groundwater electrical conductivity as measured onsite using portable EC meter.
Note 6 µS/cm – micro Siemens per centimetre (EC units).
Note 7 DO – Dissolved Oxygen in units of milligrams per litre (mg/L).
Note 8 All groundwater parameters (pH, EC and DO) were tested on site

7.3 Laboratory Analytical Results

7.3.1 Soil Analytical Results

A summary of laboratory results showing test sample quantities, minimum/maximum analyte concentrations and samples found to exceed the SILs, is presented in **Table 7-4**. More detailed tabulations of results showing the tested concentrations for individual samples alongside the adopted soil criteria are presented in **Table B1** at the end of this report. Completed documentation used to track soil sample movements and laboratory receipt (i.e. COC and SRA forms) are copied in **Appendix J** and all laboratory analytical reports for tested soil samples are presented in **Appendix K**.

Table 7-4 Summary of Soil Analytical Results

No. of primary samples	Analyte	Min. Conc. (mg/kg)	Max. Conc. (mg/kg)	Sample locations exceeding investigation levels
Hydrocarbons				
4	Benzene	<0.1	<0.1	None
4	Toluene	<0.1	<0.1	None
4	Ethyl benzene	<1.0	<1.0	None
4	Total xylenes	<0.3	<0.3	None
4	Naphthalene	<0.1	<0.1	None
4	Total PAH	6.8	8.8	None
4	Carcinogenic PAHs	1.0	1.2	None
4	Benzo(a)pyrene	0.6	0.8	None

No. of primary samples	Analyte	Min. Conc. (mg/kg)	Max. Conc. (mg/kg)	Sample locations exceeding investigation levels
4	F1	<25	<25	None
4	F2	<25	<25	None
4	F3	<90	100	None
4	F4	<120	190	None
OCPs				
3	Total OCPs	<PQL	<PQL	None
OPPs				
3	Total OPPs	<PQL	<PQL	None
Heavy Metal				
4	Arsenic	2	4	None
4	Cadmium	<0.3	<0.3	None
4	Chromium (Total)	5.9	12	None
4	Copper	3.5	53	None
4	Lead	5	84	None
4	Mercury	<0.05	0.25	None
4	Nickel	<0.5	28	None
4	Zinc	2.1	120	None
PCBs				
3	Total PCBs	<1	<1	None
Asbestos				
3	Asbestos	No asbestos detected	No asbestos detected	No asbestos detected

Priority Metals,

With reference to **Table B1**, all priority metals concentrations were below the corresponding health-based SILs and EILs (**Section 5-5**).

PAHs

As summarised in **Table B1**, all of fill and natural soil samples tested were below the adopted health based SILs and EIL for PAHs.

TRHs including BTEX

With reference to **Table B1**, BTEX concentrations were reported below the laboratory PQL and subsequently below the adopted human health based criteria and ESLs.

OCPs, OPPs and PCBs

As illustrated in **Table B1,** the total concentrations of OCPs, OPPs and Total PCBs were reported below the laboratory PQL and the adopted human health SIL and EIL.

Asbestos

As summarised in **Table B1**, no detectable asbestos concentrations were identified in any of the tested soil samples.

7.3.2 Groundwater Analytical Results

Laboratory analytical results for groundwater samples are summarised in **Table B2**, which also include the adopted GILs. Completed documentation used to track groundwater sample movements and laboratory receipt (COC and SRA forms) are copied in **Appendix J**. Copies of the laboratory analytical reports are attached in **Appendix K**.

Table 7-5 Summary of Groundwater Analytical Results

No. of primary samples	Analyte	Concentration (µg/L)	Sample locations exceeding investigation levels
Metals			
1	As	<1	None
1	Cd	0.4	None
1	Cr	1	None
1	Cu	2	BH101M (2µg/L), (GIL Marine Water: 1.3 µg/L)
1	Pb	<1	None
1	Hg	<0.1	None
1	Ni	10	BH101M (10µg/L), (GIL Marine Water: 7 µg/L)
1	Zn	77	BH101M (77µg/L), (GIL Marine Water: 15 µg/L)
PAHs			
1	Total PAHs	<1	None
1	Benzo(α)pyrene	<0.1	None
1	Naphthalene	<0.1	None
BTEX			
1	Benzene	<0.5	None
1	Toluene	<0.5	None
1	Ethylbenzene	<0.5	None
1	o-xylene	<0.5	None
1	m/p-xylene	<1	None
TRHs			
1	F1	<50	None
1	F2	<60	None
1	F3	<500	None
1	F4	<500	None

No. of primary samples	Analyte	Concentration (µg/L)	Sample locations exceeding investigation levels
VOCs			
1	VOCs	Not detected	None

Priority Metals

With reference to **Table B2**, concentrations in excess of GIL for Marine Water were identified for groundwater sampled from monitoring well BH101M for Copper (2 µg/L), Nickel (10 µg/L) and Zinc (77 µg/L).

PAHs

As summarised in **Table B2**, concentrations of PAHs were reported below the adopted GILs.

TRHs and BTEX

As shown in **Table B2**, tested TRHs and BTEX concentrations were below the corresponding GILs.

VOCs

As shown in **Table B2**, laboratory results for VOCs were reported below the laboratory PQL.

8. Site Characterisation

8.1 Soil

Contaminant concentrations in soils were found to be below the adopted human health-based criteria and ecological criteria for site land use settings.

It should be noted that if soil require off-site disposal, these soils must be classified in accordance with the Waste Classification Guidelines (EPA, 2014) prior for off-site disposal by the appointed environmental consultant.

8.2 Groundwater Concentration

Based on the findings from the groundwater monitoring and sampling event, concentrations of tested COPCs (PAHs, BTEX, and TRH) at monitoring well BH101M were all reported below the adopted criteria (GILs).

Priority metals were reported at concentrations below adopted investigation criteria at BH101M, with the exception of copper, nickel and zinc. However, the concentrations of these metals are low and are typical of background quality in urban settings and does not present a human health and environmental risk.

8.3 Review of Conceptual Site Model

On the basis of investigation findings the CSM discussed in **Section 4** was considered to appropriately identify contamination sources, migration mechanisms and exposure pathways, as well as potential onsite and offsite receptors. Previously known data gaps, as outlined in **Section 4.4** have largely been addressed.

9. Conclusions

The property located at 48 Victoria Road, Rozelle NSW was the subject of a Preliminary Site Investigation.

The key findings of this PSI were as follows:

- The site was occupied by a two-level brick light commercial building with tiled roof and asphalt car park located within the northern portion of the site. The surface of asphalt paved carpark was on good condition, no obvious cracks and damages were identified during the site inspection.
- In summary, the site was occupied by commercial structures at least since 1943 to date. The surrounding areas appeared to be used for commercial and low density residential purposes at least since 1943 to date;
- A search of the contaminated land public record of EPA Notices revealed the site known as 48 Victoria Road, Rozelle NSW was not subject to any regulatory notices;
- A search through the List of NSW Contaminated Sites notified to the EPA under Section 60 of the CLM Act 1997 revealed that the site or localities in proximity (≤250 m) to the site have not been notified as contaminated to the EPA;
- Several properties within 250m of the subject site have been used as motor garages. The closest property of which was a motor garage service station located in 71 and 75 Victoria Road, Rozelle (1948-1985) neighbouring the site to the north.
- Lotsearch report confirmed that the site known as 48 Victoria Road, Rozelle NSW and surrounding lands within close proximity (within 250 m) were not subject to any licensed activities under the POEO Act 1997 except for one railway systems activities (Sydney Meteo, located 8m west to the site) and one road construction (Westconnex between the M4-M5 mainline tunnels and Rozelle, located 158m south west to the site).
- A conceptual site model (CSM), and qualitative risk assessment was produced for the site, which identified potential contaminating sources and the likelihood for relevant exposure pathways during site redevelopment;
- Soil sampling and analysis were conducted at three borehole locations within the proposed outdoor play area. Contaminant concentrations in soils within the proposed outdoor play area were found to be below the adopted human health-based criteria and ecological criteria for site land use settings; and
- Copper, nickel and zinc were reported in groundwater at concentrations marginally exceeding adopted ecological criteria (marine water). However, the concentrations of these metals are low and are typical of background quality in urban settings and presents a low human health and environmental risk.

Taking into account the above considerations and subject to the statement of limitations (**Section 11**), EI concluded that the site was suitable for proposed educational facility.

10. Recommendations

Based on the findings presented above, EI provide the following recommendations:

- Recommendations of the Hazardous Materials Survey (EI, 2021, ref. E25359.E10_Rev0) should be carried out during refurbishment works to the existing building.
- Surplus soil materials must classified in accordance the EPA (2014) *Waste Classification Guidelines* prior to off-site disposal and disposed of to an appropriately EPA license waste facility.
- Should unexpected contamination be identified during redevelopment an environmental consultant must be engaged to provide appropriate guidance for remediation and/or management.

11. Statement of Limitations

This report has been prepared for the exclusive use of St Aloysius College, whom is the only intended beneficiary of EI's work. The scope of the investigation carried out for the purpose of this report is limited to that agreed with St Aloysius College on 17 September 2021.

No other party should rely on this document without the prior written consent of EI, and EI undertakes no duty, or accepts any responsibility or liability, to any third party who purports to rely upon this document without EI's approval.

EI has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia, as at the date of this document. No other warranty, expressed or implied, is made or intended. Each section of this report must be read in conjunction with the whole of this report, including its appendices.

The conclusions presented in this report are based on a limited assessment of historical and current uses of the site. Due to the preliminary nature of this investigation, findings are not based on actual samples collected or testing conducted. EI has relied upon information provided by the Client and other third parties to prepare this document, some of which could not be verified by EI due to the anecdotal or historical nature of the information.

EI's professional opinions are reasonable and based on its professional judgment, experience and training.

EI's professional opinions contained in this document are subject to modification if additional information is obtained through the data searches that have been initiated with government authorities.

Technical opinions may also be amended in the light of further investigation, observations, or validation testing and analysis during remedial activities. In some cases, further testing and analysis may be required, which may result in a further report with different conclusions.

References

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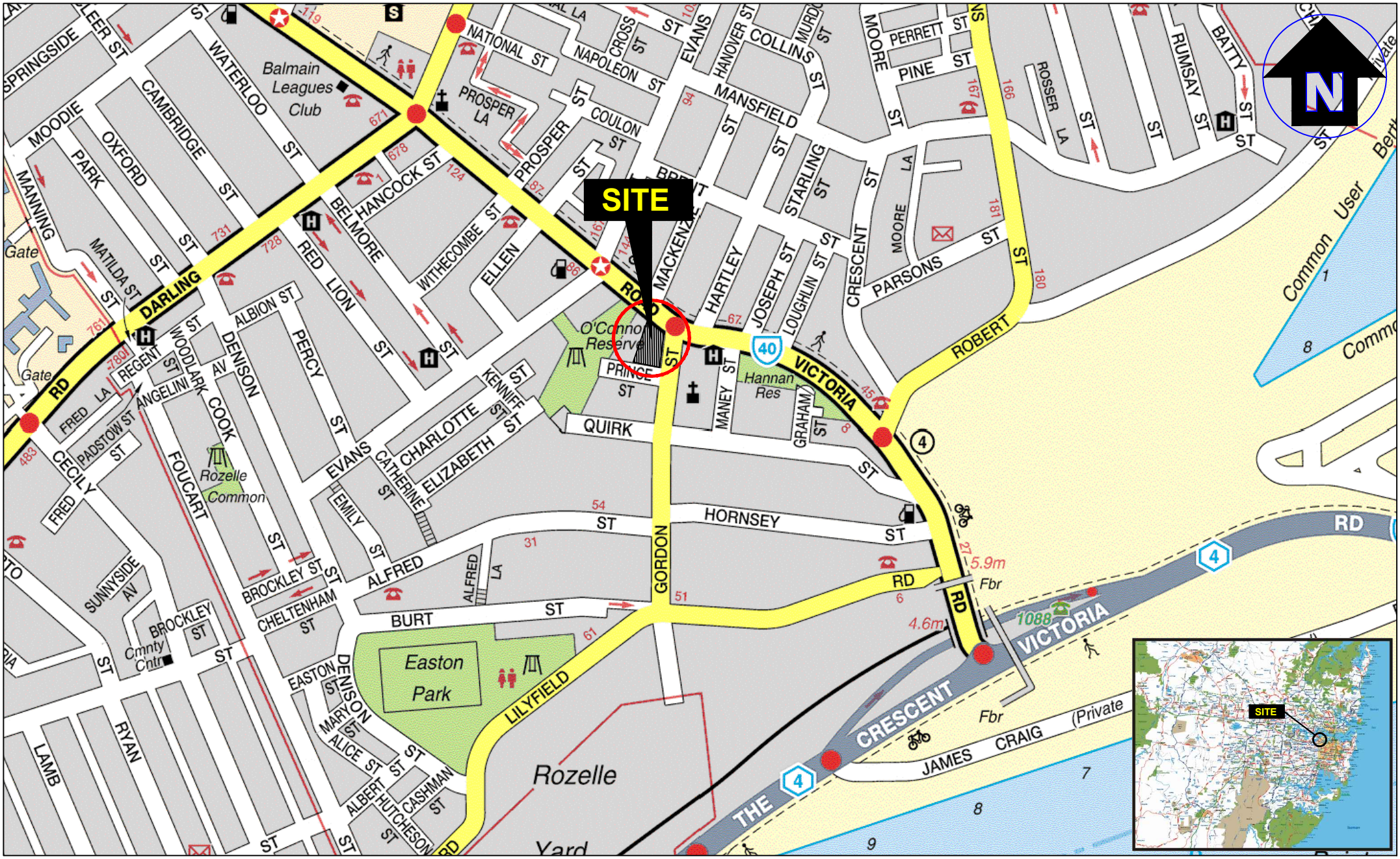
Abbreviations

ACM	Asbestos-containing materials
ASS	Acid sulfate soils
AST	Aboveground Storage Tank
B(a)P	Benzo(a)pyrene (a PAH compound), - B(a)P TEQ Toxicity Equivalent Quotient
BH	Borehole
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CLM	Contaminated Land Management
COC	Chain of Custody
COPC	Contaminants of Potential Concern
DEC	Department of Environment and Conservation, NSW (see OEH)
DECC	Department of Environment and Climate Change, NSW (see OEH)
DECCW	Department of Environment, Climate Change and Water, NSW (see OEH)
DA	Development Application
DP	Deposited Plan
EC	Electrical Conductivity
EIL	Ecological Investigation Level
EPA	Environment Protection Authority
ESL	Ecological Screening Level
F1	TRH C_6 – C_{10} less the sum of BTEX concentrations (Ref. NEPM 2013, Schedule B1)
F2	TRH >C_{10} – C_{16} less the concentration of naphthalene (Ref. NEPM 2013, Schedule B1)
HIL	Health-based Investigation Level
HSL	Health-based Screening Level
km	Kilometres
m	Metres
mAHD	Metres Australian Height Datum
mBGL	Metres Below Ground Level
mg/L	Milligrams per litre
NATA	National Association of Testing Authorities, Australia
NEPC	National Environmental Protection Council
NSW	New South Wales
OEH	Office of Environment and Heritage, NSW (formerly DEC, DECC, DECCW)
PAHs	Polycyclic Aromatic Hydrocarbons
pH	Measure of the acidity or basicity of an aqueous solution
POEO	Protection of the Environment Operations
PQL	Practical Quantitation Limit (limit of detection for respective laboratory instruments)
QA/QC	Quality Assurance / Quality Control
SRA	Sample receipt advice (document confirming laboratory receipt of samples)
TDS	Total dissolved solids (a measure of water salinity)
TPH	Total Petroleum Hydrocarbons (superseded term equivalent to TRH)
TRH	Total Recoverable Hydrocarbons (non-specific analysis of organic compounds)
UCL	Upper Confidence Limit of the mean
USEPA	United States Environmental Protection Agency
UPSS	Underground Petroleum Storage System
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds (specific organic compounds which are volatile)

Appendix A – Figures



eiaustralia Practical Solutions for Built Environments Suite 6.01, 55 Miller Street, PYRMONT 2009 Ph (02) 9516 0722 Fax (02) 9518 5088	Drawn:	L.C.	**PMDL Architecture and Design** Preliminary Site Investigation 48 Victoria Road, Rozelle NSW Site Locality Plan
	Approved:	E.W.	
	Date:	20-10-21	
	Scale:	Not To Scale	

Figure: 1

Project: E25359 E01_Rev0

LEGEND (All locations are approximate)

- Site boundary
- Borehole location
- Borehole/Monitoring well locaiton

eiaustralia
Practical Solutions for Built Environments
Suite 6.01, 55 Miller Street, PYRMONT 2009
Ph (02) 9516 0722 Fax (02) 9518 5088

Drawn:	L.C.
Approved:	E.W.
Date:	20-10-21

PMDL Architecture and Design
Preliminary Site Investigation
48 Victoria Road, Rozelle NSW

Sampling Location Plan

Figure: 2

Project: E25359 E01_Rev0

Appendix B – Proposed development plan and site survey plan

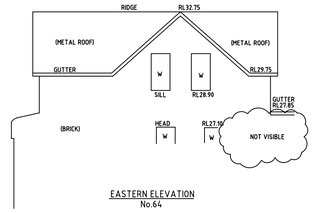
Landscape Masterplan

The design integrates organic forms to represent the pre-industrialised shorelines and ecologies in Rozelle, therefore creating an interesting contrast between the existing architecture. Design provides flexible and accessible spaces for multiple uses :

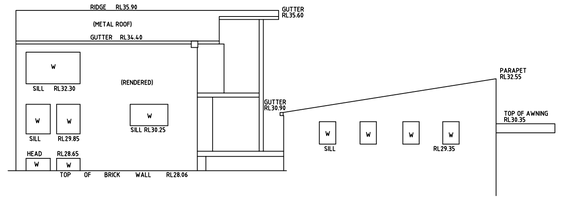
- outdoor classroom/group learning
- sports
- assembly/gathering spot
- breakout social and learning spaces
- seating for lunch break and recess

Legend

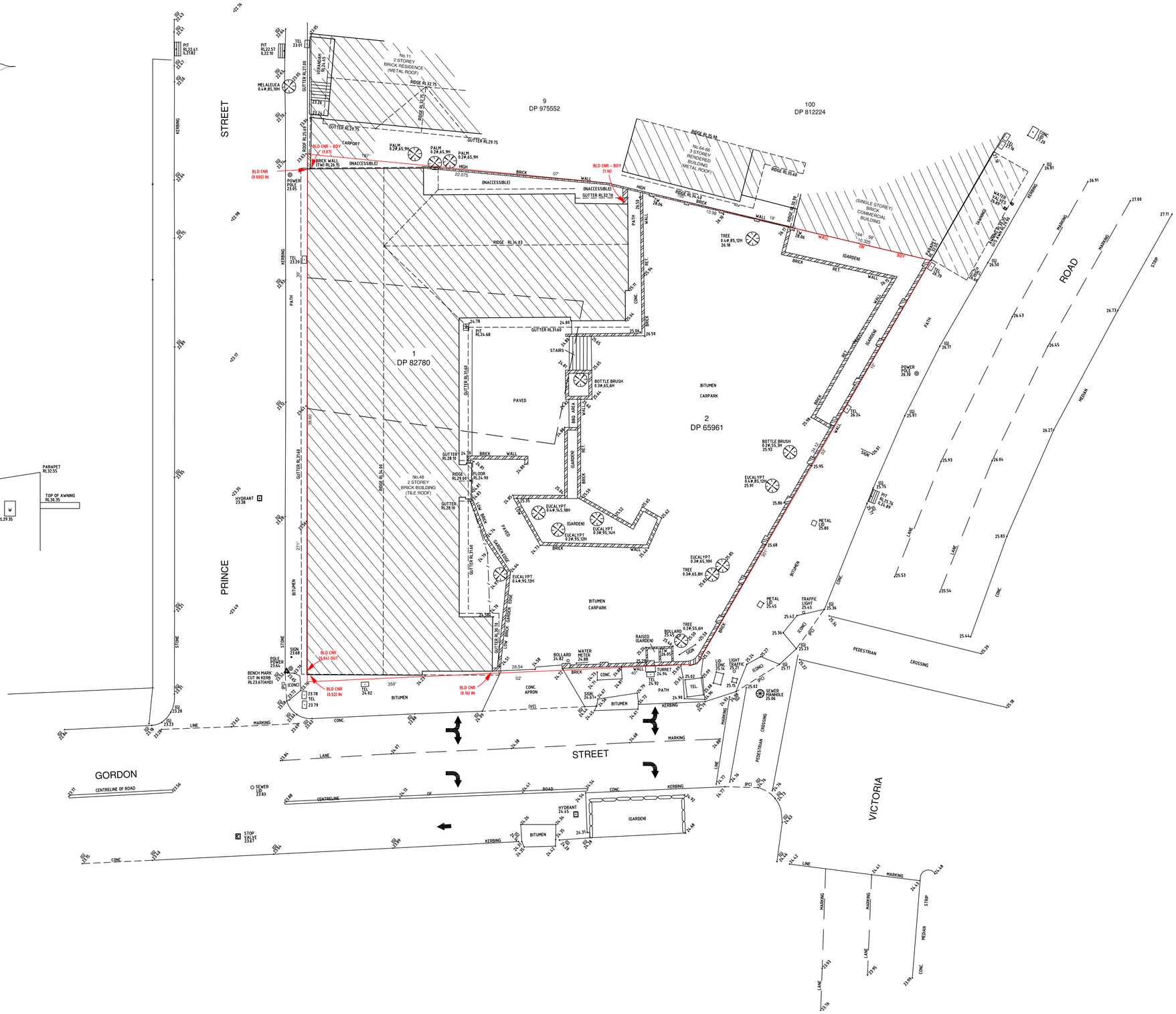
1. Terrace seating
2. Seating edge
3. Accessible ramp
4. Basketball Court
5. Handball Court
6. Storage Shed
7. Tables and chairs
8. School Entry
9. Building Entry
10. Food truck opportunity



EASTERN ELEVATION
No.64



EASTERN ELEVATION
No.11



NOTES:

1) TITLE BEARINGS AND DIMENSIONS ARE SHOWN.
2) ORIGIN OF LEVELS: SSM 69586 RL28.22 (A.H.D.) SCIMS
3) SITE COMPRISES: LOT 1 DP 65961 & LOT 2 DP 82780
4) SITE AREA 1327.1m²BY TITLE DIMENSIONS.
5) UNDERGROUND SERVICES HAVE NOT BEEN INVESTIGATED.
6) (G) DENOTES GUTTER LEVEL.
   0.3Φ10S,8H DENOTES TREE SIZE 0.3 TRUNK DIAMETER, 10 SPREAD, 8 HIGH.
   (TW) - DENOTES TOP OF WALL LEVEL.
   (VC) - DENOTES VEHICLE CROSSING.
   (PC) - DENOTES PEDESTRIAN CROSSING.
7) TREE NAMES SHOWN CONSTITUTE OUR OPINION ONLY. IF TREE SPECIES IDENTIFICATION IS IMPORTANT FOR DESIGN OR HERITAGE REASONS THEY SHOULD BE DETERMINED BY A QUALIFIED ARBORIST.

ISSUE	DATE	AMENDMENT

TITLE: PLAN SHOWING SELECTED DETAIL & LEVELS OVER No.48 VICTORIA ROAD, ROZELLE

LGA: INNER WEST		REFERENCE: 50226	
CLIENT : PMDL ARCHITECTURE & DESIGN PTY.LTD.		DATE: 20.04.21	SHEET 1
SCALE (AT A1) 1:150	DATUM : AHD	SURVEYOR: MA	

Norton Survey Partners
SURVEYORS & LAND TITLE CONSULTANTS
A.C.N. 618 980 475
SUITE 1
670 DARLING STREET
ROZELLE N.S.W. 2039
PH +61 2 9555 2744
office@nspartners.com.au

Appendix C – Tables

Table B1 - Summary of Soil Analytical results

Sample ID	Date	Heavy Metals								PAHs				BTEX				TRH				Pesticides		Total PCBs	Asbestos
		As	Cd	Cr	Cu	Pb	Hg	Ni	Zn	Carcinogenic PAHs (as B(a)P TEQ)	Benzo(a)pyrene	Total PAHs	Naphthalene	Benzene	Toluene	Ethylbenzene	Total Xylenes	F1	F2	F3	F4	OCPs	OPPs		Presence / absence
FILL																									
BH101M 0.1-0.2	1/10/2021	3	<0.3	7	53	84	0.22	26	100	1.0	0.6	6.8	<0.1	<0.1	<0.1	<0.1	<0.3	<25	<25	<90	<120	<1	<1.7	<1	No
BH102 0.1-0.2		4	<0.3	12	27	68	0.25	7.6	120	1.0	0.7	7.7	<0.1	<0.1	<0.1	<0.1	<0.3	<25	<25	<90	<120	<1	<1.7	<1	No
BH103 0.1-0.2		3	<0.3	7.1	43	57	0.2	18	50	1.2	0.8	8.8	<0.1	<0.1	<0.1	<0.1	<0.3	<25	<25	<90	<120	<1	<1.7	<1	No
NATURAL																									
BH102 1.2-1.3	1/10/2021	2	<0.3	5.9	3.5	5	<0.05	<0.5	2.1	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.3	<25	<25	<90	<120	N.A.	N.A.	N.A.	NA
Statistical Analysis																									
Maximum concentration		4	<0.3	12	53	84	0.25	26	120	1.2	0.8	8.8	<0.1	<0.1	<0.1	<0.1	<0.3	<25	<25	<90	<120	<1	<1.7	<1	No
SILs																									
HIL A - Residential with garden / accessible soil		100	20	100 Cr(VI)	6,000	300	40	400	7,400	3		300										240		1	
HSL A & B - Low to high density residential Soil texture classification – SAND [1]		Source depths (0 m to <1 m. BGL)											0.5	0.5	160	55	40	45	110						Presence / Absence
		Source depths (1 m to <2 m. BGL)											NL	0.5	220	NL	60	70	240						
		Source depths (2m to <4 m. BGL)											NL	0.5	310	NL	95	110	440						
		Source depths (4 m+)											NL	0.5	540	NL	170	200	NL						
EILs / ESLs - Residential [2 3]		100		205	90	1260		35	190				170	50	85	70	105	180	120	300	2800	180			
CRC Care - High Reliability Ecological Criteria for Benzo(a)pyrene											33														
Management Limits – *Residential, parkland and public open space* coarse grained soil texture[1]																		700	1000	2500	10000				

Notes: All results are recorded in mg/kg (unless otherwise stated)

	Highlighted values indicates concentration exceeds Human Health Based Soil Criteria (HIL A / HSL A&B)
	Highlighted values indicates concentration exceeds Ecological Investigation Level (EIL)/Ecological Screen Level (ESL)□
	Highlighted indicates criteria exceeded

HIL A	NEPM 2013 'HIL A' - Residential with garden/accessible soil also includes childcare centres, preschools and priminary school.
HSL A&B	NEPM 2013 'HSL A&B' Health Based Screening Levels for low to high density residential.
N.A.	'Not Analysed' i.e. the sample was not analysed.
NL	'Not Limiting' - The soil vapour limit exceeds the soil concentration at which the pore water phase cannot dissolve any more of the individual chemical.
1	Coarse Grained soil (Sand) values were applied.
2	Fill was found to be sand material. Therefore soil values for the sand was applied (coarse grained).
3	As no physiochemical properties were analysed the conservative values were adopted for EILs.
F1	To obtain F1 subtract the sum of BTEX concentrations from the C6-C10 fraction.
F2	To obtain F2 subtract Naphthalene from the >C10-C16 fraction.
F3	(>C16-C34)
F4	(>C34-C40)

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Table B2 – Summary of Groundwater Investigation Results

Sample Identification		Date	Heavy Metals								PAHs			BTEX				VOCs	TRHs			
			As	Cd	Cr	Cu	Pb	Hg	Ni	Zn	Total PAHs	Benzo(a)pyrene	Naphthalene	Benzene	Toluene	Ethylbenzene	xylene		F1	F2	F3	F4
BH101M		7/10/2021	<1	0.4	1	2	<1	<0.1	10	77	<1	<0.1	<0.1	<0.5	<0.5	<0.5	<1.5	<PQL	<50	<60	<500	<500
GILs																						
HSL A&B [4]													NL	0.8	NL	NL	NL		1	2		
GIL	**Marine Water** [3]			0.7	4.4(Cr IV)	1.3	4.4	0.1 [2]	7	15 [1]			50 [1]	500 [1]	180 [6]	5 [6]			50 [5]	60 [5]	500 [5]	500 [5]
Drinking Water [7]			1000	200	5000	200000	1000	100	2000					100	80000	30000	60000					

Notes:

All values are µg/L unless stated otherwise

NL = Not Limiting

ND = Not Detected

NA = 'Not Analysed' i.e. the sample was not analysed.

F1 To obtain F1 subtract the sum of BTEX concentrations from the C6-C10 fraction.

F2 To obtain F2 subtract naphthalene from the >C10-C16 fraction.

F3 (>C16-C34)

F4 (>C34-C40)

1 = Figure may not protect key species from chronic toxicity, refer to ANZG 2018 for further guidance

2 = Chemical for which possible bioaccumulation and secondary poisoning effects should be considered, refer to ANZG 2018 for further guidance

3 = NEPM (2013) Groundwater Investigation Levels for marine water quality, based on ANZG 2018.

4 = NEPM (2013) Table 1A(4) Groundwater HSL A and B for vapour intrusion at the contaminant source depth ranges in clay 2m to <4m, as a conservative approach.

5 = In lack of a criteria the laboratory PQL has been used (DEC, 2007).

6 = Low reliability toxicity data, refer to ANZG 2018

7 = Drinking Water value has been used multiplied by a factor of 100 to address the secondary contact recreation (NHMRC, 2016).

Highlighted Indicates concentration value exceeding the Groundwater Investigation Level for Marine Water

Highlighted indicates criteria exceeded

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Appendix D – Site Photographs

Photograph 1: Car park located within the northern portion of the site, facing east (01-10-2021).

Photograph 2: Car park located within the northern portion of the site, facing west (01-10-2021).

Photograph 3: Corridor located on the ground floor of the building located in the southern portion of the site (14-10-2021)

Photograph 4: Toilet in the building located in the southern portion of the site (14-10-2021)

Photograph 5: Classroom located on the first floor of the building located in the southern portion of the site (14-10-2021)

Photograph 6: Chemical storage identified on the ground floor of the building (14-10-2021)

Photograph 7: laboratory classroom located on the first floor of the building (14-10-2021)

Appendix E – Groundwater Bore Search

State Overview
State Overview

Rivers and Streams
favourites | search | download sites | find a site
⊞ Real Time Data - Rivers And Streams

Daily River Reports
⊞ Daily River Reports

Dams
favourites | search | download sites | find a site
⊞ Real Time Data - Major Dams

Groundwater (Telemetered data)
favourites | search | download sites | find a site
⊞ Real Time Data - Bores

All Groundwater Site details
search | download sites | find a site
search by licence

⊟ All Groundwater Map
⊞ North Coast Region
⊞ Hunter Region
⊞ Greater Sydney Region
⊞ South Coast Region
⊞ Northwest Region
⊞ Central West Region
⊞ Southwest Region
⊞ Far West Region
⊞ Great Artesian Basin
⊞ Coal Basins
⊞ Entire State

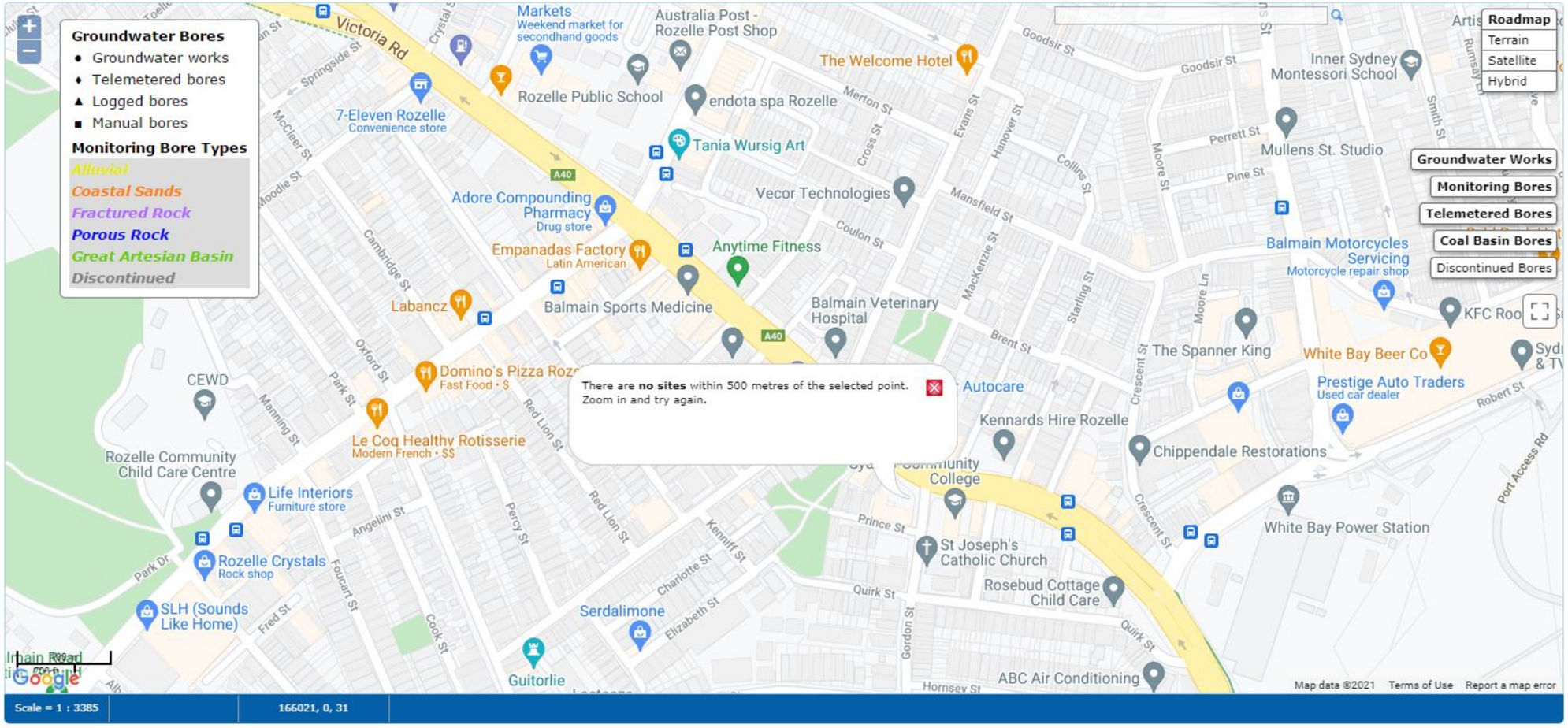
All Groundwater Site Details » All Groundwater Map

GREATER SYDNEY REGION

bookmark this page

All data times are Eastern Standard Time

Map



Appendix F – Historical Properties Titles

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

Summary of Owners Report

Address: 48 Victoria Road, Rozelle, NSW

Description: - Lot 1 D.P. 82780 & Lot 2 D.P. 65961

As regards to Lot 1 D.P. 82780: -

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
24.09.1894 (1894 to 1935)	James McLean (Iron Moulder)	Book 545 No. 260
24.10.1935 (1935 to 1940)	The Most Reverend Michael Kelly (Roman Catholic Archbishop) The Most Reverend Michael Sheehan (Coadjutor Archbishop) The Very Reverend Thomas Phelan (Clerk in Holy Waters) The Reverend Gerald Bartlett (Clerk in Holy Waters)	Book 1733 No. 881 Now Volume 4877 Folio 72
26.08.1940 (1940 to Date)	# The Trustees of the Roman Catholic Church for the Archdiocese of Sydney	Volume 4877 Folio 72 Now 1/82780

 # Denotes current registered proprietor

Leases, excluding premises: -

- 21.12.1987 (X270517): Lease to Miller Milston and Ferris (Engineers) Pty. Limited. Expires 06.11.1992 with and option of renewal for 5 years.
- Various leases were found between 27.12.1992 to 14.04.2004 that have since been surrendered or expired by effluxion of time.

Easements: - NIL

As regards to Lot 2 D.P. 65961: -

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
06.05.1915 (1915 to 1931)	Henry Brisbane Swann (Timber Merchant) Alfred George Crump (House Decorator)	Volume 2572 Folio 177
03.07.1931 (1931 to 1935)	Lancelot Thomas Crane (Departmental Manager) Frederick William Beehad (Solicitor)	Volume 2572 Folio 177
31.10.1935 (1935 to 1940)	The Most Reverend Michael Kelly (Roman Catholic Archbishop) The Most Reverend Michael Sheehan (Coadjutor Archbishop) The Very Reverend Thomas Phelan (Clerk in Holy Waters) The Reverend Gerald Bartlett (Clerk in Holy Waters)	Volume 2572 Folio 177
26.08.1940 (1940 to Date)	# The Trustees of the Roman Catholic Church for the Archdiocese of Sydney	Volume 2572 Folio 177 Now 2/65961

 # Denotes current registered proprietor

Continued Over.

ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

Leases, excluding premises: -

- 21.12.1987 (X270517): Lease to Miller Milston and Ferris (Engineers) Pty. Limited. Expires 06.11.1992 with and option of renewal for 5 years.
- Various leases were found between 27.12.1992 to 14.04.2004 that have since been surrendered or expired by effluxion of time.

Easements: - NIL

Yours Sincerely
Taylor Wilson
8th October 2021

Cadastral Records Enquiry Report : Lot 1 DP 82780

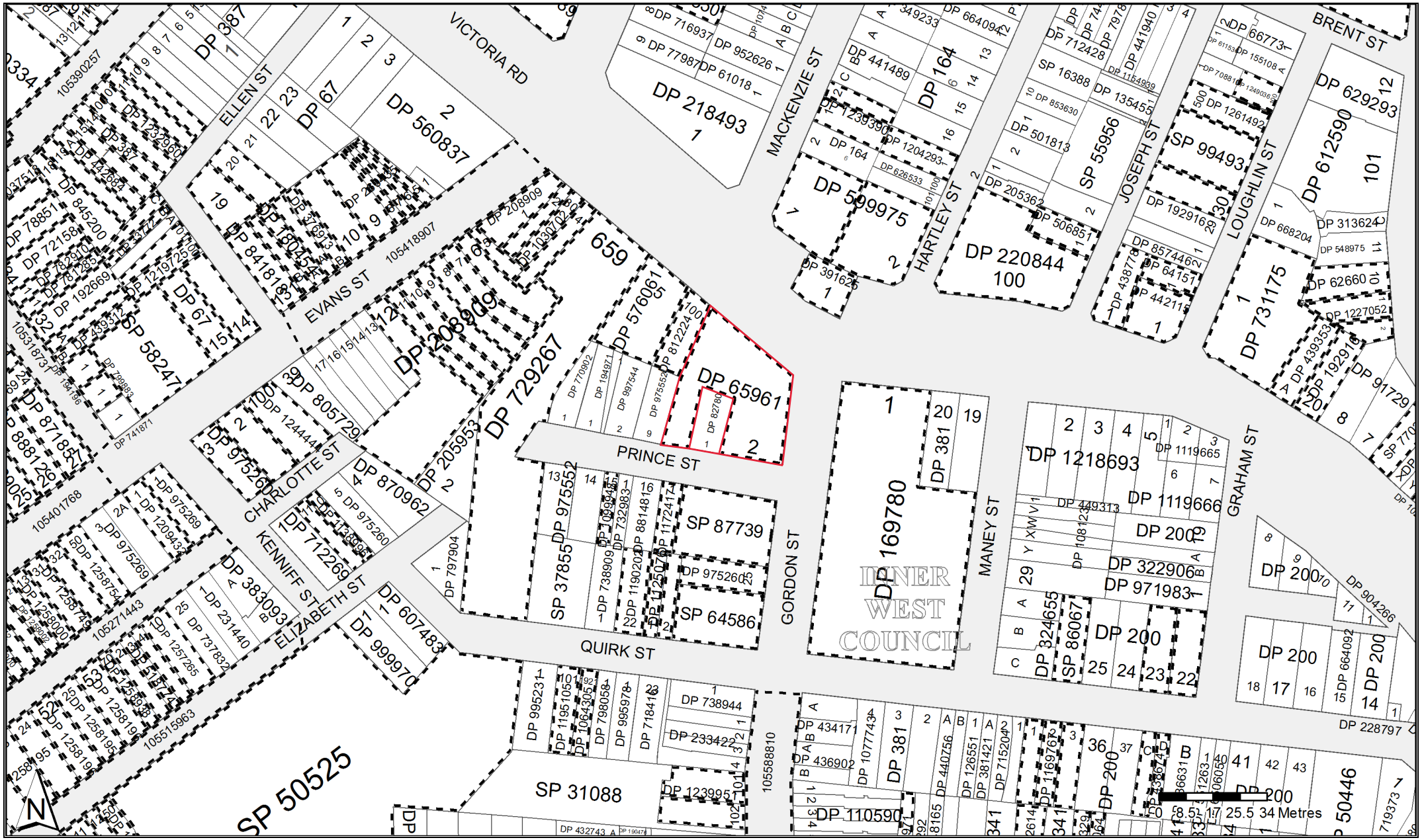
Ref : 48 Victoria Road, Rozelle

Locality : ROZELLE

Parish : PETERSHAM

LGA : INNER WEST

County : CUMBERLAND



	Status	Surv/Comp	Purpose
DP67			
Lot(s): 10			
DP1277144	REGISTERED	COMPILATION	RESUMPTION OR ACQUISITION
Lot(s): 14, 15, 19, 20			
DP1276782	REGISTERED	COMPILATION	RESUMPTION OR ACQUISITION
DP200			
Lot(s): 22, 23			
DP1183388	REGISTERED	SURVEY	EASEMENT
DP387			
Lot(s): 10, 11, 14, 15 Section : 1			
DP1272271	REGISTERED	COMPILATION	ROADS ACT, 1993
DP33772			
Lot(s): B, C			
DP1272240	REGISTERED	COMPILATION	ROADS ACT, 1993
DP62660			
Lot(s): 10			
DP1277216	REGISTERED	COMPILATION	RESUMPTION OR ACQUISITION
DP64151			
Lot(s): 1			
DP1277149	REGISTERED	COMPILATION	RESUMPTION OR ACQUISITION
DP65961			
Lot(s): 2			
DP1277145	REGISTERED	COMPILATION	RESUMPTION OR ACQUISITION
DP72158			
Lot(s): 34			
DP1272218	REGISTERED	COMPILATION	ROADS ACT, 1993
DP78851			
Lot(s): 35			
DP1272218	REGISTERED	COMPILATION	ROADS ACT, 1993
DP81290			
Lot(s): 25			
DP1259169	REGISTERED	COMPILATION	ROADS ACT, 1993
NSW GAZ. 05-06-2020 Folio : 2298 ACQUIRED FOR THE PURPOSES OF THE ROADS ACT, 1993 LOTS 9 AND 14 DP1259169 (STRATUM LOTS)			
DP87185			
Lot(s): 27			
DP1272268	REGISTERED	COMPILATION	ROADS ACT, 1993
DP88812			
Lot(s): 26			
DP1259168	REGISTERED	COMPILATION	ROADS ACT, 1993
NSW GAZ. 05-06-2020 Folio : 2298 ACQUIRED FOR THE PURPOSES OF THE ROADS ACT, 1993 LOTS 3 AND 5 DP1259168 (STRATUM LOTS)			
DP158589			
Lot(s): B, C			
DP1259169	REGISTERED	COMPILATION	ROADS ACT, 1993
Lot(s): B			
CA102666 - LOT 1 DP1105035			
NSW GAZ. 05-06-2020 Folio : 2298 ACQUIRED FOR THE PURPOSES OF THE ROADS ACT, 1993 LOTS 7 AND 12 DP1259169 (STRATUM LOTS)			
Lot(s): C			
NSW GAZ. 05-06-2020 Folio : 2298 ACQUIRED FOR THE PURPOSES OF THE ROADS ACT, 1993 LOTS 8 AND 13 DP1259169 (STRATUM LOTS)			
DP169780			
Lot(s): 1			
DP1183388	REGISTERED	SURVEY	EASEMENT
DP180454			
Lot(s): A, B			
DP1277144	REGISTERED	COMPILATION	RESUMPTION OR ACQUISITION

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
8/10/2021 4:50PM

FOLIO: 1/82780

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 4877 FOL 72

Recorded	Number	Type of Instrument	C.T. Issue
22/12/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
20/3/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
17/12/1992	E984515	LEASE	EDITION 1
28/11/1997	3622002	LEASE	EDITION 2
14/4/2004	AA562781	LEASE	EDITION 3
18/12/2008	AE400695	LEASE	EDITION 4
22/9/2009	AE978415	SUB-LEASE	
22/9/2009	AE978416	SUB-LEASE	
22/9/2009	AE978417	SUB-LEASE	

*** END OF SEARCH ***

Received: 08/10/2021 16:50:02

Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/82780

SEARCH DATE	TIME	EDITION NO	DATE
8/10/2021	4:49 PM	4	18/12/2008

LAND

LOT 1 IN DEPOSITED PLAN 82780
LOCAL GOVERNMENT AREA INNER WEST
PARISH OF PETERSHAM COUNTY OF CUMBERLAND
TITLE DIAGRAM DP82780

FIRST SCHEDULE

THE TRUSTEES OF THE ROMAN CATHOLIC CHURCH FOR THE ARCHDIOCESE OF SYDNEY (AP C936274)

SECOND SCHEDULE (2 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 AE400695 LEASE TO AGRISEARCH ANALYTICAL PTY LIMITED 48 VICTORIA ROAD ROZELLE. EXPIRES: 31/5/2013. OPTION OF RENEWAL: FIVE YEARS.

* AE978415 LEASE OF LEASE AE400695 TO CATHERINE KELLY OF SUITE 1, 48 VICTORIA RD, ROZELLE. EXPIRES: 31/5/2010. OPTION OF RENEWAL: 2 YEARS.

* AE978416 LEASE OF LEASE AE400695 TO BURRELL THRELFO PAGAN PTY LIMITED OF SUITE 2, 48 VICTORIA RD, ROZELLE. EXPIRES: 31/5/2010. OPTION OF RENEWAL: 2 YEARS.

* AE978417 LEASE OF LEASE AE400695 TO EMILY CHANG OF SUITE 3, 48 VICTORIA RD, ROZELLE. EXPIRES: 30/5/2013. OPTION OF RENEWAL: 4 YEARS & 364 DAYS.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

Received: 08/10/2021 16:49:28

Historical Title

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE
8/10/2021 4:50PM

FOLIO: 2/65961

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 2572 FOL 177

Recorded	Number	Type of Instrument	C.T. Issue
21/8/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
19/9/1990		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
17/12/1992	E984515	LEASE	EDITION 1
13/8/1993		AMENDMENT: LOCAL GOVT AREA	
28/11/1997	3622002	LEASE	EDITION 2
14/4/2004	AA562781	LEASE	EDITION 3
18/12/2008	AE400695	LEASE	EDITION 4
22/9/2009	AE978415	SUB-LEASE	
22/9/2009	AE978416	SUB-LEASE	
22/9/2009	AE978417	SUB-LEASE	
13/8/2015	AJ726473	DEPARTMENTAL DEALING	
1/9/2021	DP1277145	DEPOSITED PLAN	

*** END OF SEARCH ***

Received: 08/10/2021 16:50:03

LAND REGISTRY SERVICES Title Search

NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 2/65961

SEARCH DATE	TIME	EDITION NO	DATE
8/10/2021	4:49 PM	4	18/12/2008

LAND

LOT 2 IN DEPOSITED PLAN 65961
LOCAL GOVERNMENT AREA INNER WEST
PARISH OF PETERSHAM COUNTY OF CUMBERLAND
TITLE DIAGRAM DP65961

FIRST SCHEDULE

THE TRUSTEES OF THE ROMAN CATHOLIC CHURCH FOR THE ARCHDIOCESE OF SYDNEY (AP C936274)

SECOND SCHEDULE (4 NOTIFICATIONS)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
2 L578270 RESTRICTION ON USER (S 27E (6) MAIN ROADS ACT, 1924) LOT 1 DP533286
3 AE400695 LEASE TO AGRISEARCH ANALYTICAL PTY LIMITED 48 VICTORIA ROAD ROZELLE. EXPIRES: 31/5/2013. OPTION OF RENEWAL: FIVE YEARS.
* AE978415 LEASE OF LEASE AE400695 TO CATHERINE KELLY OF SUITE 1, 48 VICTORIA RD, ROZELLE. EXPIRES: 31/5/2010. OPTION OF RENEWAL: 2 YEARS.
* AE978416 LEASE OF LEASE AE400695 TO BURRELL THRELFO PAGAN PTY LIMITED OF SUITE 2, 48 VICTORIA RD, ROZELLE. EXPIRES: 31/5/2010. OPTION OF RENEWAL: 2 YEARS.
* AE978417 LEASE OF LEASE AE400695 TO EMILY CHANG OF SUITE 3, 48 VICTORIA RD, ROZELLE. EXPIRES: 30/5/2013. OPTION OF RENEWAL: 4 YEARS & 364 DAYS.
* 4 L578270 RESTRICTION AS TO USER (S.27E(6) MAIN ROADS ACT, 1924) AS REGARDS PART BEING LOT 1 IN DP533286.

NOTATIONS

DP1277145 PLAN OF ACQUISITION (RAILWAY PURPOSES)(SUBSURFACE STRATUM)

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

Appendix G – Lotsearch Report

LOTSEARCH

LOTSEARCH ENVIRO LITE

Date: 01 Oct 2021 17:04:45

Reference: LS024845 EL

Address: 48 Victoria Road, Rozelle, NSW 2039

Dataset Listing

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

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Finance, Services & Innovation	20/08/2021	20/08/2021	Quarterly	-	-	-	-
Topographic Data	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	08/09/2021	08/09/2021	Monthly	1000m	0	0	5
Contaminated Land Records of Notice	Environment Protection Authority	06/09/2021	06/09/2021	Monthly	1000m	0	0	6
Former Gasworks	Environment Protection Authority	11/08/2021	11/10/2017	Quarterly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	12/05/2021	07/03/2017	Annually	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	15/02/2021	13/07/2012	Annually	1000m	0	1	5
EPA PFAS Investigation Program	Environment Protection Authority	27/09/2021	28/04/2021	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	28/09/2021	28/09/2021	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	28/09/2021	28/09/2021	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	06/09/2021	06/09/2021	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	19/08/2021	19/08/2021	Quarterly	2000m	0	0	1
EPA Other Sites with Contamination Issues	Environment Protection Authority	02/02/2021	13/12/2018	Annually	1000m	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	27/09/2021	27/09/2021	Monthly	1000m	0	1	10
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	27/09/2021	27/09/2021	Monthly	1000m	0	0	2
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	27/09/2021	27/09/2021	Monthly	1000m	0	0	9
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	100m	0	473	473
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	100m	-	201	201
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	250m	0	52	86
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	250m	-	46	55
Points of Interest	NSW Department of Finance, Services & Innovation	19/08/2021	19/08/2021	Quarterly	1000m	0	5	156
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	0
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/08/2021	19/08/2021	Quarterly	1000m	0	0	0
Major Easements	NSW Department of Finance, Services & Innovation	19/08/2021	19/08/2021	Quarterly	1000m	0	0	3
State Forest	Forestry Corporation of NSW	25/02/2021	14/02/2021	Annually	1000m	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	22/01/2021	11/12/2020	Annually	1000m	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000m	1	1	1
Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018	NSW Department of Planning, Industry and Environment	26/10/2020	21/02/2018	Annually	1000m	0	0	0
Groundwater Boreholes	NSW Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology)	24/07/2018	23/07/2018	Annually	2000m	0	0	30

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Geological Units 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		Annually	1000m	1	1	3
Geological Structures 1:100,000	NSW Department of Planning, Industry and Environment	20/08/2014		Annually	1000m	0	0	1
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000m	1	1	1
Soil Landscapes of Central and Eastern NSW	NSW Department of Planning, Industry and Environment	14/10/2020	27/07/2020	Annually	1000m	1	1	3
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	19/08/2021	28/06/2021	Monthly	500m	1	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	1	1	2
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000m	0	0	0
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	19/08/2021	05/08/2021	Quarterly	1000m	0	0	0
Current Mining Titles	NSW Department of Industry	28/09/2021	28/09/2021	Monthly	1000m	0	0	0
Mining Title Applications	NSW Department of Industry	28/09/2021	28/09/2021	Monthly	1000m	0	0	0
Historic Mining Titles	NSW Department of Industry	28/09/2021	28/09/2021	Monthly	1000m	12	12	12
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	19/08/2021	07/12/2018	Monthly	1000m	0	0	1
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	19/08/2021	13/08/2021	Monthly	1000m	1	10	71
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	18/05/2021	20/11/2019	Annually	1000m	0	0	1
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	19/08/2021	25/06/2021	Quarterly	1000m	0	0	5
Environmental Planning Instrument Local Heritage	NSW Department of Planning, Industry and Environment	19/08/2021	13/08/2021	Monthly	1000m	0	4	170
Bush Fire Prone Land	NSW Rural Fire Service	27/09/2021	23/08/2021	Weekly	1000m	0	0	0
Native Vegetation of the Sydney Metropolitan Area	NSW Office of Environment & Heritage	01/03/2017	16/12/2016	As required	1000m	0	1	3
Ramsar Wetlands of Australia	Australian Government Department of Agriculture, Water and the Environment	24/02/2021	19/03/2020	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Annually	1000m	0	0	0
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000m	0	0	0
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	27/09/2021	27/09/2021	Weekly	10000m	-	-	-

Site Diagram

48 Victoria Road, Rozelle, NSW 2039

Legend

- Site Boundary
- Internal Parcel Boundaries

Total Area: 1323m²

Total Perimeter: 148m

Disclaimers:

Measurements are approximate only and may have been simplified or smaller lengths removed for readability.

Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.

Scale:

0 5 10
Meters

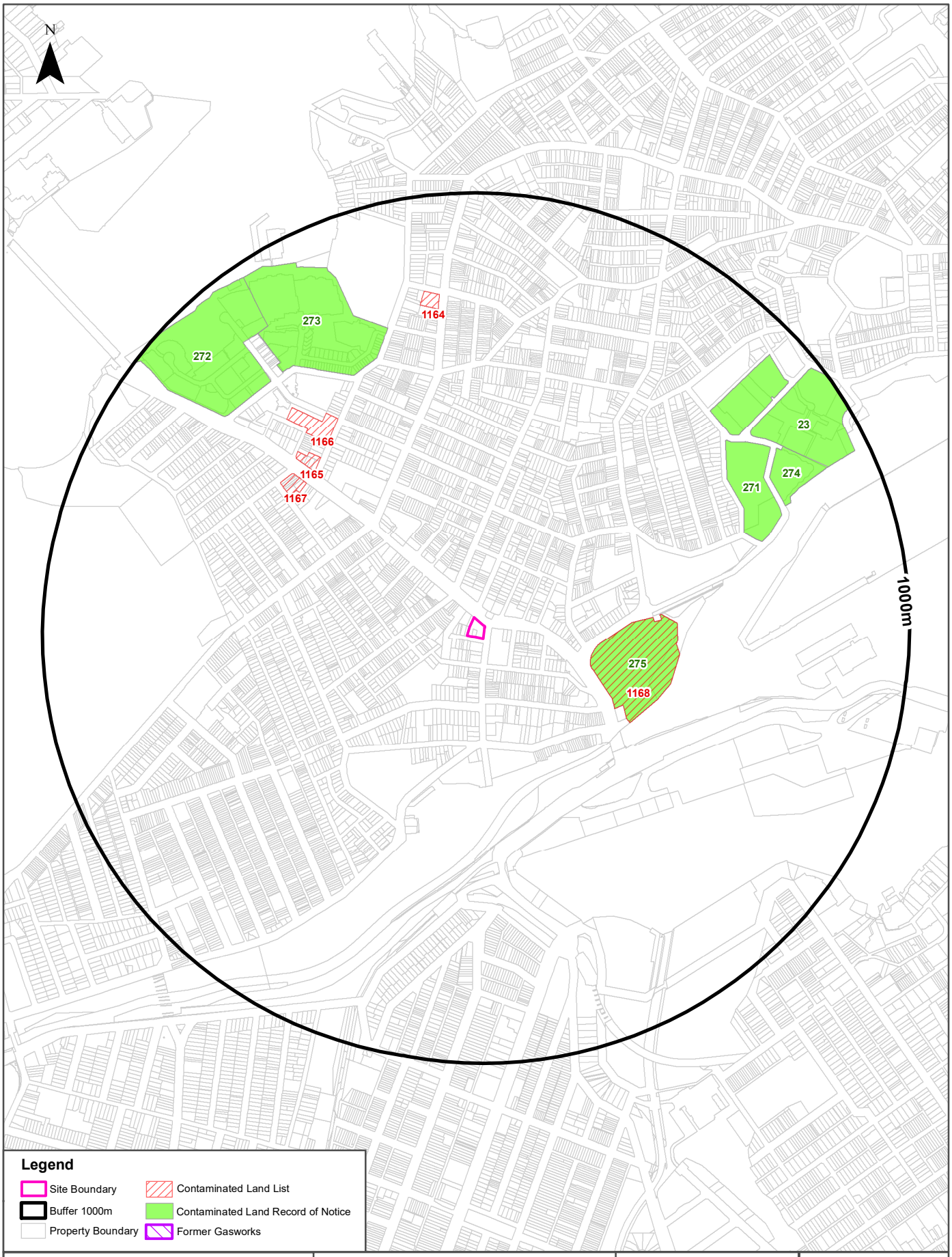
Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 01 October 2021

Contaminated Land

48 Victoria Road, Rozelle, NSW 2039



Contaminated Land

48 Victoria Road, Rozelle, NSW 2039

List of NSW contaminated sites notified to EPA

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

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist	Direction
1168	White Bay Power Station	Robert Street	Rozelle	Other Industry	Regulation under CLM Act not required	Current EPA List	Premise Match	256m	East
1167	7-Eleven (former Mobil) Service Station	178-180 (176 -184) Victoria Road	Rozelle	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	506m	North West
1165	Caltex Service Station	121 Victoria Road	Rozelle	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	510m	North West
1166	Kennards Rozelle	15-39 Wellington Street	Rozelle	Other Petroleum	Regulation under CLM Act not required	Current EPA List	Premise Match	537m	North West
1164	BP Service Station	Corner Darling Street and Thornton Street	Rozelle	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	732m	North

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

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

EPA site management class	Explanation
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

Contaminated Land

48 Victoria Road, Rozelle, NSW 2039

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
275	White Bay Power Station	Robert Street	Rozelle	7 former	3068	Premise Match	256m	East
273	Former Chemplex Factory	35 Terry Street	Rozelle	10 former	3067	Premise Match	638m	North West
271	Ampol Balmain	Reynolds Street and Buchanan Street	Rozelle	8 former	3084	Premise Match	649m	North East
23	Former Unilever Detergent Factory	Hyam, Foy, Reynolds, Palmer, Booth Street	Balmain	18 former	3007	Premise Match	732m	North East
272	Balmain Power Station	Terry Street	Rozelle	5 former	3069	Premise Match	735m	North West
274	Former Unilever Sulphonation Plant	Reynolds Street	Rozelle	4 former	3005	Premise Match	756m	North East

Contaminated Land Records of Notice Data Source: Environment Protection Authority

Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm

Former Gasworks

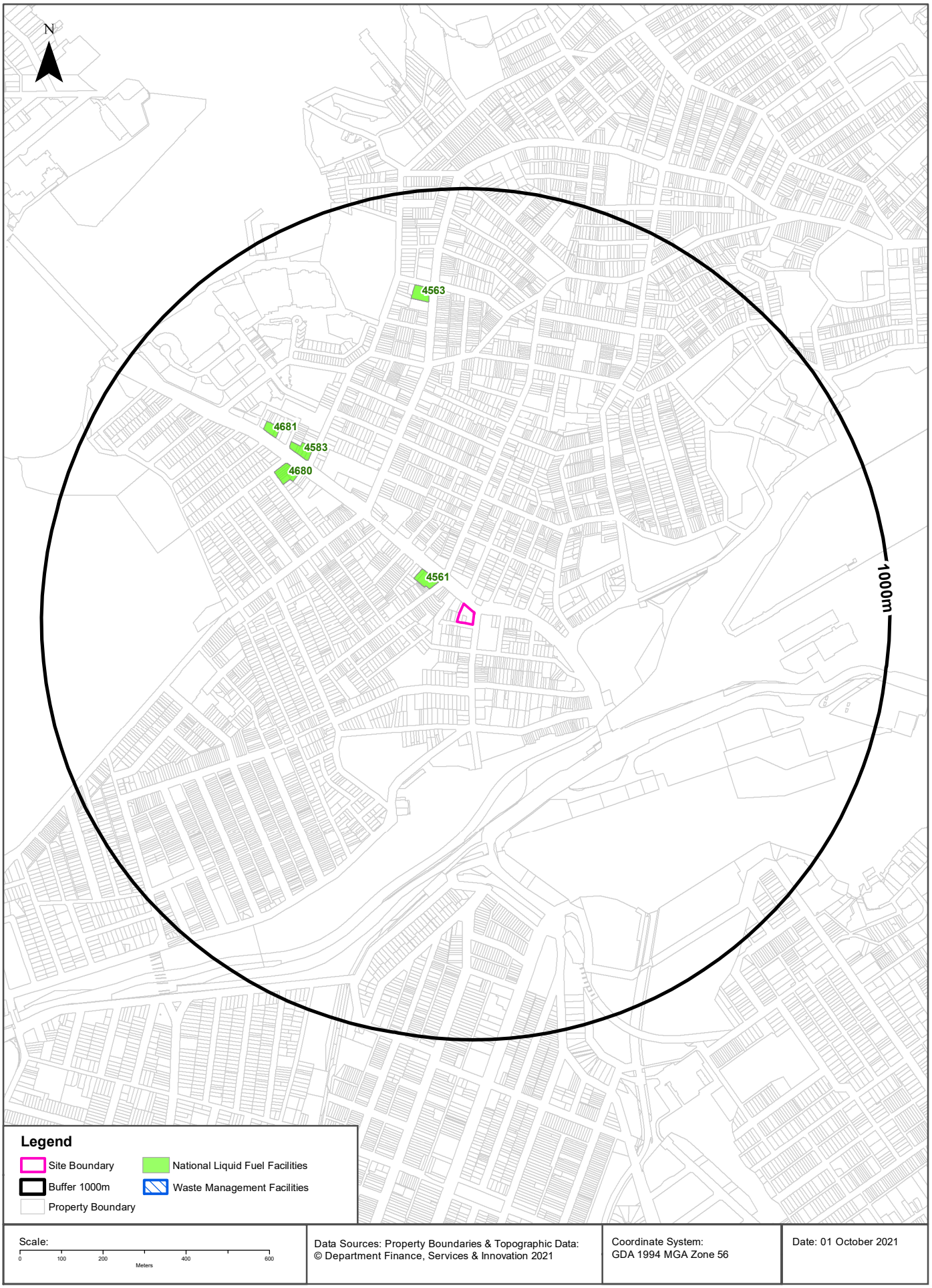
Former Gasworks within the dataset buffer:

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

Former Gasworks Data Source: Environment Protection Authority

Waste Management & Liquid Fuel Facilities

48 Victoria Road, Rozelle, NSW 2039



Waste Management & Liquid Fuel Facilities

48 Victoria Road, Rozelle, NSW 2039

National Waste Management Site Database

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

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

Waste Management Facilities Data Source: Geoscience Australia

National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Direction
4561	BP	BP Connect Rozelle	86-102 Victoria Road	Rozelle	Petrol Station	Operational		25/07/2011	Premise Match	81m	North West
4680	7-Eleven Pty Ltd	Rozelle	178-184 Victoria Road	Rozelle	Petrol Station	Operational		13/07/2012	Premise Match	506m	North West
4583	Caltex	Caltex Woolworths Rozelle	121 Victoria Road	Rozelle	Petrol Station	Operational		25/07/2011	Premise Match	510m	North West
4681	United	United Rozelle	127 Victoria Road	Rozelle	Petrol Station	Operational		25/07/2011	Premise Match	603m	North West
4563	BP	BP Darling Street	551-555 Darling Street	Rozelle	Petrol Station	Operational		25/07/2011	Premise Match	732m	North

National Liquid Fuel Facilities Data Source: Geoscience Australia

PFAS Investigation & Management Programs

48 Victoria Road, Rozelle, NSW 2039

EPA PFAS Investigation Program

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

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

EPA PFAS Investigation Program: Environment Protection Authority

Defence PFAS Investigation Program

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

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

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

Defence PFAS Management Program

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

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

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

Airservices Australia National PFAS Management Program

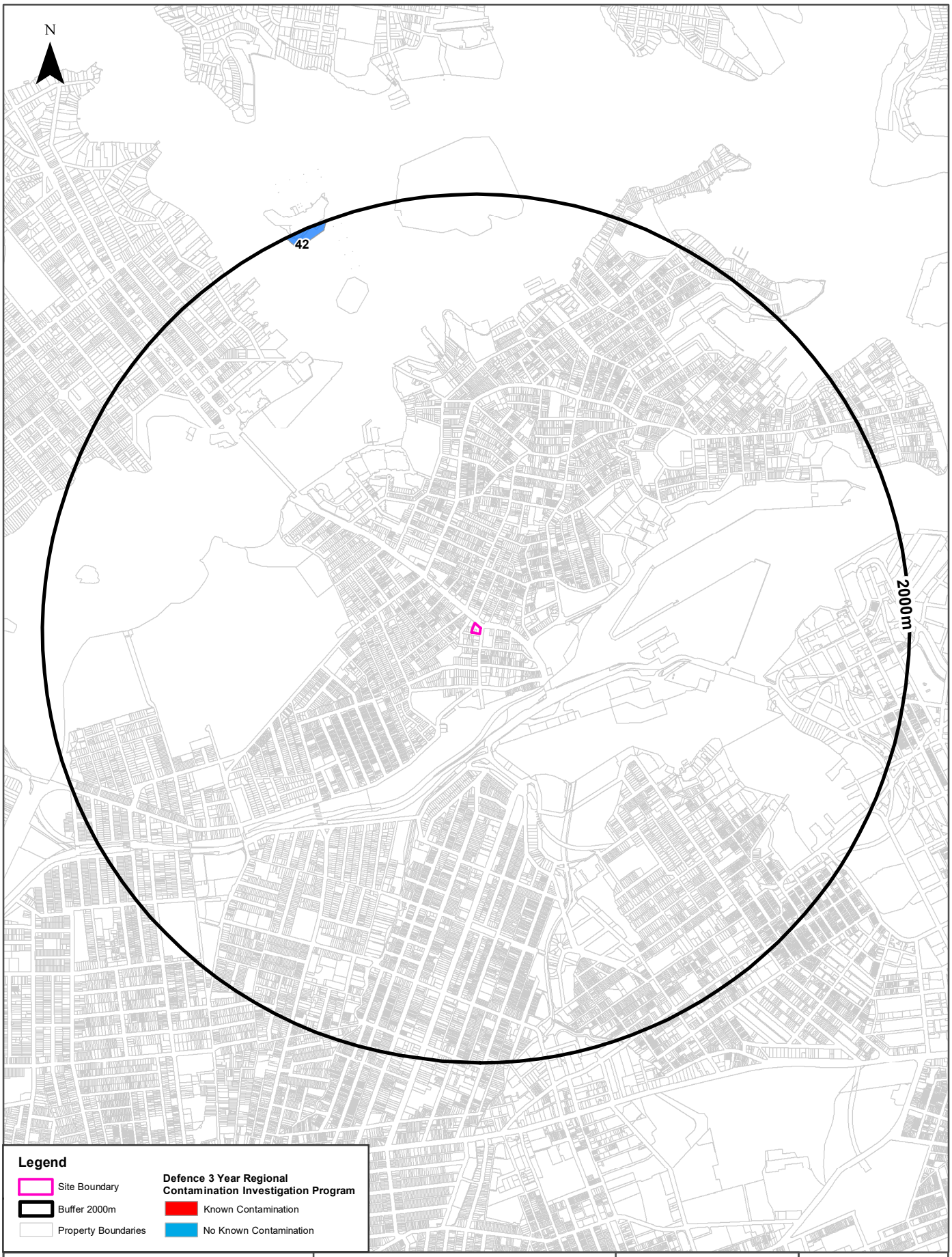
Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

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

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence 3 Year Regional Contamination Investigation Program

48 Victoria Road, Rozelle, NSW 2039



Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2021

Coordinate System: GDA 1994 MGA Zone 56

Date: 01 October 2021

Defence Sites

48 Victoria Road, Rozelle, NSW 2039

Defence 3 Year Regional Contamination Investigation Program

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

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
42	Spectacle Island	Sydney Harbour, New South Wales	NO	Area Match	1931m	North West

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

EPA Other Sites with Contamination Issues

48 Victoria Road, Rozelle, NSW 2039

EPA Other Sites with Contamination Issues

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

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

Sites within the dataset buffer:

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

EPA Other Sites with Contamination Issues: Environment Protection Authority

Current EPA Licensed Activities

48 Victoria Road, Rozelle, NSW 2039

EPA Activities

48 Victoria Road, Rozelle, NSW 2039

Licensed Activities under the POEO Act 1997

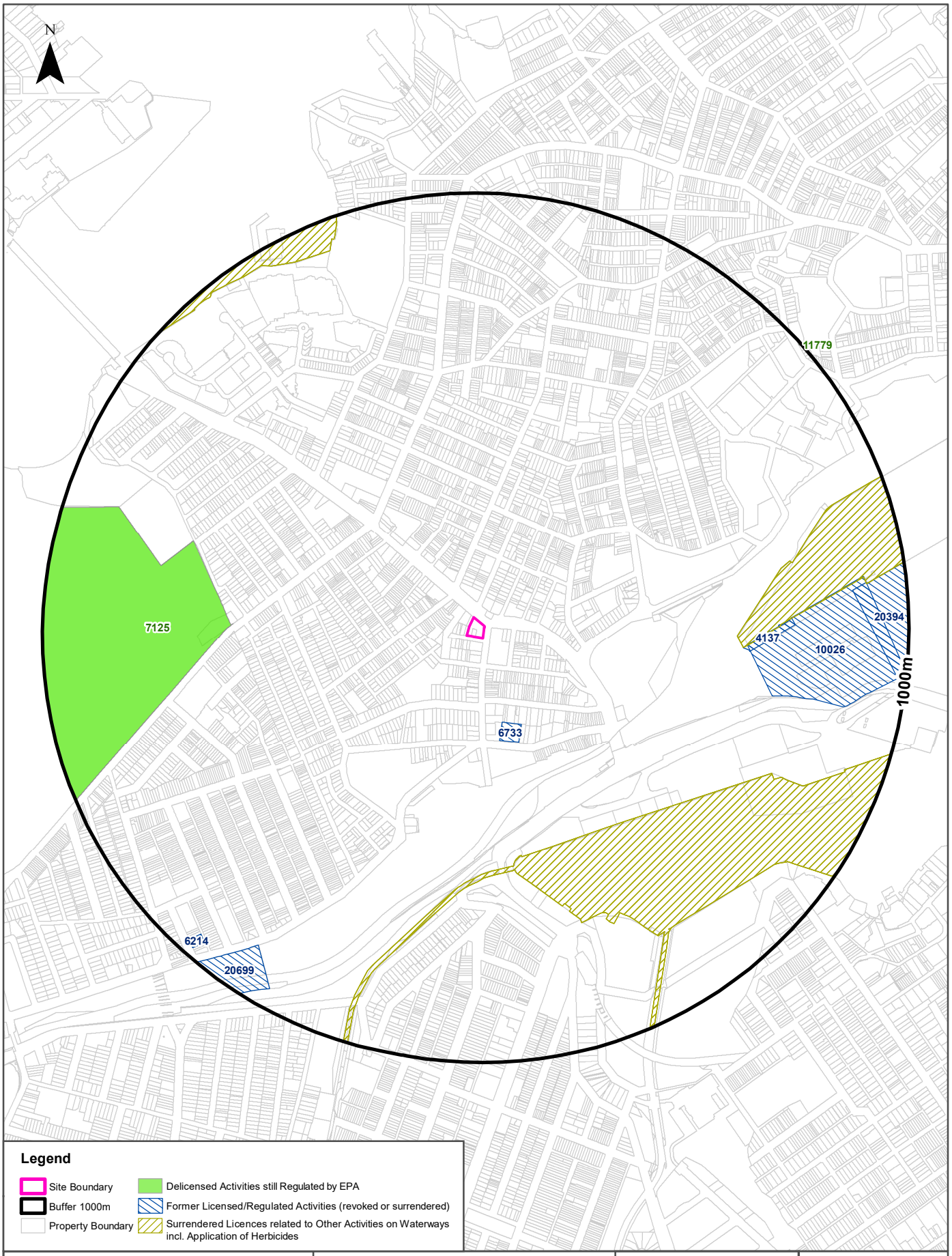
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
21247	Metro Trains Sydney Pty Ltd		SYDNEY METRO, ROUSE HILL, NSW 2155		Railway systems activities	Network of Features	8m	West
21278	JOHN HOLLAND PTY LTD		WestConnex between the M4-M5 Mainline Tunnels and Rozelle, ROZELLE, NSW 2039		Road construction	Road Match	158m	South West
4310	CEMENT AUSTRALIA HOLDINGS PTY LTD	GLEBE ISLAND CEMENT TERMINAL	SOMMERVILLE ROAD	SYDNEY	Cement or lime handling	Premise Match	386m	East
11919	TRANSPORT FOR NSW	JAMES CRAIG MARINA	JAMES CRAIG ROAD	ROZELLE	Boat construction/maintenance (general)	Premise Match	452m	South East
12781	SYDNEY BOATHOUSE HOLDINGS PTY LIMITED	Sydney Boathouse	James Craig Road	ROZELLE	Boat mooring and storage	Premise Match	507m	South East
11906	GYPSUM RESOURCES AUSTRALIA PTY. LIMITED	GYPSUM RESOURCES AUSTRALIA PTY. LIMITED	SOMMERVILLE ROAD	ROZELLE	Shipping in bulk	Premise Match	595m	East
7093	NEWCASTLE PORT CORPORATION	WHARF 7 GLEBE ISLAND	SOMMERVILLE ROAD	GLEBE	Shipping in bulk	Premise Match	724m	East
4790	SUGAR AUSTRALIA PTY LIMITED	SUGAR AUSTRALIA GLEBE ISLAND TERMINAL	LOT 1 SOMMERVILLE ROAD	ROZELLE	General agricultural processing	Premise Match	818m	East
4790	SUGAR AUSTRALIA PTY LIMITED	SUGAR AUSTRALIA GLEBE ISLAND TERMINAL	LOT 1 SOMMERVILLE ROAD	ROZELLE	Shipping in bulk	Premise Match	818m	East
12651	SYDNEY CITY MARINE PTY LIMITED	SYDNEY CITY MARINE	37 James Craig Road, ROZELLE, NSW 2039	ROZELLE	Boat construction/maintenance (general)	Premise Match	883m	East

POEO Licence Data Source: Environment Protection Authority

Delicensed & Former Licensed EPA Activities

48 Victoria Road, Rozelle, NSW 2039



EPA Activities

48 Victoria Road, Rozelle, NSW 2039

Delicensed Activities still regulated by the EPA

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

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
7125	SYDNEY SOUTH WEST AREA HEALTH SERVICE	THE ROZELLE HOSPITAL	CNR GLOVER & CHURCH STREETS	LEICHHARDT	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	552m	West
11779	SYDNEY SOUTH WEST AREA HEALTH SERVICE	BALMAIN HOSPITAL	BOOTH STREET	BALMAIN	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	993m	North East

Delicensed Activities Data Source: Environment Protection Authority

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

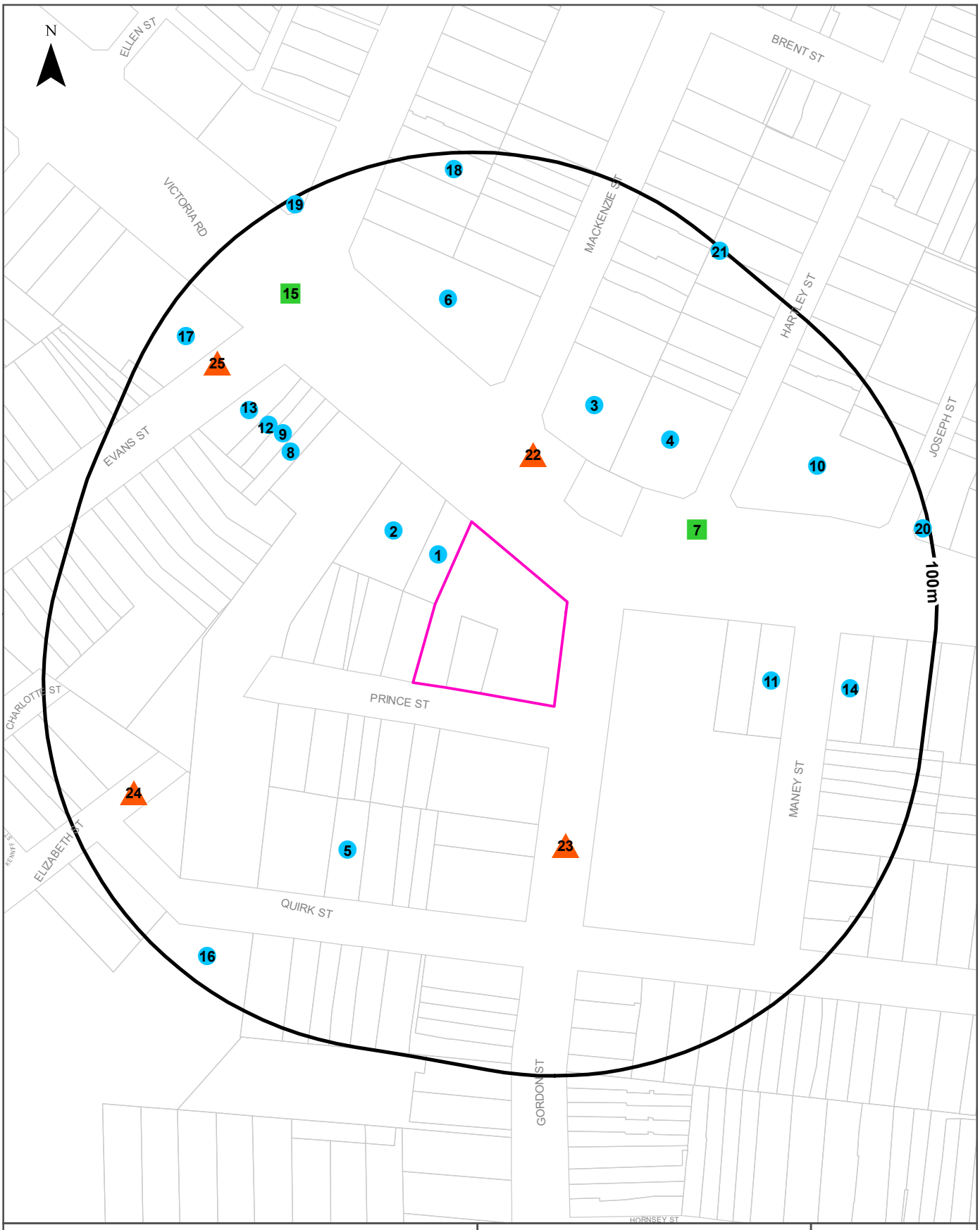
Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
6733	ASTOR ELECTROPLATERS (AUST) PTY LIMITED	51 LILYFIELD ROAD, ROZELLE, NSW 2039	Surrendered	26/06/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	202m	South
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	517m	South East
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	517m	South East
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	517m	South East
4137	LINX LOGISTICS PTY LTD	Berth 8 Sommerville Road, ROZELLE, NSW 2039	Surrendered	21/07/2000	Shipping in bulk	Premise Match	612m	East
10026	METROPOLITAN DEMOLITIONS & RECYCLING PTY LIMITED	Glebe Island Grain Terminal, Sommerville Road, GLEBE, NSW 2037	Surrendered	01/11/1999	Crushing, grinding or separating	Premise Match	620m	East
20394	Sydney Harbour Foreshore Authority	Sydney Exhibition Centre Glebe Island, James Craig Road, ROZELLE	Surrendered	23/01/2014	Generation of electrical power from diesel	Premise Match	872m	East
20699	ACCIONA INFRASTRUCTURE AUSTRALIA PTY LTD	CBD and South East Light Rail, CBD and South East Light Rail Alignment and Ancillary Sites, SYDNEY	Surrendered	08/04/2016	Land-based extractive activity	Network of Features	879m	South West
6214	AMDEL LIMITED	36-40 HALLORAN STREET, LILYFIELD, NSW 2040	Surrendered	19/01/2000	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	942m	South West

Former Licensed Activities Data Source: Environment Protection Authority

Historical Business Directories

48 Victoria Road, Rozelle, NSW 2039



Legend

- Site Boundary
- Buffer 100m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 20 40 60 80 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 01 October 2021

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

Historical Business Directories

48 Victoria Road, Rozelle, NSW 2039

Business Directory Records 1950-1991
Premise or Road Intersection Matches

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

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	VIDEO RECORDER &/OR CASSETTE SALES &/OR HIRE &/OR SERVICE.	G.A.L. Video, 64 Victoria Rd. Rozelle. 2039	97558	1986	Premise Match	0m	North West
	HEALTH CENTRES &/OR CLINICS.	T.B. Rehabilitation Centre. 64 Victoria Rd., Rozelle. 2039	35280	1978	Premise Match	0m	North West
	HEALTH CENTRES & OR CLINICS	T.B. Rehabilitation Centre, 64 Victoria Rd., Rozelle, 2039	41710	1975	Premise Match	0m	North West
	SOAP MANUFACTURERS	Cunningham, M., 64 Victoria Rd., Rozelle	103097	1950	Premise Match	0m	North West
	CHEMISTS-MANUFACTURING & WHOLESALE	Hampson and Ewen, 66 Victoria Rd., Rozelle	70518	1950	Premise Match	0m	North West
	SOAP MANUFACTURERS	Hamson and Ewen, 66 Victoria Rd., Rozelle	103107	1950	Premise Match	0m	North West
	CHEMISTS-MANUFACTURING & WHOLESALE	Spik Products, 64-66 Victoria Rd., Rozelle	70621	1950	Premise Match	0m	North West
	SOAP MANUFACTURERS	Webb, J., 66 Victoria Rd., Rozelle	103141	1950	Premise Match	0m	North West
2	HOTELS-LICENSED.	Tattersalls Hotel, 66 Victoria Rd., Rozelle. 2039	47051	1986	Premise Match	9m	North West
	HOTELS - LICENSED. (H7150)	Tattersalls Hotel, 66 Victoria Rd., Rozelle. 2039.	41075	1982	Premise Match	9m	North West
	HOTELS-LICENCED	Tattersalls Hotel., 68 Victoria Rd., Rozelle. 2039	43164	1975	Premise Match	9m	North West
	HOTELS-LICENSED (H690)	Tattersalls Hotel., 68 Victoria Rd., Rozelle	317612	1970	Premise Match	9m	North West
	Hotels - Licensed	Tattersalls Hotel, 68 Victoria Rd., Rozelle	101919	1965	Premise Match	9m	North West
	HOTELS—LICENSED	Tattersalls Hotel, 68 Victoria Rd., Rozelle	325692	1961	Premise Match	9m	North West
	HOTELS-LICENSED	Tattersalls Hotel, 68 Victoria Rd., Rozelle	63444	1950	Premise Match	9m	North West
3	Tyre Dealers &/or Retreaders &/or Vulcanisers	Joes Tyre Service Pty.Ltd. 73 Victoria Rd. Rozelle. 2039	96938	1991	Premise Match	32m	North East
	TYRE DEALERS &/OR RETREADERS &/OR VULCANISERS.	Joes Tyre Service Pty. Ltd., 73 Victoria Rd., Rozelle. 2039	96385	1986	Premise Match	32m	North East
	TYRE DEALERS &/ORRETREADERS &/OR VULCANISERS. (T8830)	Joes Tyre Service Pty. Ltd., 73 Victoria Rd., Rozelle. 2039.	82675	1982	Premise Match	32m	North East
	TYRE DEALERS &/OR RETREADERS &/OR VULCANISERS	Joes Tyre Service Pty. Ltd., 73 Victoria Rd., Rozelle. 2039	72945	1978	Premise Match	32m	North East
	TYRE DEALERS, RETREADERS &/OR VULCANIZERS,	Joes Tyre Service Pty. Ltd., 73 Victoria Rd., Rozelle, 2039	85590	1975	Premise Match	32m	North East
	PLUMBERS,GASFITTERS/DRAINLAYERS(P608)	Flynn, C. J., 48 Mackenzie St., ROZELLE	350528	1970	Premise Match	32m	North East
	Plumbers, Gasfitters/Drainlayers	Flynn, C. J., 48 Mackenzie St., Rozelle	134846	1965	Premise Match	32m	North East
	PLUMBERS, GASFITTERS & DRAINLAYERS	Flynn, C. J., 48 Mackenzie St. ROZELLE	359976	1961	Premise Match	32m	North East
4	ENGINEERS-FURNACES &/OR COMBUSTION. (E7080)	Burner Combustion Systems Pty. Ltd., 71 Victoria Rd., Rozelle. 2039.	27737	1982	Premise Match	34m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
4	ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL. (E7140)	Burner Combustion Systems Pty. Ltd., 71 Victoria Rd., Rozelle. 2039.	27882	1982	Premise Match	34m	North East
	FURNACE MFRS. &/OR DISTS. (F7150)	Burner Combustion Systems Pty. Ltd., 71 Victoria Rd., Rozelle. 2039.	34185	1982	Premise Match	34m	North East
	GAS BURNERS - INDUSTRIAL-MFRS. &/OR DISTS. (G1010)	Burner Combustion Systems Pty. Ltd., 71 Victoria Rd., Rozelle. 2039.	35816	1982	Premise Match	34m	North East
	MACHINERY MANUFACTURERS (M0200)	Burner Combustion Systems Pty. Ltd., 71 Victoria Rd., Rozelle. 2039.	45771	1982	Premise Match	34m	North East
	IMPORTERS. (I0750)	Pollini Imports Pty. Ltd., 71 Victoria Rd., Rozelle. 2039.	41741	1982	Premise Match	34m	North East
	RUBBER MOULD & DIE MFRS. &/OR DISTS.	Broom Head, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	64157	1978	Premise Match	34m	North East
	PLASTIC DIE &/OR MOULD MFRS.	Broom head, J. W. & Sons Pty. Limited., 71 Victoria Rd., Rozelle. 2039	57499	1978	Premise Match	34m	North East
	BUILDERS &/OR BUILDING CONTRACTORS.	Broomhead J.W. (Construction) Pty. Ltd. 71 Victoria Rd., Rozelle. 2039	7525	1978	Premise Match	34m	North East
	ENGINEERS-PRODUCTION.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039	26038	1978	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039	26385	1978	Premise Match	34m	North East
	MACHINERY MFRS	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039	40773	1978	Premise Match	34m	North East
	TOOLMAKERS.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle.2039	71331	1978	Premise Match	34m	North East
	BOILERMAKERS.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	6477	1978	Premise Match	34m	North East
	DIE & PRESS TOOL MAKERS	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	18913	1978	Premise Match	34m	North East
	ENGINEERS- GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	24937	1978	Premise Match	34m	North East
	ENGINEERS-FABRICATING.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	24545	1978	Premise Match	34m	North East
	ENGINEERS-HEAVY.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	25557	1978	Premise Match	34m	North East
	ENGINEERS-PRECISION.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	25930	1978	Premise Match	34m	North East
	STEEL FABRICATORS.	Broomhead, J. W. & Sons Pty. Limited., 71 Victoria Rd., Rozelle. 2039	68066	1978	Premise Match	34m	North East
	ENGINEERS- GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Broomhead, J. W. & Sons Pty. Ltd 71 Victoria Rd., Rozelle. 2039	24824	1978	Premise Match	34m	North East
	STEEL FABRICATORS.	Broomhead, J. W. & Sons Pty. Ltd. 71 Victoria Rd., Rozelle. 2039	68025	1978	Premise Match	34m	North East
	BRICK, PIPE &/OR TILE MANUFACTURERS MACHINERY.	Broomhead, J. W. & Sort Pty. Limited, 71 Victoria Rd, Rozelle. 2039	7386	1978	Premise Match	34m	North East
	BUILDERS &/OR BUILDING CONTRACTORS.	Broomhead, J. W. (Constructions) Pty. Ltd, 71 Victoria Rd, Rozelle. 2039	7596	1978	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd, Rozelle. 2039	26384	1978	Premise Match	34m	North East
	BOILERMAKERS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle. 2039	6476	1978	Premise Match	34m	North East
	CONVEYORS &/OR CONVEYING EQUIP. MFRS. &/OR IMPS. &/OR DISTS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle. 2039	16215	1978	Premise Match	34m	North East
	ENGINEERS-DESIGNING.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle. 2039	24204	1978	Premise Match	34m	North East
	PRESSURE VESSEL MFRS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle. 2039	58738	1978	Premise Match	34m	North East
	STEEL ERECTORS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle. 2039	68003	1978	Premise Match	34m	North East
	BUILDINGS-PRE-FABRICATED MFRS. &/OR DISTS.	Broomhead. J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	8511	1978	Premise Match	34m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
4	ENGINEERS-FACTORY MAINTENANCE.	Broomhead. J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	24708	1978	Premise Match	34m	North East
	STEEL PURLINS.	Brookhead J. W. Rollings pty. Ltd.Head Office: 71 Victoria Road, Rozelle, 2039	80805	1975	Premise Match	34m	North East
	BUILDERS &/OR BUILDING CONTRACTORS.	Broomhead J. W. & Sons (Construction) Pty. Ltd. 71 Victoria Rd., Rozelle, 2039	8304	1975	Premise Match	34m	North East
	ENGINEERS - FABRICATING	Broomhead, J W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039.	28397	1975	Premise Match	34m	North East
	MACHINERY MFRS.	Broomhead, J. W. & Son Pty. Limited., 71 Victoria Rd, Rozelle. 2039.	48121	1975	Premise Match	34m	North East
	RUBBER MOULD & DIE MFRS. &/OR DISTS	Broomhead, J. W. & Son Pty. Limited., 71 Victoria Rd., Rozelle, 2039	74904	1975	Premise Match	34m	North East
	ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Broomhead, J. W. & Sons Pty. Limited 71 Victoria Rd. Rozelle. 2039	28710	1975	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd, Rozelle. 2039.	30466	1975	Premise Match	34m	North East
	TOOLMAKERS	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle, 2039	83927	1975	Premise Match	34m	North East
	ENGINEERS - FABRICATING	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle. 2039.	28398	1975	Premise Match	34m	North East
	ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle. 2039.	28839	1975	Premise Match	34m	North East
	ENGINEERS-FACTORY MAINTENANCE	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle. 2039.	28584	1975	Premise Match	34m	North East
	BUILDINGS-PRE-FABRICATED MFRS &/OR DISTS	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle 2039	9591	1975	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039	30465	1975	Premise Match	34m	North East
	ENGINEERS-HEAVY.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039.	29525	1975	Premise Match	34m	North East
	ENGINEERS-PRECISION.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039.	29938	1975	Premise Match	34m	North East
	BOILER MAKERS.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	6998	1975	Premise Match	34m	North East
	BRICK, PIPE &/OR TILE MFRS MACHINERY.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	8146	1975	Premise Match	34m	North East
	ENGINEERS-FACTORY MAINTENANCE	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039	28583	1975	Premise Match	34m	North East
	ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle. 2039.	28838	1975	Premise Match	34m	North East
	DIE AND PRESS TOOL MAKERS.	Broomhead, J. W. & Sons Pty. Limited, 71 Victoria St., Rozelle. 2039	21792	1975	Premise Match	34m	North East
	STEEL FABRICATORS.	Broomhead, J. W. & Sons Pty. Limited., 41 Victoria Rd., Rozelle, 2039	80479	1975	Premise Match	34m	North East
	STEEL FABRICATORS.	Broomhead, J. W. & Sons Pty. Limited., 71 Victoria Rd, Rozelle, 2039	80478	1975	Premise Match	34m	North East
	PLASTIC DIE &/OR MOULD MFRS.	Broomhead, J. W. & Sons Pty. Limited., 71 Victoria Rd., Rozelle, 2039	67700	1975	Premise Match	34m	North East
	STEEL FABRICATORS.	Broomhead, j. W. & Sons Pty. Ltd., 71 Victoria Rd., Rozelle 2039	80432	1975	Premise Match	34m	North East
	STEEL ERECTORS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd, Rozelle, 2039	80407	1975	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd, Rozelle. 2039.	30464	1975	Premise Match	34m	North East
	BOILER MAKERS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd. Rozelle. 2039	6997	1975	Premise Match	34m	North East
	CONVEYORS &/OR CONVEYING EQUIP. MFRS. &/OR IMPS. &/OR DISTS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle, 2039	18793	1975	Premise Match	34m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
4	PRESSURE VESSEL MFRS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle, 2039	69125	1975	Premise Match	34m	North East
	BUILDERS &/OR BUILDING CONTRACTORS.	Broomhead, J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle. 2039	8369	1975	Premise Match	34m	North East
	ENGINEERS-DESIGNING	Broomhead, J.W. (Constructions) Pty. Ltd. 71 Victoria Rd., Rozelle. 2039	27990	1975	Premise Match	34m	North East
	ENGINEERS-PRODUCTION.	Broomhead. J. W. & Sons Pty. Limited, 71 Victoria Rd, Rozelle. 2039.	30061	1975	Premise Match	34m	North East
	TOOLMAKERS	Broomhead. J. W. & Sons Pty. Limited, 71 Victoria Rd., Rozelle, 2039	83926	1975	Premise Match	34m	North East
	BUILDINGS-PRE-FABRICATED MFRS &/OR DISTS	Broomhead. J. W. (Constructions) Pty. Ltd., 71 Victoria Rd., Rozelle 2039	9590	1975	Premise Match	34m	North East
	DIE & PRESS TOOL MAKERS (D231)	Broomhead, J. W & Sons Pty. Ltd., 41-49 Victoria Rd., Rozelle	289403	1970	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL (E765)	Broomhead, J. W. & Son Pty. Ltd., 41-49 Victoria Rd., Rozelle	301048	1970	Premise Match	34m	North East
	BOILERMAKERS (B510)	Broomhead, J. W. & Sons Pty Limited., 41-49 Victoria Rd., Rozelle	267885	1970	Premise Match	34m	North East
	RUBBER MOULD MFRS. &/OR DISTS.(R500)	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	358166	1970	Premise Match	34m	North East
	RUBBER MOULDING DIE MFRS. (R510)	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	358205	1970	Premise Match	34m	North East
	TOOL MAKERS (T480)	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	369589	1970	Premise Match	34m	North East
	BRICK, PIPE & TILE MFRS.' MACHINERY (B718)	Broomhead, J. W. & Sons Pty. Limited., 41-49 Victoria Rd., Rozelle	269641	1970	Premise Match	34m	North East
	BUILDINGS-PREFABRICATED-MFRS. &/OR DISTS.	Broomhead, J. W. & Sons Pty. Ltd., 41 Victoria Rd., Rozelle	272519	1970	Premise Match	34m	North East
	CONVEYORS & CONVEYING EQUIP. - IMPS. &/OR DISTS.	Broomhead, J. W. & Sons Pty. Ltd., 41 Victoria Rd., Rozelle.	285614	1970	Premise Match	34m	North East
	ENGINEERS-GENERAL &/OR MFRG.&/OR MECHANICAL (E615)	Broomhead, J. W. & Sons Pty. Ltd., 41 Victoria Rd., Rozelle.	298911	1970	Premise Match	34m	North East
	STEEL FABRICATORS (S673)	Broomhead, J. W. & Sons Pty. Ltd., 41 Victoria Rd., Rozelle.	365181	1970	Premise Match	34m	North East
	ENGINEERS-DESIGNING (E560)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	297932	1970	Premise Match	34m	North East
	ENGINEERS-FABRICATING (E580)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	298437	1970	Premise Match	34m	North East
	ENGINEERS-FACTORY MAINTENANCE (E585)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	298666	1970	Premise Match	34m	North East
	ENGINEERS-HEAVY (E630)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	299810	1970	Premise Match	34m	North East
	ENGINEERS-PRECISION (E705)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria rd., Rozelle	300369	1970	Premise Match	34m	North East
	ENGINEERS-PRODUCTION (E710)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	300506	1970	Premise Match	34m	North East
	MACHINERY MFRS. (M035)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	324258	1970	Premise Match	34m	North East
	PLASTIC DIE/MOULD MFRS. (P552)	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	349421	1970	Premise Match	34m	North East
	BOILERMAKERS (B510)	Broomhead, J. W. (Constructions) Pty Ltd., 41-49 VictoriaRd., Rozelle	267886	1970	Premise Match	34m	North East
	STEEL ERECTORS (S569)	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	365122	1970	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL (E765)	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 VictoriaRd., Rozelle	301047	1970	Premise Match	34m	North East
	PRESSURE VESSEL MFRS. (P776)	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 VictoriaRd., Rozelle	351537	1970	Premise Match	34m	North East
	COOL ROOM BUILDERS (C641)	Broomhead, J. W. (Coolrooms) Pty. Ltd., 41 Victoria Rd., Rozelle, 2039	285745	1970	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL (E765)	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., . Rozelle	301046	1970	Premise Match	34m	North East
	BUILDERS & CONTRACTORS (B800)	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	269978	1970	Premise Match	34m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
4	BUILDINGS-PREFABRICATED-MFRS. &/OR DISTS.	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	272520	1970	Premise Match	34m	North East
	ENGINEERS-FABRICATING (E580)	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	298439	1970	Premise Match	34m	North East
	PRESSURE VESSEL MFRS. (P776)	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	351536	1970	Premise Match	34m	North East
	PROFILE CUTTING SPECIALISTS (P862)	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	353105	1970	Premise Match	34m	North East
	STEEL ERECTORS (S569)	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	365123	1970	Premise Match	34m	North East
	WELDERS-ELECTRIC &/OR OXY	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	373504	1970	Premise Match	34m	North East
	BOILERMAKERS (B510)	Broomhead, J.W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	267887	1970	Premise Match	34m	North East
	ENGINEERS-FABRICATING (E580)	J. W. B. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	298533	1970	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL (E765)	J. W. B. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	301122	1970	Premise Match	34m	North East
	MILK, FRUIT JUICE BARS/CONFECTIONERS	Morris, R., 45 Victoria Rd., Rozelle	330939	1970	Premise Match	34m	North East
	Pressure Vessel Mfrs.	Braornhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	135747	1965	Premise Match	34m	North East
	Engineers General &/or Mfrg. &/or Mechanical	Broomhead J. W. & Sons Pty. Ltd., 41-49 Victoria Rd., Rozelle	82168	1965	Premise Match	34m	North East
	Engineers - Fabricating	Broomhead, J, W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	81695	1965	Premise Match	34m	North East
	Die & Press Tool Makers	Broomhead, J. W & Sons Pty. Ltd., 41-49 Victoria Rd., Rozelle	74053	1965	Premise Match	34m	North East
	Buildings Prefabricated - Mfrs. &/or Dists.	Broomhead, J. W, (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	57310	1965	Premise Match	34m	North East
	Welders - Electric &/or Oxy	Broomhead, J. W. & Soma Pty. Limited., 41-49 Victoria Rd., Rozelle	156297	1965	Premise Match	34m	North East
	Brick, Pipe & Tile Mfrs' Machinery	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	54184	1965	Premise Match	34m	North East
	Rubber Mould Mfrs.	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	141450	1965	Premise Match	34m	North East
	Rubber Moulding Die Mfrs.	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	141493	1965	Premise Match	34m	North East
	STEEL FABRICATORS	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	148087	1965	Premise Match	34m	North East
	TOOL MAKERS	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	152481	1965	Premise Match	34m	North East
	Conveyors & Conveying Equip. - Imps. &/or Dists.	Broomhead, J. W. & Sons Pty. Ltd., 41 Victoria Rd., Rozelle	70348	1965	Premise Match	34m	North East
	Engineers - Factory Main - Tenace	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Raze Ile	81918	1965	Premise Match	34m	North East
	Buildings Prefabricated - Mfrs. &/or Dists.	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	57311	1965	Premise Match	34m	North East
	Engineers - Designing	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	81237	1965	Premise Match	34m	North East
	Engineers - Production	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	83719	1965	Premise Match	34m	North East
	Engineers - Structural	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	84258	1965	Premise Match	34m	North East
	Engineers -Precision	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	83548	1965	Premise Match	34m	North East
	Machinery Manufacturers	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	108664	1965	Premise Match	34m	North East
	Plastic Die/Mould Manufacturers	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	133679	1965	Premise Match	34m	North East
	BOILERMAKERS	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	52316	1965	Premise Match	34m	North East
	Buildings Prefabricated - Mfrs. &/or Dists.	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	57309	1965	Premise Match	34m	North East
	Engineers - Fabricating	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	81696	1965	Premise Match	34m	North East

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4	Engineers - Structural	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	84259	1965	Premise Match	34m	North East
	Pressure Vessel Mfrs.	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	135746	1965	Premise Match	34m	North East
	STEEL ERECTORS	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	148010	1965	Premise Match	34m	North East
	STEEL FABRICATORS	Broomhead, J. W. (Constructions) Pty. Ltd., 41-49 Victoria Rd., Rozelle	148086	1965	Premise Match	34m	North East
	BOILERMAKERS	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd, Rozelle	52317	1965	Premise Match	34m	North East
	Welders - Electric &/or Oxy	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozel le	156296	1965	Premise Match	34m	North East
	Builders & Contractors	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	55146	1965	Premise Match	34m	North East
	Engineers - Fabricating	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	81697	1965	Premise Match	34m	North East
	Engineers - Structural	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	84260	1965	Premise Match	34m	North East
	STEEL ERECTORS	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria Rd., Rozelle	148011	1965	Premise Match	34m	North East
	Profile Cutting Specialists	Broomhead, J. W. (Welders) Pty. Ltd., 41 Victoria st., Rozelle	136982	1965	Premise Match	34m	North East
	Welders - Electric &/or Oxy	Broorneead, J. W. (Constructions) Pty. Ltd, 41-49 Victoria Rd, Rozelle	156295	1965	Premise Match	34m	North East
	BOILERMAKERS	Broornhead, J. W, & Sons Pty. Limited, 41-49 Victoria Rd Rozelle	52318	1965	Premise Match	34m	North East
	Engineers - Structural	J.W.B. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	84344	1965	Premise Match	34m	North East
	Engineers - Fabricating	J.W.S. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	81787	1965	Premise Match	34m	North East
	Milk, Fruit Juice Bars/Confectioners	Morris, R., 45 Victoria Rd., Rozelle	115341	1965	Premise Match	34m	North East
	ENGINEERS-GENERAL/MFRG./ MECHANICAL	Broomhead J W & Sons Pty Limited 41-49 Victoria Rd., Rozelle	306224	1961	Premise Match	34m	North East
	STEEL FABRICATORS	Broomhead J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	253403	1961	Premise Match	34m	North East
	DIE & PRESS TOOL,MAKERS	Broomhead, J. W & Sons Pty. Ltd., 41-49 Victoria Rd. Rozelle	296769	1961	Premise Match	34m	North East
	BOILERMAKERS	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	273892	1961	Premise Match	34m	North East
	BRICK, PIPE & TILE MFRS.' MACHINERY	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	275774	1961	Premise Match	34m	North East
	ENGINEERS-FACTORY MAINTENANCE	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	305939	1961	Premise Match	34m	North East
	ENGINEERS-GENERAL/MFRG./ MECHANICAL	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	306225	1961	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	308491	1961	Premise Match	34m	North East
	MACHINERY MFRS.	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	332619	1961	Premise Match	34m	North East
	RUBBER MOULD MFRS.	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	247021	1961	Premise Match	34m	North East
	RUBBER MOULDING DIE MFRS.	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	247050	1961	Premise Match	34m	North East
	STEEL FABRICATORS	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	253404	1961	Premise Match	34m	North East
	WELDERS-ELECTRIC &/OR OXY	Broomhead, J. W. & Sons Pty. Limited, 41 Victoria Rd., Rozelle	261938	1961	Premise Match	34m	North East
	CONVEYORS & CONVEYING EQUIP. MANUFACTURERS	Broomhead, J. W. & Sons Pty. Limited, 41-49 Victoria Rd., Rozelle	292937	1961	Premise Match	34m	North East
	TOOL MAKERS	Broomhead, J. W. & Sons Pty. Ltd., 41 Victoria Rd., Rozelle	258090	1961	Premise Match	34m	North East
	ENGINEERS-DESIGNING	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	305234	1961	Premise Match	34m	North East

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4	ENGINEERS-HEAVY	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	307259	1961	Premise Match	34m	North East
	ENGINEERS-PRODUCTION	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	307921	1961	Premise Match	34m	North East
	PLASTIC DIE/MOULD MFRS.	Broomhead, J. W. & Sons Pty. Ltd., 41 -49 Victoria Rd., Rozelle	359050	1961	Premise Match	34m	North East
	ENGINEERS-FABRICATING	Broomhead, J. W. & Sons,Pty. Limited, 41 Victoria Rd., Rozelle	305717	1961	Premise Match	34m	North East
	ENGINEERS-PRECISION	Broomhead, J. W. &. Sons Pty. Ltd., 41-49 Victoria Rd., Rozelle	307753	1961	Premise Match	34m	North East
	STEEL FABRICATORS	J. W. B. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	253470	1961	Premise Match	34m	North East
	PROFILE CUTTING SPECIALISTS	J.W.B. Welders Pty. Ltd., 41 Victoria Rd., Rozelle	363010	1961	Premise Match	34m	North East
	BOILERMAKERS	J.W.B. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	273949	1961	Premise Match	34m	North East
	ENGINEERS-STRUCTURAL	J.W.B. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	308586	1961	Premise Match	34m	North East
	WELDERS-ELECTRIC &/OR OXY	J.W.B. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	262182	1961	Premise Match	34m	North East
	ENGINEERS-FABRICATING	JWB. Welders Pty. Ltd., 41-49 Victoria Rd., Rozelle	305804	1961	Premise Match	34m	North East
	MILK, FRUIT JUICE BARS/CONFECTIONERS	Morris, R., 45 Victoria Rd., Rozelle	339372	1961	Premise Match	34m	North East
	ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Broomhead, J. W. and Sons, 49 Victoria Rd., Rozelle	40504	1950	Premise Match	34m	North East
	MILK BARS & CONFECTIONERS	Morris, R., 45 Victoria Rd., Rozelle	77075	1950	Premise Match	34m	North East
	CLOTHING MFRS. &/OR WHOLESALERS-BABIES & CHILDREN'S	Young, R., 43 Victoria Rd., Rozelle	24629	1950	Premise Match	34m	North East
5	CARRIERS & CARTAGE CONTRACTORS	Higgins, T., 29 Quirk St., Rozelle	284881	1961	Premise Match	34m	South West
	CARRIERS & CARTAGE CONTRACTORS	Higgins, T., 29 Quirk St., Rozelle	19017	1950	Premise Match	34m	South West
	GRAVEL, SAND & SOIL SUPPLIES	Higgins, T., 29 Quirk St., Rozelle	55152	1950	Premise Match	34m	South West
6	Motor Garages & Service Stations	Esso Rozelle Service Station, 75 Victoria Rd., Rozelle 2039	97332	1991	Premise Match	37m	North
	MOTOR GARAGES & SERVICE STATIONS.	Esso Rozelle Service Station, 75 Victoria Rd., Rozelle. 2039	64659	1986	Premise Match	37m	North
7	Blue Printers	Westside Detailing Services Pty. Ltd., Cnr. Victoria Rd. & Hartley St., Rozelle	51955	1965	Road Intersection	40m	North East
	Draughtsmen	Westside Detailing Services Pty. Ltd., Cnr. Victoria Rd. & Hartley St., Rozelle	75411	1965	Road Intersection	40m	North East
	Engineers - Civil	Westside Detailing Services Pty. Ltd., Cnr. Victoria Rd. & Hartley St., Rozelle	80910	1965	Road Intersection	40m	North East
	Plan Printers	Westside Detailing Services Pty. Ltd., Cnr. Victoria Rd. & Hartley St., Rozelle	133498	1965	Road Intersection	40m	North East
	Plans/Specifications Spec.	Westside Detailing Services Pty. Ltd., Cnr. Victoria Rd. & Hartley St., Rozelle	133527	1965	Road Intersection	40m	North East
	CAKE SHOPS & PASTRYCOOKS	Ann's Cake Shop, 39 Victoria Rd., Rozelle	16380	1950	Road Intersection	40m	North East
	CARRIERS & CARTAGE CONTRACTORS	Hosford, W. S., 29 Weston Rd., Rozelle	19052	1950	Road Intersection	40m	North East
	DELICATESSENS & SMALLGOODS DEALERS	Murphy, W. J., 37 Victoria Rd., Rozelle	30928	1950	Road Intersection	40m	North East
8	CAFES, TEA ROOMS &/OR COFFEE LOUNGES.	House of Seafood, 70 Victoria Rd., Rozelle. 2039	12026	1975	Premise Match	47m	North West
	FISH MERCHANTS-RETAIL	House of Seafood, 70 Victoria Rd., Rozelle. 2039.	32425	1975	Premise Match	47m	North West
	TAKE-AWAY FOODS.	House of Seafood., 70 Victoria Rd., Rozelle, 2039	81924	1975	Premise Match	47m	North West
	FRUITERERS/GREENGROCERS (F640)	Cross, J., 70 Victoria Rd., Rozelle.	306904	1970	Premise Match	47m	North West

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8	CAFES, COFFEE LOUNGES, Etc. (C030)	Fish-Chip Cafe., 70 Victoria Rd., Rozelle	275605	1970	Premise Match	47m	North West
	Fruiterers & Greengrocers	Cross, J., 70 Victoria Rd., Rozelle	91098	1965	Premise Match	47m	North West
	Cafes, Tea Rooms, Coffee Lounges, Etc.	Fish-Chip Cafe, 70 Victoria Rd., Rozelle	60352	1965	Premise Match	47m	North West
	FRUITERERS/GREENGROCERS	Cross, J., 70 Victoria Rd., Rozelle	315230	1961	Premise Match	47m	North West
	FRUITERERS & GREENGROCERS	Hooper, H., 70 Victoria Rd., Rozelle	50327	1950	Premise Match	47m	North West
9	NEWSAGENTS.	Delaney, C. A., 72 Victoria Rd., Rozelle. 2039	69285	1986	Premise Match	52m	North West
	STATIONERS - RETAIL.	Delaney, C. A., 72 Victoria Rd., Rozelle. 2039	88396	1986	Premise Match	52m	North West
	NEWSAGENTS. (N0800)	Delaney, C. A, 72 Victoria Rd., Rozelle. 2039.	60479	1982	Premise Match	52m	North West
	STATIONERS - RETAIL. (S5535)	Delaney, C. A, 72 Victoria Rd., Rozelle. 2039.	76414	1982	Premise Match	52m	North West
	HAIRDRESSERS (GENT.'S) (H070)	Blayney, Kevin., 72 Victoria Rd., Rozelle	313646	1970	Premise Match	52m	North West
	Hairdressers (Gent.'s)/Tobacconists	Blayney, Kevin., 72 Victoria Rd., Rozelle	97776	1965	Premise Match	52m	North West
	HAIRDRESSERS (GENT.'S) /TOBACCONISTS	Blayney. E., 72 Victoria Rd., Rozelle	321827	1961	Premise Match	52m	North West
	HAIRDRESSERS (GENT.'S) &/OR TOBACCONISTS	Bloyney, E., 72 Victoria Rd., Rozelle	59204	1950	Premise Match	52m	North West
10	Motor Garages & Service Stations	BP Weston, 69 Victoria Rd, Rozelle 2039	66585	1991	Premise Match	53m	North East
	MOTOR GARAGES & SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	64253	1986	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	BP Weston, 69 Victoria Rd., Rozelle. 2039.	56326	1982	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Western Service Station, 25 Victoria Rd., Rozelle. 2039.	57832	1982	Premise Match	53m	North East
	MOTOR SERVICE STATIONS - PETROL, OIL	Western Service Station., 25 Victoria Rd., Rozelle, 2039	62041	1975	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL,OIL,Etc.	Western Service Station., 25 Victoria Rd., ROZELLE	341620	1970	Premise Match	53m	North East
	Motor Service Stations - Petrol, Oil, Etc.	Western Service Station, 25 Victoria Rd. Rozelle	126127	1965	Premise Match	53m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Western Service Station, 25 Victoria Rd. Rozelle	351275	1961	Premise Match	53m	North East
11	HOTELS-LICENSED.	Merton Hotel, 38 Victoria Rd., Rozelle. 2039	46863	1986	Premise Match	53m	East
	HOTELS - LICENSED. (H7150)	Merton Hotel, 38 Victoria Rd., Rozelle. 2039.	40903	1982	Premise Match	53m	East
	HOTELS-LICENSED.	Merton Hotel, 38 Victoria Rd., Rozelle. 2039	36263	1978	Premise Match	53m	East
	HOTELS-LICENCED	Merton Hotel., 38 Victoria Rd., Rozelle. 2039	43013	1975	Premise Match	53m	East
	HOTELS-LICENSED (H690)	Merton Hotel., 38 Victoria Rd., Rozelle	317430	1970	Premise Match	53m	East
	Hotels - Licensed	Merton Hotel, 38 Victoria Rd., Rozelle	101748	1965	Premise Match	53m	East
	HOTELS—LICENSED	Merton Hotel, 38 Victoria Rd., Rozelle	325511	1961	Premise Match	53m	East
	HOTELS-LICENSED	Merton Hotel, 38 Victoria Rd., Rozelle	63247	1950	Premise Match	53m	East
12	MIXED BUSINESSES (M408)	Miller Shop., 74 Victoria Rd., Rozelle	333325	1970	Premise Match	56m	North West
	Fruiterers & Greengrocers	Miller Shop (With Groceries), 74 Victoria Rel., Rozelle	91751	1965	Premise Match	56m	North West
	MIXED BUSINESS	Miller, M., 74 Victoria Rd., Rozelle	341833	1961	Premise Match	56m	North West
	GROCERS-RETAIL	Scott, A. K., 74 Victoria Rd., Rozelle	55579	1950	Premise Match	56m	North West

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13	CASH REGISTER MFRS. &/OR IMPS. &/OR DEALERS.	Access Business Machines, 76 Victoria Rd., Rozelle. 2039	13078	1986	Premise Match	60m	North West
	CASH REGISTER REPAIRERS.	Access Business Machines, 76 Victoria Rd., Rozelle.2039	13107	1986	Premise Match	60m	North West
	VETERINARY HOSPITALS, (V1800)	Balmain Veterinary Hospital, 76 Victoria Rd., Rozelle. 2039.	83325	1982	Premise Match	60m	North West
	STATIONERS-RETAIL (S516)	Corcoran, P. J. (Cards), 76 Victoria Rd., Rozelle	364485	1970	Premise Match	60m	North West
	NEWSAGENTS (N100)	Corcoran, P. J., 76 Victoria Rd., Rozelle	343454	1970	Premise Match	60m	North West
	NEWSAGENTS	Nairn, W. J. & D., 76 Victoria Rd., Rozelle	353329	1961	Premise Match	60m	North West
	BOOKSELLERS &/OR STATIONERS	Brigg, D. W., 76 Victoria Rd., Rozelle	9386	1950	Premise Match	60m	North West
	NEWSAGENTS	Brigg, D. W., 76 Victoria Rd., Rozelle	87857	1950	Premise Match	60m	North West
14	MIXED BUSINESS	Vermeulen, A., 36a Victoria Rd., Rozelle	342638	1961	Premise Match	74m	East
	MIXED BUSINESSES & GENERAL STORES	Hannan, T., 36 Victoria Rd., Rozelle	80111	1950	Premise Match	74m	East
15	Motor Service Stations - Petrol, Oil, Etc.	Eddy's Service Station., Victoria Rd. & Evans St., Rozelle	126122	1965	Road Intersection	78m	North West
16	CATERERS SUPPLIES.	Langco Industries Pty, Ltd., 28 Elizabeth St Rozelle.2039	13203	1986	Premise Match	80m	South West
	ELECTRICAL SUPPLIES &/OR APPLIANCES-MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St, Rozelle. 2039	27344	1986	Premise Match	80m	South West
	ELECTRIC URNS MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	26932	1986	Premise Match	80m	South West
	ELECTRICAL SUPPLIES &/OR APPLIANCES-WHOLESALE.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	27632	1986	Premise Match	80m	South West
	HOT WATER SYSTEMS-INDUSTRIAL.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	46388	1986	Premise Match	80m	South West
	KITCHEN EQUIPMENT - INDUSTRIAL - MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	50256	1986	Premise Match	80m	South West
	ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL. (E7140)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle 2039.	28141	1982	Premise Match	80m	South West
	HOT WATER SYSTEMS-INDUSTRIAL. (H6750)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	40463	1982	Premise Match	80m	South West
	BATH &/OR SINK HEATERS - ELECTRIC MFRS. &/OR DISTS. (B1380)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	4863	1982	Premise Match	80m	South West
	COPPERS - ELECTRIC &/OR GAS - MFRS. &/OR DISTS. (C7998)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	18091	1982	Premise Match	80m	South West
	DIE & PRESS TOOL MAKERS. (D3050)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	21457	1982	Premise Match	80m	South West
	ELECTRIC URNS MFRS. &/OR DISTS. (E3000)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	25315	1982	Premise Match	80m	South West
	ELECTRICAL SUPPLIES &/OR APPLIANCES - MFRS. (E3780)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	25651	1982	Premise Match	80m	South West
	ELECTRICAL SUPPLIES &/OR APPLIANCES - WHOLESALE. (E3870)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	25925	1982	Premise Match	80m	South West
	HOT WATER SYSTEMS - ELECTRIC MFRS. &/OR GISTS. (H6500)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	40438	1982	Premise Match	80m	South West
	PLASTIC DIE &/OR MOULD MFRS.(P5640)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	64554	1982	Premise Match	80m	South West
	ROOM HEATERS - ELECTRIC - MFRS. &/OR DISTS. (R6650)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	72437	1982	Premise Match	80m	South West
	ELECTRICAL SUPPLIES &/OR APPLIANCES-MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	22672	1978	Premise Match	80m	South West
	BATH &/OR SINK HEATERS-ELECTRIC MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	4433	1978	Premise Match	80m	South West
	COPPERS - ELECTRIC &/OR GAS -MFRS.&/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	16335	1978	Premise Match	80m	South West

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16	DIE & PRESS TOOL MAKERS	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	18955	1978	Premise Match	80m	South West
	ELECTRIC URNS MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	22288	1978	Premise Match	80m	South West
	ENGINEERS- GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	25198	1978	Premise Match	80m	South West
	HOT WATER SYSTEMS-INDUSTRIAL.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	35867	1978	Premise Match	80m	South West
	HOT WATER SYSTEMS-ELECTRIC MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	35839	1978	Premise Match	80m	South West
	PLASTIC DIE &/OR MOULD MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	57511	1978	Premise Match	80m	South West
	ROOM HEATERS-ELECTRIC-MFRS, &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	63960	1978	Premise Match	80m	South West
	INSULATOR MFRS. &/OR DISTS.	Canney & Towe Pty. Ltd., 36 Alfred St. Rozelle.	44784	1975	Premise Match	80m	South West
	ELECTRICAL INSULATION &/OR INSULATORS MFRS. &/OR IMPS. &/OR DISTS.	Canney & Towe Pty. Ltd., 36 Alfred St., Rozelle.	26084	1975	Premise Match	80m	South West
	ELECTRICAL TRANSMISSION LINE FITTINGS &/OR ACCESSORIES MFRS. &/OR DISTS	Canney & Towe Pty. Ltd., 36 Alfred St., Rozelle.	26715	1975	Premise Match	80m	South West
	ELECTRIC URNS MFRS. &/OR DISTS.	Langco Industries Pty. Ltd, 28 Elizabeth St., Rozelle.	25763	1975	Premise Match	80m	South West
	ELECTRIC IRON MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	25283	1975	Premise Match	80m	South West
	ELECTRICAL SUPPLIES &/OR APPLIANCES-MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	26173	1975	Premise Match	80m	South West
	HOT WATER SYSTEMS-INDUSTRIAL	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	42578	1975	Premise Match	80m	South West
	BATH &/OR SINK HEATER-GAS MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	4613	1975	Premise Match	80m	South West
	BATH &/OR SINK HEATERS-ELECTRIC MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	4627	1975	Premise Match	80m	South West
	COPPERS - ELECTRIC &/OR GAS - MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	18917	1975	Premise Match	80m	South West
	DIE AND PRESS TOOL MAKERS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	21842	1975	Premise Match	80m	South West
	ELECTRIC JUG MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	25287	1975	Premise Match	80m	South West
	ELECTRIC TOASTER MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	25717	1975	Premise Match	80m	South West
	ELECTRICAL SUPPLIES &/OR APPLIANCES-W/SALE	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	26602	1975	Premise Match	80m	South West
	ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	29144	1975	Premise Match	80m	South West
	HOT WATER SYSTEMS-ELECTRIC MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	42548	1975	Premise Match	80m	South West
	HOT WATER SYSTEMS-GAS MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	42566	1975	Premise Match	80m	South West
	PLASTIC DIE &/OR MOULD MFRS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	67715	1975	Premise Match	80m	South West
	ROOM HEATERS-ELECTRIC-MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	74688	1975	Premise Match	80m	South West
	ROOM HEATERS-GAS-MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle.	74703	1975	Premise Match	80m	South West
	ELECTRIC LIGHT GLOBE &/OR ELEMENT MFRS. & DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	88213	1975	Premise Match	80m	South West
	ELECTRICAL CONTRACTORS-LICENSED FIRMS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039.	26018	1975	Premise Match	80m	South West
	BOTTLE MERCHANTS &/OR EXCHANGES.	Rozelle Bottle Exchange, 68 Quirk St., Rozelle. 2039	7962	1975	Premise Match	80m	South West
	ELECTROPLATERS (E370)	Associated Plating Co. Pty. Ltd., 28 Elizabeth St., Rozelle	296565	1970	Premise Match	80m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
16	ELECTRODES-EARTHING-COPPER CLAD	AUSTRALIAN INSULATOR IRONWORKS PTY LTD, 34 ALFRED St., ROZELLE, 2039	296304	1970	Premise Match	80m	South West
	BOLT & NUT MFRS. &/OR DISTS. (B520)	Australian Insulator Ironworks Pty. Ltd., 34 Alfred St., Rozelle	268016	1970	Premise Match	80m	South West
	ELECTRICAL TRANSMISSION LINE FITTINGS OR ACCESSORIES-MFRS.&/OR DISTS.(E338)	Australian Insulator Ironworks Pty. Ltd., 34 Alfred St., Rozelle.	296271	1970	Premise Match	80m	South West
	FORGINGS MANUFACTURERS (F507)	Australian Insulator Ironworks Pty. Ltd., 34 Alfred St., Rozelle.	305860	1970	Premise Match	80m	South West
	ELECTRICAL INSULATION & INSULATORS MFRS. &/OR IMP. &/OR DISTRIBUTORS (E310)	Canney & Towe Pty. Ltd., 36-40 Alfred St., Rozelle	295455	1970	Premise Match	80m	South West
	ELECTRICAL TRANSMISSION LINE FITTINGS OR ACCESSORIES-MFRS.&/OR DISTS.(E338)	Canney & Towe Pty. Ltd., 36-40 Alfred St., Rozelle	296274	1970	Premise Match	80m	South West
	INSULATOR MANUFACTURERS (I505)	Canney & Towe Pty. Ltd., 36-40 Alfred St., Rozelle	319916	1970	Premise Match	80m	South West
	ELECTRIC TOASTER MFRS. (E270)	Langco Industries Pty Ltd., 28 Elizabeth St., Rozelle	294549	1970	Premise Match	80m	South West
	ELECTRIC IRON MFRS.(E150)	Langco Industries Pty. Ltd, 28 Elizabeth St, Rozelle	293767	1970	Premise Match	80m	South West
	ROOM HEATERS-ELECTRIC-MFRS. &/OR DISTS. (R420)	Langco Industries Pty. Ltd, 28 Elizabeth St, Rozelle	357916	1970	Premise Match	80m	South West
	BATH & SINK HEATERS - ELECTRIC - MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St, Rozelle	265051	1970	Premise Match	80m	South West
	BATH & SINK HEATERS - GAS - MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	265077	1970	Premise Match	80m	South West
	COPPERS-ELECTRIC-MFRS. &/OR DISTS. (C659)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	285810	1970	Premise Match	80m	South West
	DIE & PRESS TOOL MAKERS (D231)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	289460	1970	Premise Match	80m	South West
	ELECTRIC ELEMENT MFRS.&/OR DISTRIBUTORS (E100)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	293555	1970	Premise Match	80m	South West
	ELECTRIC JUG MFRS.(E155)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	293774	1970	Premise Match	80m	South West
	ELECTRIC LIGHT GLOBE & ELEMENT MFRS.&/OR DISTS. (E170)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	293908	1970	Premise Match	80m	South West
	ELECTRIC URNS MANUFACTURERS &/OR DISTRIBUTORS (E279)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	294619	1970	Premise Match	80m	South West
	ELECTRICAL SUPPLIES/APPLIANCES MANUFACTURERS (E320)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	296147	1970	Premise Match	80m	South West
	ELECTRICAL SUPPLIES/APPLIANCES-WHOLESALE	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	296038	1970	Premise Match	80m	South West
	HOT WATER SYSTEMS-ELECTRIC-MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	316880	1970	Premise Match	80m	South West
	HOT WATER SYSTEMS-GAS-MFRS. &/OR DISTRIBUTORS	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	316911	1970	Premise Match	80m	South West
	HOT WATER SYSTEMS-INDUSTRIAL	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	316928	1970	Premise Match	80m	South West
	PLASTIC DIE/MOULD MFRS. (P552)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	349439	1970	Premise Match	80m	South West
	ROOM HEATERS-GAS-MFRS. &/OR DISTRIBUTORS (R430)	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle	357944	1970	Premise Match	80m	South West
	ENGINEERS-GENERAL &/OR MFRG.&/OR MECHANICAL (E615)	Langco Industries Pty. Ltd., 28.Elizabeth St., Rozelle	299323	1970	Premise Match	80m	South West
	ELECTRICAL CONTRACTORS-LICENSED FIRMS (E305)	Langco Industries Pty. Ltd., 28-32 Elizabeth St., Rozelle, 2039	295046	1970	Premise Match	80m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
16	ELECTRICAL SUPPLIES/APPLIANCES RETAILERS	Langco Industries., 32 Alfred St., Rozelle	295764	1970	Premise Match	80m	South West
	BOTTLE MERCHANTS & EXCHANGES (B610)	Rozelle Bottle Exchange., 68 Quirk St., Rozelle	269389	1970	Premise Match	80m	South West
	Electroplaters	Associated Plating Co. Pty. Ltd., 28 Elizabeth St., Rozelle	80143	1965	Premise Match	80m	South West
	Metal Polishers	Associated Plating Co. Pty. Ltd., 28 Elizabeth St., Rozelle	114310	1965	Premise Match	80m	South West
	Bolt & Nut Mfrs. &/or Dists.	Australian Insulator Ironworks Pty. Ltd., 36-40 Alfred St, Rozelle	52449	1965	Premise Match	80m	South West
	Electrical Transmission Line Fittings or Accessories - Mfrs. &/or Dists	Australian Insulator Ironworks Pty. Ltd., 36-40 Alfred St., Rozelle	79932	1965	Premise Match	80m	South West
	Forgings Manufacturers	Australian Insulator Ironworks Pty. Ltd., 36-40 Alfred St., Rozelle	89216	1965	Premise Match	80m	South West
	Electrical Transmission Line Fittings or Accessories - Mfrs. &/or Dists	Canney & Tome Pty. Ltd., 36-40 Alfred St., Rozelle	79935	1965	Premise Match	80m	South West
	Electrical Insulation & Insulations Mfrs. &/or Imp. &/or Dists.	Canney & Towe Pty. Ltd., 36-40 Alfred St., Rozelle	79113	1965	Premise Match	80m	South West
	Insulator Manufacturers	Canney & Towe Pty. Ltd., 36-40 Alfred St., Rozelle	104055	1965	Premise Match	80m	South West
	Electric Element Mfrs. &/or Distributors	Langco Electric, 28 Elizabeth St., Rozelle	77341	1965	Premise Match	80m	South West
	Coppers - Electric - Mfrs. &/or Dists.	Langco Industries, 28-32 Elizabeth St., Rozelle	70536	1965	Premise Match	80m	South West
	Electric Iron Mfrs.	Langco Industries, 28-32 Elizabeth St., Rozelle	77565	1965	Premise Match	80m	South West
	Electric Jug Mfrs.	Langco Industries, 28-32 Elizabeth St., Rozelle	77578	1965	Premise Match	80m	South West
	Electric Toaster Mfrs.	Langco Industries, 28-32 Elizabeth St., Rozelle	78380	1965	Premise Match	80m	South West
	Electric Urns - Manufacturers &/or Distributors	Langco Industries, 28-32 Elizabeth St., Rozelle	78452	1965	Premise Match	80m	South West
	Hot Water Systems - Electric - Mfrs. &/or Dists.	Langco Industries, 28-32 Elizabeth St., Rozelle	101200	1965	Premise Match	80m	South West
	Electrical Contractors - Licensed Firms	Langco industries., 28-32 Elizabeth St., Rozelle	78993	1965	Premise Match	80m	South West
	Electrical Supplies/Appliances - Wholesale	Langco Industries., 28-32 Elizabeth St., Rozelle	79805	1965	Premise Match	80m	South West
	Electrical Supplies/Appliances Mfrs.	Langco Industries., 28-32 Elizabeth St., Rozelle	79209	1965	Premise Match	80m	South West
	Electrical Supplies/Appliances Retailers	Langco Industries., 32 Alfred St., Rozelle	79522	1965	Premise Match	80m	South West
	BOLT & NUT MFRS. &/OR DISTS.	Australian Insulator Ironworks Pty. Ltd., Alfred St., Rozelle	274053	1961	Premise Match	80m	South West
	INSULATOR MANUFACTURERS	Australian Insulator Ironworks Pty. Ltd., Alfred St., Rozelle	327640	1961	Premise Match	80m	South West
	COPPERS-ELECTRIC-MFRS. &/OR DISTS.	Langco Industries, 32 Alfred St., Rozelle	293172	1961	Premise Match	80m	South West
	ELECTRIC JUG MFRS.	Langco Industries, 32 Alfred St., Rozelle	300608	1961	Premise Match	80m	South West
	ELECTRICAL SUPPLIES/APPLIANCES MANUFACTURERS	Langco Industries, 32 Alfred St., Rozelle	302886	1961	Premise Match	80m	South West
	ELECTRICAL SUPPLIES/APPLIANCES RETAILERS	Langco Industries, 32 Alfred St., Rozelle	303252	1961	Premise Match	80m	South West
	HOT WATER SYSTEMS-ELECTRIC-MFRS. &/OR DISTS.	Langco Industries, 32 Alfred St., Rozelle	324952	1961	Premise Match	80m	South West
	ELECTRIC IRON MFRS.	Langco Industries, 32-34 Alfred St., Rozelle	300595	1961	Premise Match	80m	South West
	ELECTRIC TOASTER MFRS.	Langco Industries, 32-34 Alfred St., Rozelle	301439	1961	Premise Match	80m	South West
	BOTTLE MERCHANTS & EXCHANGES	Rozelle Bottle Exchange, 68 Quirk St., Rozelle	275444	1961	Premise Match	80m	South West

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16	BOTTLE MERCHANTS & EXCHANGES	Bunyon, A., 68 Quirk St., Rozelle	10902	1950	Premise Match	80m	South West
	ELECTRICAL SUPPLIES & APPLIANCES RETAILERS	Langco Electrics Pty. Ltd., 34 Alfred St., Rozelle	38631	1950	Premise Match	80m	South West
	WASHING MACHINE MANUFACTURERS	Langco Industries (Electric), 32-34 Alfred St., Rozelle	112332	1950	Premise Match	80m	South West
	ELECTRIC HEATING & COOKING APPLIANCE MFRS. &/OR DISTRIBUTORS	Langco Industries, 32-34 Alfred St., Rozelle	36640	1950	Premise Match	80m	South West
	ELECTRIC IRON MANUFACTURERS	Langco Industries, 32-34 Alfred St., Rozelle	36689	1950	Premise Match	80m	South West
	ELECTRIC LAMP (BED, DESK, STANDARD, Etc.) MFRS.	Langco Industries, 32-34 Alfred St., Rozelle	36717	1950	Premise Match	80m	South West
	ELECTRIC RANGE & STOVE IMPORTERS &/OR DISTRIBUTORS	Langco Industries, 32-34 Alfred St., Rozelle	37104	1950	Premise Match	80m	South West
	ELECTRIC TOASTER MANUFACTURERS	Langco Industries, 32-34 Alfred St., Rozelle	37263	1950	Premise Match	80m	South West
	BREWERS' & MALTSTERS' SUPPLIES	Muir, R. E., 26 Elizabeth St., Rozelle	11251	1950	Premise Match	80m	South West
	COOPERS & VAT MAKERS	Muir, R. E., 26 Elizabeth St., Rozelle	28974	1950	Premise Match	80m	South West
17	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Andinous, H. Service Station, 86 Victoria Rd., Rozelle.	49312	1978	Premise Match	81m	North West
	MOTOR SERVICE STATIONS - PETROL, OIL	Andinous. H. Service Station, 86 Victoria Rd., Rozelle.	61394	1975	Premise Match	81m	North West
	BOOT & SHOE REPAIRERS	Garlick, W., 94 Victoria Rd., Rozelle	268855	1970	Premise Match	81m	North West
	Associations - Employers - Indust. & Professional	Farriers' Ass'n of N.S.W., Master., 88 Victoria Rd., Rozelle	47295	1965	Premise Match	81m	North West
	BOOT & SHOE REPAIRERS	Garlick, W., 94 Victoria Rd., Rozelle	53291	1965	Premise Match	81m	North West
	BOOT & SHOE REPAIRERS	Garlick, W., 94 Victoria Rd., Rozelle	274793	1961	Premise Match	81m	North West
	PRINTERS-LETTERPRESS	Graphic Printing Co., 92 Victoria Rd., Rozelle	362195	1961	Premise Match	81m	North West
	BOILERMAKERS	Rozelle Welding & Engineering Works Pty Ltd., 90 Victoria Rd., Rozelle	274006	1961	Premise Match	81m	North West
	ENGINEERS-GENERAL/MFRG./ MECHANICAL	Rozelle Welding & Engineering Works Pty. Ltd., 90 Victoria Rd., Rozelle	306998	1961	Premise Match	81m	North West
	PROFILE CUTTING SPECIALISTS	Rozelle Welding & Engineering Works Pty. Ltd., 90 Victoria Rd., Rozelle	363023	1961	Premise Match	81m	North West
	SHIP BUILDERS/REPAIRERS	Rozelle Welding & Engineering Works Pty. Ltd., 90 Victoria Rd., Rozelle	249545	1961	Premise Match	81m	North West
	STEEL FABRICATORS	Rozelle Welding & Engineering Works Pty. Ltd., 90 Victoria Rd., Rozelle	253524	1961	Premise Match	81m	North West
	WELDERS-ELECTRIC &/OR OXY	Rozelle Welding & Engineering Works Pty. Ltd., 90 Victoria Rd., Rozelle	262424	1961	Premise Match	81m	North West
	BOOT & SHOE REPAIRERS	Garrick, W., 94 Victoria Rd., Rozelle	10197	1950	Premise Match	81m	North West
	BOOT & SHOE REPAIRERS	Jarlick, W., 88 Victoria Rd., Rozelle	10305	1950	Premise Match	81m	North West
	WELDERS-ELECTRIC &/OR OXY	Rozelle Welding and Engineering (A. A. King and J. F. King), 88 Victoria Rd., Rozelle	113055	1950	Premise Match	81m	North West
	BOILERMAKERS	Rozelle Welding and Engineering, 88 Victoria St., Rozelle	9122	1950	Premise Match	81m	North West
	ENGINEERS-CONSTRUCTIONAL	Rozelle Welding and Engineers, 88 Victoria Rd., Rozelle	39919	1950	Premise Match	81m	North West
18	Customs Agents	S.F.I. Customs Services Pty. Ltd., 138 Evans St., Rozelle 2039	41186	1991	Premise Match	88m	North
	CUSTOMS AGENTS.	S.F.I. Customs Services Pty. Ltd., 138 Evans St., Rozelle. 2039	21024	1986	Premise Match	88m	North
	CUSTOMS-TARIFF CONCESSION CONSULTANTS.	S.F.I. Customs Services Pty. Ltd., 138 Evans St., Rozelle. 2039	21064	1986	Premise Match	88m	North

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18	FREIGHT FORWARDERS.	Swadling Freight International Pty Ltd., 138 Evans St., Rozelle. 2039	35466	1986	Premise Match	88m	North
	HAULAGE CONTRACTORS.	Swadling Freight International Pty. Ltd., 138 Evans St., Rozelle. 2039	44969	1986	Premise Match	88m	North
	SHIPPING AGENTS.	Swadling Freight International Pty. Ltd., 138 Evans St., Rozelle. 2039	86315	1986	Premise Match	88m	North
	TRAILER &/OR SEMI-TRAILER EQUIPMENT &/OR SPARE PARTS MFRS. &/OR IMPS. &/OR DISTS.	Swadling Freight International Pty. Ltd., 138 Evans St., Rozelle. 2039	94942	1986	Premise Match	88m	North
	FREIGHT FORWARDERS.	Swadling Freight International Pty. Ltd., 138-140 Evans Street, Rozelle. 2039	35355	1986	Premise Match	88m	North
	MIXED BUSINESSES (M408)	One-Thirty-Eight., 138-140 Evans St., Balmain	333505	1970	Premise Match	88m	North
	MIXED BUSINESSES (M408)	One-Thirty-Eight., 138-140 Evans St., Balmain	333504	1970	Premise Match	88m	North
	Mixed Businesses	"One-Thirty-Eight", 138-140 Evans St., Balmain	118264	1965	Premise Match	88m	North
	MIXED BUSINESS	White, R. J., 138 Evans St., Rozelle	342755	1961	Premise Match	88m	North
	NEWSAGENTS	White, R. J., 140 Evans St., Rozelle	88435	1950	Premise Match	88m	North
19	Spa Baths &/or Hot Tubs &/or Equipment Mfrs &/or Dists &/or Installers	Archer Spas Pty Ltd, 77 Victoria Rd Rozelle 2039	62863	1991	Premise Match	96m	North West
	Spa Baths &/or Hot Tubs &/or Equipment Mfrs &/or Dists &/or Installers	Performer Spa & Swimming Pool Co, 77 Victoria Rd Rozelle 2039	62872	1991	Premise Match	96m	North West
	Swimming Pool Mfrs &/or Construction Contractors	Performer Spa & Swimming Pool Co, 77 Victoria Rd Rozelle 2039	63799	1991	Premise Match	96m	North West
	SPA BATHS &/OR POOLS &/OR EQUIPMENT MFRS. &/OR DISTS.	Performer Spa & Swimming Pool Co., 77 Victoria Rd., Rozelle. 2039	87289	1986	Premise Match	96m	North West
	SWIMMING POOL &/OR EQUIPMENT MFRS. &/OR DISTS.	Performer Spa & Swimming Pool Co., 77 Victoria Rd., Rozelle. 2039.	90146	1986	Premise Match	96m	North West
	CARRIERS &/OR CARTAGE CONTRACTORS. (C2115)	Chambers, G. & T., 77 Victoria Rd., Rozelle. 2039.	13617	1982	Premise Match	96m	North West
	FUEL MERCHANTS - COAL, COKE &/OR WOOD. (F6950)	Pot Belly Stove Co. Pty. Ltd., 77 Victoria Rd., Rozelle. 2039.	34101	1982	Premise Match	96m	North West
	RANGES- FUEL &/OR SLOW COMBUSTION - MFRS. &/OR IMPS.&/OR DISTS. (R2040)	Pot Belly Stove Co. Pty. Ltd., 77 Victoria Rd., Rozelle. 2039.	68510	1982	Premise Match	96m	North West
	SCREEN PROCESS PRINTERS.	Concept Plastics Pty. Ltd., 81a Victoria Rd., Rozelle. 2039	65234	1978	Premise Match	96m	North West
	SIGN MFRS.	Concept Plastics Pty. Ltd., 81a Victoria Rd., Rozelle. 2039	66255	1978	Premise Match	96m	North West
	PLASTIC SIGNS &/OR LETTERS MFRS.	Concepts Plastics Pty. Ltd., 81a Victoria Rd., Rozelle. 2039	58030	1978	Premise Match	96m	North West
	FUEL MERCHANTS-COAL, COKE &/OR WOOD.	Pot Belly Stove Co. Pty. Ltd., 77 Victoria Rd., Rozelle. 2039	30972	1978	Premise Match	96m	North West
	RANGES-FUEL &/OR STOW COMBUSTION - MFRS. &/OR DISTS.	Pot Belly Stove Co. Pty. Ltd., 77 Victoria Rd., Rozelle. 2039	61261	1978	Premise Match	96m	North West
20	Caravan Accessories &/or Spare Parts Mfrs &/or Dists	McGill G E Pty Ltd, 67 Victoria Rd., Rozelle 2039	38072	1991	Premise Match	96m	East
	Engineers General	McGill G E Pty Ltd, 67 Victoria Rd., Rozelle 2039	44211	1991	Premise Match	96m	East
	AXLE &/OR SHAFT MFRS. &/OR DISTS.	Mcgill G E Pty Ltd., 67 Victoria Rd Rozelle, New South Wales	80897	1991	Premise Match	96m	East
	Trailer &/or Trailer Equipment Mfrs &/or Dists	McGill G. E Pty Ltd, 67 Victoria Rd Rozelle 2039	64859	1991	Premise Match	96m	East
	Axle &/or Axle Shaft Mfrs &/or Dists	McGill, G.E Pty. Ltd., 67 Victoria Rd., Rozelle 2039	35132	1991	Premise Match	96m	East
	Bearings &/or Bush Mfrs &/or Imps &/or Dists	McGill, G.E. Pty Ltd, 67 Victoria Rd, Rozelle 2039	35852	1991	Premise Match	96m	East

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20	ENGINEERS – GENERAL &/ OR MANUFACTURING &/ OR MECHANICAL.	Mcgill, G. E. Pty, Ltd., 87 Victoria Rd., Rozelle. 2039	30139	1986	Premise Match	96m	East
	TRAILER AXLE MFRS. &/OR DISTS.	Mcgill, G. E. Pty. Ltd. 67 Victoria Road, Rozelle. 2039	94855	1986	Premise Match	96m	East
	AXLE &/OR AXLE SHAFT MFRS. &/OR DISTS.	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	4912	1986	Premise Match	96m	East
	CARAVAN ACCESSORIES, FITTINGS &/OR SPARE PARTS MFRS. &/OR DISTS.	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	12216	1986	Premise Match	96m	East
	TRAILER &/OR SEMI-TRAILER EQUIPMENT &/OR SPARE PARTS MFRS. &/OR IMPS. &/OR DISTS.	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	94928	1986	Premise Match	96m	East
	TRAILER AXLE MFRS. &/OR DISTS.	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	94861	1986	Premise Match	96m	East
	BALL &/OR ROLLER BEARINGS MFRS. &/OR IMPS. &/OR DISTS.	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle.2039	5235	1986	Premise Match	96m	East
	FLEXIBLE SHAFTING &/OR TUBING MFRS. &/OR DISTS. (F3425)	Flexitor Independant Rubber Suspensions, 67 Victoria Rd., Rozelle. 2039.	31190	1982	Premise Match	96m	East
	TRAILING AXLE MFRS (T7025)	McGill, G. E Pty. Ltd., 67 Victoria Rd., Rozelle. 2039.	81577	1982	Premise Match	96m	East
	ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL. (E7140)	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle 2039.	28181	1982	Premise Match	96m	East
	AXLE &/OR AXLE SHAFT MFRS.(A9030)	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039.	4275	1982	Premise Match	96m	East
	BALL &/OR ROLLER BEARINGS MFRS. &/OR IMPS. &/OR DISTS.(B0760)	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039.	4699	1982	Premise Match	96m	East
	CARAVAN FITTINGS &/OR SPARE PARTS MFRS. (C1245)	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039.	13119	1982	Premise Match	96m	East
	TRAILER &/OR SEMI-TRAILER SPARE PART MFRS. &/OR DISTS.(T6875)	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039.	81539	1982	Premise Match	96m	East
	TRAILER AXLE MFRS. &/OR DISTS.(T6750)	McGill, G.E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039.	81486	1982	Premise Match	96m	East
	CARAVAN FITTINGS &/OR SPARE PARTS MFRS.	Mcgill G.E. Pty. Ltd. 67 Victoria Rd., Rozelle. 2039	11234	1978	Premise Match	96m	East
	TRAILING AXLE MFRS.	McGill, & E. Pty. Ltd, 67 Victoria Rd, Rozelle. 2039	72078	1978	Premise Match	96m	East
	TRAILER &/OR SEMI TRAILER SPARE PART MFRS. &/OR DISTS.	McGill, G. E Pty. Ltd, 67 Victoria Rd, Rozelle. 2039	72052	1978	Premise Match	96m	East
	AXLE &/OR AXLE SHAFT MFRS.	McGill, G. E Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	3956	1978	Premise Match	96m	East
	TRAILING AXLE MFRS.	Mcgill, G. E. Pty. Ltd, 67 Victoria Rd, Rozelle. 2039	72072	1978	Premise Match	96m	East
	CARAVAN FITTINGS &/OR SPARE PARTS MFRS.	McGill, G. E. Pty. Ltd, 67 Victoria Rd., Rozelle. 2039	11247	1978	Premise Match	96m	East
	AXLE &/OR AXLE SHAFT MFRS.	Mcgill, G. E. Pty. Ltd. 67 Victoria Road, Rozelle. 2039	3954	1978	Premise Match	96m	East
	ENGINEERS- GENERAL &/OR MANUFACTURING &/OR MECHANICAL	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	25252	1978	Premise Match	96m	East
	CARAVAN FITTINGS &/OR SPARE PARTS MFRS.	McGill G. E. Pty. Ltd. 67 Victoria Rd., Rozelle, 2039	13125	1975	Premise Match	96m	East
	CARAVAN FITTINGS &/OR SPARE PARTS MFRS.	McGill, & E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	13144	1975	Premise Match	96m	East
	TRAILING AXLE MFRS	McGill, G E. Pty. Ltd., 67 Victoria Rd., Rozelle, 2039	84814	1975	Premise Match	96m	East
	AXLE &/OR AXLE SHAFT MFRS.	McGill, G. E. Pty. Ltd., 67 Victoria Rd, Rozelle. 2039	3736	1975	Premise Match	96m	East
	TRAILER &/OR SEMI TRAILER SPARE PART MFRS &/OR DISTS	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle, 2039	84796	1975	Premise Match	96m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
20	TRAILING AXLE MFRS	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle, 2039	84810	1975	Premise Match	96m	East
	ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL	McGill, G. E. Pty. Ltd., 67 Victoria Rd., Rozelle. 2039	29197	1975	Premise Match	96m	East
	TRAILING AXLE MFRS.(T595)	McGill, G. E. Pty. Ltd., 23 Victoria Rd, Rozelle, 2039.	370754	1970	Premise Match	96m	East
	AXLE & AXLE SHAFT MFRS. (A665)	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	263989	1970	Premise Match	96m	East
	CARAVAN FITTINGS & SPARE PARTS MANUFACTURERS (C097)	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	277345	1970	Premise Match	96m	East
	ENGINEERS-GENERAL &/OR MFRG.&/OR MECHANICAL (E615)	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	298959	1970	Premise Match	96m	East
	TRAILER & SEMI-TRAILER SPARE PARTS-MFRS. &/OR DISTS.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	370714	1970	Premise Match	96m	East
	Axle & Axle Shaft Mfrs.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	48698	1965	Premise Match	96m	East
	Caravan Fittings & Spare Parts Mfrs.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	62060	1965	Premise Match	96m	East
	Engineers General &/or Mfrg. &/or Mechanical	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	82603	1965	Premise Match	96m	East
	Trailer & Semi-Trailer Spare Parts - Mfrs. &/or Dists.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	153602	1965	Premise Match	96m	East
	Trailing Axle Mfrs.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	153616	1965	Premise Match	96m	East
	AXLE & AXLE SHAFT MFRS.	McGill G E Pty Ltd 23 Victoria Rd., Rozelle	270306	1961	Premise Match	96m	East
	AXLE & AXLE SHAFT MFRS.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	270307	1961	Premise Match	96m	East
	CARAVAN FITTINGS & SPARE PARTS, MANUFACTURERS	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	283839	1961	Premise Match	96m	East
	ENGINEERS-GENERAL/MFRG./ MECHANICAL	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	306756	1961	Premise Match	96m	East
	TRAILER & SEMI-TRAILER SPARE PARTS-MFRS. &/OR DISTS.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	259177	1961	Premise Match	96m	East
	TRAILING AXLE,MFRS.	McGill, G. E. Pty. Ltd., 23 Victoria Rd., Rozelle	259187	1961	Premise Match	96m	East
	PRINTERS' ENGINEERS	McGill, G. E., 23 Victoria Rd., Rozelle	361838	1961	Premise Match	96m	East
21	ELECTRICAL CONTRACTORS-LICENSED	Good, W. A., 23 Hartley St., Rozelle	301971	1961	Premise Match	98m	North East

Business Directory Records 1950-1991
Road or Area Matches

Universal Business Directory records from years 1991, 1986, 1982, 1978, 1975, 1970, 1965, 1961 & 1950, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	MEDICAL PRACTITIONERS.	Currie, R. A. D., 121 Victoria Rd., Rozelle. 2039	54414	1986	Road Match	0m
	FUNERAL DIRECTORS.	Jeffrey Bros. Funeral, 105 Victoria Rd., Rozelle. 2039	36523	1986	Road Match	0m
	FURNITURE &/OR FURNISHINGS-RETAIL.	Whitewood Warehouse, 20 Victoria Rd., Rozelle 2039	37352	1986	Road Match	0m
	TAKE-AWAY FOODS.	Wongs Take Away, 18 Victoria Rd., Rozelle. 2039	91981	1986	Road Match	0m
	OYSTER FARMERS. (O4800)	Arrow Diving Co, Pty. Ltd., Victoria Rd., Balmain.	62076	1982	Road Match	0m
	MARINE EQUIPMENT MFRS. &/OR DISTS. (M1120)	Arrow Diving Co. Pty. Ltd., Victoria Rd., Balmain.	46500	1982	Road Match	0m
	SALVAGE CONTRACTORS-MARINE. (S0450)	Arrow Diving Co. Pty. Ltd., Victoria Rd., Balmain.	72893	1982	Road Match	0m
	HOTELS - LICENSED. (H7150)	Bridge Hotel, 127 Victoria St., Rozelle Junction. 2039.	40612	1982	Road Match	0m
	MEDICAL PRACTITIONERS. (M2020)	Currie, R. A. D., 121 Victoria Rd., Rozelle. 2039.	47775	1982	Road Match	0m
	PHYSIOTHERAPISTS. (P4060)	Currie, R. A. D., 121 Victoria Rd., Rozelle. 2039.	63952	1982	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Esso Rozelle Service Station, 71 Victoria Rd., Rozelle. 2039.	56728	1982	Road Match	0m
	MOTOR CAR &/OR TRUCK DEALERS - NEW &/OR USED. (M5840)	Lance Melbourne Motors, 103 Victoria Rd., Rozelle. 2039.	54864	1982	Road Match	0m
	BOILERMAKERS. (B4080)	White Bay Container Service & Repair Co., Victoria Rd., White Bay. 2039.	7514	1982	Road Match	0m
	CONTAINER REPAIR & STORAGE.(C7478)	White Bay Container Service & Repair Co., Victoria Rd., White Bay. 2039.	17875	1982	Road Match	0m
	ENGINEERS - STRUCTURAL. (E8340)	White Bay Container Service & Repair Co., Victoria Rd., White Bay. 2039.	29403	1982	Road Match	0m
	SHIP BUILDERS &./OR REPAIRERS.(S2730)	White Bay Container Service & Repair Co., Victoria Rd., White Bay. 2039.	74496	1982	Road Match	0m
	STEEL FABRICATORS, (S6105)	White Bay Container Service & Repair Co., Victoria Rd., White Bay. 2039.	77036	1982	Road Match	0m
	WELDERS - ELECTRIC &/OR OXY.(W3160)	White Bay Container Service & Repair Co., Victoria Rd., White Bay. 2039.	84284	1982	Road Match	0m
	FURNITURE &/OR FURNISHINGS-RETAIL. (F7625)	Whitewood Warehouse, 20 Victoria Rd., Rozelle. 2039.	34879	1982	Road Match	0m
	PHYSIOTHERAPISTS.	Currie, R. A. D., 121 Victoria Rd., Rozelle. 2039	56889	1978	Road Match	0m
	MEDICAL PRACTITIONERS.	Currie. R. A. D., 121 Victoria Rd., Rozelle. 2039	42573	1978	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter, 71 Victoria Rd., Rozelle.	50021	1978	Road Match	0m
	VETERINARY SURGEONS.	Rozelle Veterinary Surgery, 81 Victoria Rd., Rozelle.2039	73622	1978	Road Match	0m
	CONTAINERS - CARGO - MFRS. &/OR DISTS. &/OR HIRERS.	Consolidated Cargo Services (N.S.W.) Pty. Ltd., 20 Victoria Rd., Rozelle, 2039	18723	1975	Road Match	0m
	PHYSIOTHERAPISTS.	Currie R. A. O., 121 Victoria Rd., Rozelle. 2039	67040	1975	Road Match	0m
	MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicenter 71 Victoria Rd., Rozelle.	61731	1975	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicenter 71 Victoria Rd., Rozelle.	61732	1975	Road Match	0m
	HAIRDRESSERS-GENTS.	Foxall, A., 61b Victoria Rd., Rozelle, 2039	40505	1975	Road Match	0m
	SOLICITORS.	Robinson, W. I., 123 Victoria Rd., Rozelle, 2039	78680	1975	Road Match	0m
	VETERINARY SURGEONS.	Rozelle Veterinary Surgery, 81 Victoria Rd., Rozelle, 2039	86283	1975	Road Match	0m
	RESTAURANTS.	Wong's, Victoria Rd., Rozelle, 2039	74194	1975	Road Match	0m
	TAKE-AWAY FOODS.	Wong's., Victoria Rd., Rozelle, 2039	82066	1975	Road Match	0m
	SAWMILLERS (S110)	Allen Taylor & Co. Ltd., Victoria Rd., Rozelle.	359296	1970	Road Match	0m
	TIMBER MERCHANTS (T385)	Allen Taylor & Co. Ltd., Victoria Rd., Rozelle.	368889	1970	Road Match	0m
	TIMBER EXPORTERS (T377)	Allen, Taylor & Co. Ltd., Victoria Rd., Rozelle	368790	1970	Road Match	0m
	TIMBER-CASE/CRATE-MILLERS	Allen, Taylor & Co. Ltd., Victoria Rd., Rozelle	369121	1970	Road Match	0m
	AUCTIONEERS-GENERAL (A620)	Baker, F. A. & Silver Pty. Ltd., 107 Victoria Rd., Rozelle	263614	1970	Road Match	0m
	REAL ESTATE AGENTS/VALUERS(R205)	Baker, F. A. & Silver Pty. Ltd., 107 Victoria Rd., ROZELLE	354964	1970	Road Match	0m
	DENTISTS (D140)	Boulton, K. R., 123 Victoria Rd., Rozelle	288399	1970	Road Match	0m
	SAWMILLERS (S110)	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	359307	1970	Road Match	0m
	WOOD MOULDING MFRS. (W380)	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	374972	1970	Road Match	0m
	BUILDERS' SUPPLIERS (B814)	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	271284	1970	Road Match	0m
	PLYWOOD MFRS./MERCHANTS (P622)	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	350898	1970	Road Match	0m
	TIMBER MERCHANTS (T385)	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	368935	1970	Road Match	0m
	TIMBER-CASE/CRATE-MILLERS	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	369122	1970	Road Match	0m
	WALLBOARD MERCHANTS (W025)	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	372841	1970	Road Match	0m
	PHYSIOTHERAPISTS (P312)	Currie, R. A. D., 121 Victoria Rd., Rozelle	348523	1970	Road Match	0m
	MEDICAL PRACTITIONERS (M216)	Currie, Roger, A. D., 111 Victoria Rd., Rozelle Junction	326587	1970	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL,OIL,Etc.	Esso Servicenter., 71 Victoria Rd., ROZELLE	341082	1970	Road Match	0m
	HAIRDRESSERS (GENT.'S) (H070)	Foxall, A., 81b Victoria Rd., Rozelle	313892	1970	Road Match	0m
	CRANES.-MOBILE-PROPRIETORS &/OR HIRERS (C737)	Hobbs Bros. (Carriers) Pty. Ltd., Victoria Rd., Rozelle Bay	286300	1970	Road Match	0m
	DRESS SHOPS (D595)	Hooper, H., 61 Victoria Rd., Rozelle	291335	1970	Road Match	0m
	TIMBER IMPORTERS &/OR DISTRIBUTORS (T380)	Lumber Suppliers Pty. Ltd., Victoria Rd, Rozelle	368845	1970	Road Match	0m
	TIMBER MERCHANTS (T385)	Lumber Suppliers Pty. Ltd., Victoria Rd., Rozelle	369021	1970	Road Match	0m
	FLOOR POLISHING MACHINE MFRS. &/OR DISTS.	Macks 101 Pty. Ltd., 7 Victoria Rd., Rozelle	656969	1970	Road Match	0m
	FENCING CONTRACTORS (F095)	Mac's Fencing Co., off Victoria Rd., Rozelle Bay.	302309	1970	Road Match	0m
	MOTOR TOWING SERVICES (M744)	Metropolitan & Country Towing Service., Victoria Rd., Rozelle	342521	1970	Road Match	0m
	SOLICITORS (S413)	Robinson, W. L., 123 Victoria Rd., Rozelle	362962	1970	Road Match	0m
	CAKE SHOPS & PASTRYCOOKS (C045)	Rozelle Junction Cakes & Rolls., 113a Victoria Rd., Rozelle	276854	1970	Road Match	0m
	VETERINARY SURGEONS (V150)	Rozelle Veterinary Surgery, 81 Victoria Rd., Rozelle	372757	1970	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	PLYWOOD MFRS./MERCHANTS (P622)	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	350971	1970	Road Match	0m
	TIMBER MERCHANTS (T385)	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	369059	1970	Road Match	0m
	WALLBOARD MERCHANTS (W025)	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	372879	1970	Road Match	0m
	VETERINARY SURGEONS (V150)	Taylor, R.C., 81 Victoria Rd., Rozelle	372770	1970	Road Match	0m
	GROCERS-RETAIL (G655)	Venner, A., 73 Victoria Rd., Rozelle	313123	1970	Road Match	0m
	Motor Car/Truck Dealers - New/Used	Apex Motors, 103 Victoria Rd., Rozelle	120492	1965	Road Match	0m
	Founders - Ferrous	Baskerville, J. Pty. Ltd., Victoria Rd., Rozelle	89351	1965	Road Match	0m
	Carriers & Cartage Contractors	Belli, Gruisseppe (Joe), Victoria Rd., Rozelle	62876	1965	Road Match	0m
	DENTISTS	Boulton, K. R., 123 Victoria Rd., Rozelle	73165	1965	Road Match	0m
	Sawmillers	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	142523	1965	Road Match	0m
	Wood Moulding Mfrs.	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	157790	1965	Road Match	0m
	Builders' Suppliers	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	56054	1965	Road Match	0m
	Plywood Manufacturers/Merchants	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	135133	1965	Road Match	0m
	TIMBER MERCHANTS	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	151780	1965	Road Match	0m
	TIMBER—CASE/CRATE—MILLERS	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	151633	1965	Road Match	0m
	Wallboard Merchants	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	155630	1965	Road Match	0m
	Medical Practitioners	Currie, Roger, A. D., 111 Victoria Rd., Rozelle Junction	111163	1965	Road Match	0m
	Plumbers, Gasfitters/Drainlayers	Donnelley, A. W. Pty. Ltd., 96 Victoria Rd., Rozelle	134845	1965	Road Match	0m
	Hairdressers (Gent.'s)/Tobacconists	Foxall, A., 81b Victoria Rd., Rozelle	98014	1965	Road Match	0m
	Cranes - Mobile - Proprietors & Hirers	Hobbs Bros. (Carriers) Pty. Ltd., Victoria Rd., Rozelle Bay	71080	1965	Road Match	0m
	Frock & Coat Salons	Hooper, H., 61 Victoria Rd., Rozelle	89957	1965	Road Match	0m
	Motor Service Stations - Petrol, Oil, Etc.	Hunter, G., Victoria Rd. Rozelle	126124	1965	Road Match	0m
	BOOT & SHOE REPAIRERS	Margiotta V., 59 Victoria Rd., Rozelle	53493	1965	Road Match	0m
	Motor Towing Services	Metropolitan & Country Towing Service, Victoria Rd., Rozelle	127120	1965	Road Match	0m
	Handbag/Glove Specialists	Rozelle Handbag Bar No. 2, 113 Victoria Rd., Rozelle Junct.	98848	1965	Road Match	0m
	Cake Shops & Pastrycooks	Rozelle Junction Cakes & Rolls,. 113a Victoria Rd., Rozelle	61569	1965	Road Match	0m
	Fruiterers & Greengrocers	Rozelle Junction Fruit Market, Victoria Rd., Rozelle	92042	1965	Road Match	0m
	Veterinary Surgeons	Rozelle Veterinary Surgery, 81 Victoria Rd., Rozelle	155534	1965	Road Match	0m
	TIMBER MERCHANTS	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	151936	1965	Road Match	0m
	Wallboard Merchants	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	155666	1965	Road Match	0m
	Grocers - Retail	Venner, A., 73 Victoria Rd., Rozelle	97251	1965	Road Match	0m
	FOUNDERS-FERROUS	Baskerville, J. Pty. Ltd., Victoria Rd., Rozelle	313487	1961	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS	Belli, Guisseppe (Joe), Victoria Rd., Rozelle	284536	1961	Road Match	0m
	MOTOR CAR/TRUCK DEALERS—NEW/USED	Bridge Motors, 103-105 Victoria Rd., Rozelle	344897	1961	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	SAWMILLERS	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	247990	1961	Road Match	0m
	SAWMILLERS' MACH. MERCHANTS	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	248061	1961	Road Match	0m
	WOOD MOULDING MFRS.	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	263504	1961	Road Match	0m
	TIMBER MERCHANTS	Clyde Sawmilling Company Pty Ltd Victoria Rd., Rozelle	257308	1961	Road Match	0m
	PLYWOOD MFRS./MERCHANTS	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	361109	1961	Road Match	0m
	WALLBOARD MERCHANTS	Clyde Sawmilling Company Pty. Ltd., Victoria Rd., Rozelle	261197	1961	Road Match	0m
	MEDICAL PRACTITIONERS	Currie, R., Victoria Rd., Rozelle	334909	1961	Road Match	0m
	FIBREGLASS PRODUCTS-MFRS. (MOULDING, FABRICATING, EXTRUSIONS, CONVERTERS, Etc.)	Fibreglass House, 107 Victoria Rd., Rozelle	310097	1961	Road Match	0m
	HAIRDRESSERS (GENT.'S) /TOBACCONISTS	Foxall, A., 81b Victoria Rd., Rozelle	322038	1961	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS-MASTER	Gallen, H., 65 Victoria Rd., Rozelle	285651	1961	Road Match	0m
	BUILDERS' SUPPLIERS	Hayes Timber Pty. Ltd., Victoria Rd., Rozelle	278233	1961	Road Match	0m
	PLYWOOD MFRS./MERCHANTS	Hayes Timber Pty. Ltd., Victoria Rd., Rozelle	361141	1961	Road Match	0m
	SAWMILLERS	Hayes Timber Pty. Ltd., Victoria Rd., Rozelle Bay	248014	1961	Road Match	0m
	TIMBER MERCHANTS	Hayes Timber Pty. Ltd., Victoria Rd., Rozelle Bay	257390	1961	Road Match	0m
	WALLBOARD MERCHANTS	Hayes Timber Pty. Ltd., Victoria Rd., Rozelle Bay	261216	1961	Road Match	0m
	HARDWARE DEALERS/IRONMONGERS	Hayes Timber Pty. Ltd., Victoria Rd.,Rozelle	323511	1961	Road Match	0m
	FROCK & COAT SALONS	Hooper, H., 61 Victoria Rd., Rozelle	314219	1961	Road Match	0m
	LAUNDRIES	Lawrence, 85 Victoria Rd., Rozelle	330686	1961	Road Match	0m
	BOOT & SHOE REPAIRERS	Margiotta, V., 59 Victoria Rd., Rozelle	274994	1961	Road Match	0m
	MOTOR BODY REPAIRS/CONVERTERS	Mayes Bros., 201 Victoria Rd., Rozelle	344392	1961	Road Match	0m
	MOTOR PAINTERS	Mayes Bros., 201 Victoria Rd., Rozelle	349000	1961	Road Match	0m
	MOTOR PANEL BEATERS	Mayes Bros., 201 Victoria Rd., Rozelle	349764	1961	Road Match	0m
	WELDERS-ELECTRIC &/OR OXY	Mayes Bros., 201 Victoria Rd., Rozelle	262278	1961	Road Match	0m
	FIBREGLASS PRODUCTS-MFRS. (MOULDING, FABRICATING, EXTRUSIONS, CONVERTERS, Etc.)	R.P.M. Industries Fibreglass Hse., 107 Victoria Rd., Rozelle	310116	1961	Road Match	0m
	FIBREGLASS PRODUCTS-MFRS. (MOULDING, FABRICATING, EXTRUSIONS, CONVERTERS, Etc.)	R.P.M. Industries., 107 Victoria Rd., Rozelle	310117	1961	Road Match	0m
	FRUITERERS/GREENGROCERS	Rozelle Junction Fruit Market, Victoria Rd., Rozelle	316112	1961	Road Match	0m
	MOTOR CAR/TRUCK DEALERS—NEW/USED	Rozelle Motors, 103 Victoria Rd., Rozelle	345362	1961	Road Match	0m
	VETERINARY SURGEONS	Rozelle Veterinary Surgery, 81 Victoria Rd., Rozelle	261117	1961	Road Match	0m
	MOTOR GARAGES & ENGINEERS	Sorrell, C. R., Victoria Rd. ROZELLE	348164	1961	Road Match	0m
	PLYWOOD MFRS./MERCHANTS	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	361192	1961	Road Match	0m
	TIMBER MERCHANTS	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	257524	1961	Road Match	0m
	WALLBOARD MERCHANTS	Suburban Timbers Pty. Ltd., Victoria Rd., Rozelle	261235	1961	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	VETERINARY SURGEONS	Taylor, Robert C., 81 Victoria Rd., Rozelle	261130	1961	Road Match	0m
	GROCERS-RETAIL	Venner, A., 73 Victoria Rd., Rozelle	321367	1961	Road Match	0m
	MOTOR GARAGES & ENGINEERS	White Bay Filling & Service Station, Victoria Rd. ROZELLE	348436	1961	Road Match	0m
	MOTOR BODY BUILDERS	White Bay Filling & Service Station, Victoria Rd., Rozelle	344234	1961	Road Match	0m
	MOTOR CAR/TRUCK DEALERS—NEW/USED	White Bay Filling & Service Station, Victoria Rd., Rozelle	345468	1961	Road Match	0m
	MOTOR ELECTRICIANS	White Bay Filling & Service Station, Victoria Rd., Rozelle	346191	1961	Road Match	0m
	MOTOR PAINTERS	White Bay Filling & Service Station, Victoria Rd., Rozelle	349272	1961	Road Match	0m
	MOTOR PANEL BEATERS	White Bay Filling & Service Station, Victoria Rd., Rozelle	350071	1961	Road Match	0m
	MOTOR SPARE PARTS DEALERS—RETAIL	White Bay Filling & Service Station, Victoria Rd., Rozelle	351786	1961	Road Match	0m
	PRINTERS' ENGINEERS	Benson, D. W., 107 Victoria Rd., Rozelle	94568	1950	Road Match	0m
	ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Benson, D., 107 Victoria Rd., Rozelle	40477	1950	Road Match	0m
	FOUNDERS-FERROUS	Brigden, G. H., Victoria Rd., Rozelle	47636	1950	Road Match	0m
	BEAUTY SALONS &/OR LADIES' HAIRDRESSERS	Chalker, P., 123 Victoria Rd., Rozelle	6968	1950	Road Match	0m
	TIMBER MERCHANTS	Clyde Sawmilling Co. Pty. Ltd., Victoria Rd., Rozelle	78029	1950	Road Match	0m
	HAIRDRESSERS (GENT.'S) &/OR TOBACCONISTS	Foxall, A., 83 Victoria Rd., Rozelle	59452	1950	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS	Gallen, H., 65 Victoria Rd., Rozelle	18870	1950	Road Match	0m
	CARRIERS & CARTAGE CONTRACTORS (MASTER)	Gallen, H., 65 Western Rd., Rozelle .	20183	1950	Road Match	0m
	DENTISTS	Harrison, H. B. R., 121 Victoria Rd., Rozelle	31961	1950	Road Match	0m
	CYCLE DEALERS & ACCESSORIES	Hawkins, H., 121 Victoria Rd., Rozelle	29908	1950	Road Match	0m
	CYCLE ACCESSORIES-MANUFACTURERS &/OR WHOLESALERS	Hawkins, M., 121 Victoria Rd., Rozelle	29800	1950	Road Match	0m
	FURNITURE-HOUSEHOLD-RETAILERS	Hill, M. S. W., 91 Weston Rd., Rozelle	53523	1950	Road Match	0m
	FROCK & COAT SALONS	Hooper, H., 61 Victoria Rd., Rozelle	48571	1950	Road Match	0m
	BOOT & SHOE REPAIRERS	Hyland, A., Cnr. Weston Rd. and Darling St., Rozelle	10296	1950	Road Match	0m
	LOCKSMITHS & KEY CUTTERS	Isenberg, L, 91 Victoria Rd., Rozelle	69709	1950	Road Match	0m
	LOCKSMITHS & KEY CUTTERS	Isenberg, L., 91 Victoria Rd., Rozelle	69710	1950	Road Match	0m
	ELECTROPLATERS	Lachlan Electroplating Works, 67 Victoria Rd., Rozelle	39201	1950	Road Match	0m
	DRY CLEANERS, PRESSERS & DYERS	Lawrence Dry Cleaners, 85 Victoria Rd., Rozelle	35393	1950	Road Match	0m
	LAUNDRIES	Lawrence, 85 Victoria Rd., Rozelle	67657	1950	Road Match	0m
	BOOT & SHOE REPAIRERS	Margiotta, V., 59 Victoria Rd., Rozelle	10409	1950	Road Match	0m
	ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	McGill, G. E., 107 Victoria Rd., Rozelle	41007	1950	Road Match	0m
	PRINTERS' ENGINEERS	McGill, G. E., 107 Victoria Rd., Rozelle	94580	1950	Road Match	0m
	ELECTRICAL CONTRACTORS &/OR ELECTRICIANS	McLaughlin Bros. (Agents for East End General Electric, Balmain), 75 Victoria Rd., Rozelle	37734	1950	Road Match	0m
	ARMATURE WINDERS	McLaughlin Bros., 75 Victoria Rd., Rozelle	2582	1950	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	MOTOR ELECTRICIANS	McLaughlin Bros., 75 Victoria Rd., Rozelle	83159	1950	Road Match	0m
	PIANO TUNERS & REPAIRERS	Meehan, E. J. and K. C., 87 Victoria Rd., Rozelle	92525	1950	Road Match	0m
	SEWING MACHINE REPAIRERS	Meehan, E. J. and K. C., 87 Victoria Rd., Rozelle	101499	1950	Road Match	0m
	MOTOR TOWING SERVICES	Metropolitan Towing Service 231 Victoria Rd., Rozelle	86932	1950	Road Match	0m
	FUNERAL DIRECTORS	Motor Funerals Ltd. 93 Weston Rd., Rozelle	52046	1950	Road Match	0m
	TIMBER MERCHANTS	N.S.W. Sash Door and Joinery Pty. Ltd., Victoria Rd., Rozelle	78061	1950	Road Match	0m
	CARPENTERS & JOINERS	N.S.W. Sash, Door and Joinery Pty. Ltd., 217 Victoria Rd., Rozelle	17969	1950	Road Match	0m
	SASH & DOOR MANUFACTURERS	N.S.W. Sash, Door and Joinery Works Pty. Ltd., 217-225 Victoria Rd., Rozelle	100557	1950	Road Match	0m
	FRUITERERS & GREENGROCERS	Newlyn, A. S., Victoria Rd., Rozelle	50817	1950	Road Match	0m
	TIMBER MERCHANTS	Northern Timber Pty. Ltd., Victoria Rd., Rozelle	78262	1950	Road Match	0m
	BAKERS-BREAD	Palme's Bakery, 79 Weston Rd., Rozelle	5413	1950	Road Match	0m
	ELECTROPLATERS' SUPPLIES	Plating Supplies Pty. Ltd., 67 Victoria Rd., Rozelle	39331	1950	Road Match	0m
	FISH MERCHANTS-RETAIL	Rozelle Fish Shop, 69 Victoria Rd., Rozelle	44557	1950	Road Match	0m
	TAILORS-LADIES &/OR GENT.'S	Shulman, J., 89 Victoria Rd., Rozelle	106722	1950	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS	Sorrell, C. R., Victoria Rd., Rozelle	84392	1950	Road Match	0m
	DRIVE YOURSELF CAR SERVICES	Sorrell's Drive Yourself Pty. Ltd., Weston Rd., Rozelle	34986	1950	Road Match	0m
	MEDICAL PRACTITIONERS	Stevenson, W. J., 73 Victoria Rd., Rozelle	73897	1950	Road Match	0m
	BAKERS-BREAD	Sunshine Bread Factory, 79-81 Victoria Rd., Rozelle	5493	1950	Road Match	0m
	GROCERS-RETAIL	Venner, A., 73 Victoria Rd., Rozelle	55974	1950	Road Match	0m
	FRUITERERS & GREENGROCERS	Wark, B., 179 Victoria St., Rozelle	51496	1950	Road Match	0m
	BUTCHERS-RETAIL	Weeden Geo. and Son, 57 Victoria Rd., Rozelle	14496	1950	Road Match	0m
	LAUNDRIES	Wentworth Laundry, 211 Victoria Rd., Rozelle	67741	1950	Road Match	0m
	MOTOR BODY BUILDERS	White Bay Filling and Service Station, Victoria Rd., Rozelle	82209	1950	Road Match	0m
	MOTOR CAR & TRUCK DEALERS-USED	White Bay Filling and Service Station, Victoria Rd., Rozelle	82602	1950	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS	White Bay Filling and Service Station, Victoria Rd., Rozelle	84550	1950	Road Match	0m
	MOTOR PAINTERS	White Bay Filling and Service Station, Victoria Rd., Rozelle	85101	1950	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, Etc.	White Bay Filling and Service Station, Victoria Rd., Rozelle	86518	1950	Road Match	0m
	MOTOR SPARE PARTS DEALERS-RETAIL	White Bay Filling and Service Station, Victoria Rd., Rozelle	86836	1950	Road Match	0m
	MOTOR TOWING SERVICES	White Bay Filling and Service Station, Victoria Rd., Rozelle	86980	1950	Road Match	0m
	MOTOR TRIMMERS	White Bay Filling and Service Station, Victoria Rd., Rozelle	87139	1950	Road Match	0m
	MOTOR ELECTRICIANS	White Bay Filling and Service Station., Victoria Rd., Rozelle	83234	1950	Road Match	0m
	MOTOR PANEL BEATERS	White Bay Filling and Service Stations, Victoria Rd., Rozelle	85581	1950	Road Match	0m
23	Mineral Processors/Refiners	Quality Earths Pty. Ltd., Gordon St., Rozelle	116272	1965	Road Match	0m
	Schools/Colleges - Private/Public	St. Joseph's Girls' & Infants' Schools., Gordon St., Rozelle	142934	1965	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
23	HOTELS—LICENSED	Easton Park Hotel, Gordon St., Rozelle	325298	1961	Road Match	0m
	SCHOOLS/COLLEGES-PRIVATE/PUBLIC	St. Joseph's Girls' & Infants' Schools, Gordon St., Rozelle	248423	1961	Road Match	0m
	MINERAL PROCESSORS &'REFINERS	Tubal Pty. Ltd., Gordon St., Rozelle	79035	1950	Road Match	0m
24	HOT WATER SYSTEMS-ELECTRIC MFRS. &/OR DISTS.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	46342	1986	Road Match	66m
	ELECTRICAL SUPPLIES &/OR APPLIANCES - WHOLESALE.	Langco Industries Pty. Ltd., 28 Elizabeth St., Rozelle. 2039	22974	1978	Road Match	66m
25	MOTOR GARAGES & ENGINEERS(M6S6)	Lakiss Service Station., Evans St., ROZELLE	338132	1970	Road Match	66m
	Hotels - Licensed	Welcome Hotel, Evans St., Rozelle	101959	1965	Road Match	66m
	HOTELS-LICENSED	Welcome Hotel, Evans St., Rozelle	63491	1950	Road Match	66m

Dry Cleaners, Motor Garages & Service Stations

48 Victoria Road, Rozelle, NSW 2039

Legend

- Site Boundary
- Buffer 250m
- Property Boundary
- Business directory records mapped to a specific premise
- Business directory records mapped to a road intersection
- Business directory records mapped to a road corridor
- Business directory records mapped to a general area

Scale: 0 40 80 120 160 Meters

Coordinate System: GDA 1994 MGA Zone 56

Date: 01 October 2021

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

Historical Business Directories

48 Victoria Road, Rozelle, NSW 2039

Dry Cleaners, Motor Garages & Service Stations 1948-1993 Premise or Road Intersection Matches

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

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

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter, 71 Victoria Rd., Rozelle	65597	1971	Premise Match	34m	North East
2	MOTOR GARAGES & SERVICE STATIONS.	Mobil Rozelle Service Station, 75 Victoria Rd., Rozelle. 2039	19151	1993	Premise Match	37m	North
	Motor Garages & Service Stations	Esso Rozelle Service Station, 75 Victoria Rd., Rozelle 2039	97332	1991	Premise Match	37m	North
	MOTOR GARAGES & SERVICE STATIONS.	Esso Rozelle Service Station, 75 Victoria Rd., Rozelle. 2039	11581	1990	Premise Match	37m	North
	MOTOR GARAGE & SERVICE STATIONS.	Esso Rozelle Service Station, 75 Victoria Rd., Rozelle. 2039	65039	1989	Premise Match	37m	North
	MOTOR GARAGES & SERVICE STATIONS.	Esso Rozelle Service Station, 75 Victoria Rd., Rozelle. 2039	59256	1988	Premise Match	37m	North
	MOTOR GARAGES & SERVICE STATIONS.	Esso Rozelle Service Station, 75 Victoria Rd., Rozelle. 2039	64659	1986	Premise Match	37m	North
3	MOTOR GARAGES & SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	18707	1993	Premise Match	53m	North East
	Motor Garages & Service Stations	BP Weston, 69 Victoria Rd, Rozelle 2039	66585	1991	Premise Match	53m	North East
	MOTOR GARAGES & SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	11227	1990	Premise Match	53m	North East
	MOTOR GARAGE & SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	64661	1989	Premise Match	53m	North East
	MOTOR GARAGES & SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	53784	1988	Premise Match	53m	North East
	MOTOR GARAGES & SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	64253	1986	Premise Match	53m	North East
	MOTOR GARAGES & SERVICE STATIONS.	BP Weston, 69 Victoria Rd, Rozelle.2039	65815	1985	Premise Match	53m	North East
	MOTOR GARAGES & SERVICE STATIONS.	Western Service Station, 25 Victoria Rd., Rozelle. 2039	45825	1985	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	27864	1984	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Western Service Station, 25 Victoria Rd., Rozelle. 2039	34384	1984	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Weston, 69 Victoria Rd., Rozelle. 2039	65756	1983	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Western Service Station., 25 Victoria Rd., Rozelle 2039	21828	1983	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	BP Weston, 69 Victoria Rd., Rozelle. 2039.	56326	1982	Premise Match	53m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
3	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Western Service Station, 25 Victoria Rd., Rozelle. 2039.	57832	1982	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Weston., 69 Victoria Rd., Rozelle. 2039	64006	1981	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Western Service Station., 25 Victoria Rd., Rozelle 2039	8411	1981	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	BP Weston., 69 Victoria Rd., Rozelle. 2039	51511	1980	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Western Service Station., 25 Victoria Rd., Rozelle. 2039	63165	1980	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Western Service Station., 25 Victoria Rd., Rozelle. 2039.	46599	1979	Premise Match	53m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Western Service Station., 25 Victoria Rd., Rozelle 2039	35195	1976	Premise Match	53m	North East
	MOTOR SERVICE STATIONS - PETROL, OIL	Western Service Station., 25 Victoria Rd., Rozelle, 2039	62041	1975	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Western Service Station., 25 Victoria Rd Rozelle	18155	1972	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL,OIL,Etc.	Western Service Station., 25 Victoria Rd., ROZELLE	341620	1970	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Western Service Station., 25 Victoria Rd Rozelle	50730	1969	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Western Service Station., 25 Victoria Rd Rozelle	36813	1968	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Western Service Station., 25 Victoria Rd Rozelle	16215	1967	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Western Service Station, 25 Victoria Rd., Rozelle	65481	1966	Premise Match	53m	North East
	Motor Service Stations - Petrol, Oil, Etc.	Western Service Station, 25 Victoria Rd. Rozelle	126127	1965	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Western Service Station., 25 Victoria Rd Rozelle	52378	1964	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Western Service Station., 25 Victoria Rd Rozelle	38658	1962	Premise Match	53m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Western Service Station, 25 Victoria Rd. Rozelle	351275	1961	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL,. OIL, ETC.	Western Service Station., 25 Victoria Rd Rozelle	24544	1959	Premise Match	53m	North East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Wester Service Station., 25 Victoria Rd Rozelle	9910	1958	Premise Match	53m	North East
4	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Eddie's Service Station., Victoria Rd & Evans St Rozelle	50725	1969	Road Intersection	78m	North West
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Eddie's Service Station., Victoria Rd & Evans St Rozelle	36808	1968	Road Intersection	78m	North West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
4	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Eddie's Service Station., Victoria Rd & Evans St Rozelle	16210	1967	Road Intersection	78m	North West
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Eddie's Service Station., Victoria Rd & Evans St Rozelle	1778	1966	Road Intersection	78m	North West
	Motor Service Stations - Petrol, Oil, Etc.	Eddy's Service Station., Victoria Rd. & Evans St., Rozelle	126122	1965	Road Intersection	78m	North West
5	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Andinous H. Service Station., 86 Victoria Rd., Rozelle. 2029.	40794	1979	Premise Match	81m	North West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Andinous, H. Service Station, 86 Victoria Rd., Rozelle.	49312	1978	Premise Match	81m	North West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Andinous. H. Service Station., 86 Victoria Rd., Rozelle 2029	25025	1976	Premise Match	81m	North West
	MOTOR SERVICE STATIONS - PETROL, OIL	Andinous. H. Service Station, 86 Victoria Rd., Rozelle.	61394	1975	Premise Match	81m	North West
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Andinous H. Service Station., 86 Victoria Rd Rozelle	18150	1972	Premise Match	81m	North West
6	DRY CLEANERS, PRESSERS &/OR DYERS.	Westley Dry Cleaners., 138 Evans St., Rozelle 2039	7364	1972	Premise Match	88m	North
	DRY CLEANERS, PRESSERS &/OR DYERS	Westley Dry Cleaners., 138 Evans St., Rozelle 2039	55109	1971	Premise Match	88m	North
7	MOTOR GARAGES & ENGINEERS	Rozelle Motor Repairs., 3a Joseph St., Rozelle	48616	1964	Premise Match	114m	East
	MOTOR GARAGES & ENGINEERS.	Buttris F., 3a Joseph St., Rozelle	19928	1959	Premise Match	114m	East
8	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Lakiss Service Station (Amoco)., 96 Victoria Rd Rozelle	18152	1972	Premise Match	122m	North West
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Lakiss Service Station (Amoco), 96 Victoria Rd., Rozelle	65599	1971	Premise Match	122m	North West
9	DRY CLEANERS, PRESSERS &/OR DYERS	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd., Rozelle	55038	1971	Premise Match	141m	North West
	DRY CLEANERS,PRESSERS /DYERS (D710)	Steins Dry Cleaning & Art Dyeing, 102 Victoria Rd., Rzle	292526	1970	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS/ DYERS	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd., Rozelle	37331	1969	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS/DYERS	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd Rzle	20788	1968	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS/ DYERS	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd Rzle	6342	1967	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS/ DYERS	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd Rzle	55391	1966	Premise Match	141m	North West
	Dry Cleaners, Pressers/Dyers	Steins Dry Cleaning & Art Dyeing, 102 Victoria Rd., Rzle	76348	1965	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS/ DYERS.	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd Rzle	43179	1964	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS/DYERS.	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd Rzle	24920	1962	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS / DYERS	Steins Dry Cleaning & Art Dyeing, 102 Victoria Rd., Rzle	299279	1961	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS/DYERS	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd Rzle	13267	1959	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS & DYERS	Steins Dry Cleaning & Art Dyeing., 102 Victoria Rd Rzle	392	1958	Premise Match	141m	North West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
9	DRY CLEANERS, PRESSERS & DYERS.	Stein J., 102 Victoria Rd Rozelle	54980	1956	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS & DYERS.	Stein J., 102 Victoria Rd Rozelle	44536	1954	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS & DYERS.	Stein J., 102 Victoria Rd Rozelle	36363	1953	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS & DYERS.	Stein J., 102 Victoria Rd Rozelle	27289	1952	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS & DYERS	Steins, 100 Victoria Rd., Rozelle	35710	1950	Premise Match	141m	North West
	DRY CLEANERS, PRESSERS & DYERS.	Steins., 100 Victoria Rd Rozelle	17485	1948-49	Premise Match	141m	North West
10	MOTOR GARAGES & SERVICE STATIONS.	Griffco Automotive Services, 25 Crescent St., Rozelle. 2039	18996	1993	Premise Match	196m	North East
	MOTOR GARAGES & SERVICE STATIONS.	Griffco Automotive Services, 25 Crescent St., Rozelle. 2039	11667	1990	Premise Match	196m	North East
	MOTOR GARAGE & SERVICE STATIONS.	Griffco Automotive Services, 25 Crescent St., Rozelle. 2039	65149	1989	Premise Match	196m	North East
	MOTOR GARAGES & SERVICE STATIONS.	Griffco Automotive Services, 25 Crescent St., Rozelle. 2039	59388	1988	Premise Match	196m	North East
	MOTOR GARAGES & SERVICE STATIONS.	Griffco Automotive Services, 25 Crescent St., Rozelle. 2039	64819	1986	Premise Match	196m	North East
	MOTOR GARAGES & SERVICE STATIONS.	Griffco Automotive Services, 25 Crescent St., Rozelle. 2039	44917	1985	Premise Match	196m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Griffco Automotive Services, 25 Crescent St., Rozelle. 2039	28420	1984	Premise Match	196m	North East
11	MOTOR GARAGES & ENGINEERS	Galcoy Welders, 2 Napoleon St., ROZELLE	347190	1961	Premise Match	233m	North
	MOTOR GARAGES & ENGINEERS.	Galcoy Welders., 2 Napoleon St Rozelle	19929	1959	Premise Match	233m	North
	MOTOR GARAGE/ENGINEERS.	Galcoy Welders., 2 Napoleon St Rozelle	4139	1958	Premise Match	233m	North
	MOTOR GARAGES &/OR ENGINEERS.	Galcoy Welders., 2 Napoleon St.	57678	1956	Premise Match	233m	North
	MOTOR GARAGES &/OR ENGINEERS.	Galcoy Welders., 2 Napoleon St	49288	1954	Premise Match	233m	North

Dry Cleaners, Motor Garages & Service Stations 1948-1993 Road or Area Matches

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

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

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
12	MOTOR GARAGES & SERVICE STATIONS.	Esso Rozelle Service Station, 71 Victoria Rd., Rozelle. 2039	39658	1985	Road Match	0m
	MOTOR GARAGES & SERVICE STATIONS.	K.S.A. Trucks Parts & Repairs Pty. Ltd., Victoria Rd., Rozelle. 2039	45031	1985	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Rozelle Service Station, 71 Victoria Rd., Rozelle. 2039	28237	1984	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	K.S.A. Trucks Parts & Repairs Pty. Ltd., Victoria Rd., Rozelle. 2039	28530	1984	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Rozelle Service Station., 71 Victoria Rd., Rozelle 2039	14663	1983	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Esso Rozelle Service Station, 71 Victoria Rd., Rozelle. 2039.	56728	1982	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Rozelle Service Station., 71 Victoria Rd., Rozelle. 2039	3281	1981	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Rozelle Service Station., 71 Victoria Rd., Rozelle. 2039	52932	1980	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter., 71 Victoria Rd., Rozelle. 2039.	41484	1979	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter, 71 Victoria Rd., Rozelle.	50021	1978	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Esso Servicenter., 71 Victoria Rd., Rozelle 2039	29987	1976	Road Match	0m
	MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicenter 71 Victoria Rd., Rozelle.	61732	1975	Road Match	0m
	MOTOR SERVICE STATIONS - PETROL, OIL	Esso Servicenter 71 Victoria Rd., Rozelle.	61731	1975	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., 71 Victoria Rd Rozelle	18151	1972	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL,OIL,Etc.	Esso Servicenter., 71 Victoria Rd., ROZELLE	341082	1970	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., 71 Victoria Rd Rozelle	50726	1969	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., 71 Victoria Rd Rozelle	36809	1968	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Esso Servicenter., 71 Victoria Rd Rozelle	16211	1967	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Hunter G., Victoria Rd Rozelle	1780	1966	Road Match	0m
	Motor Service Stations - Petrol, Oil, Etc.	Hunter, G., Victoria Rd. Rozelle	126124	1965	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
12	MOTOR GARAGES & ENGINEERS.	Sorrell C. R., Victoria Rd Rozelle	33367	1962	Road Match	0m
	MOTOR GARAGES & ENGINEERS.	White Bay Filling & Service Station., Victoria Rd Rozelle	33371	1962	Road Match	0m
	MOTOR GARAGES & ENGINEERS	Sorrell, C. R., Victoria Rd. ROZELLE	348164	1961	Road Match	0m
	MOTOR GARAGES & ENGINEERS	White Bay Filling & Service Station, Victoria Rd. ROZELLE	348436	1961	Road Match	0m
	MOTOR GARAGES & ENGINEERS.	Sorrell C. R., Victoria Rd Rozelle	19933	1959	Road Match	0m
	MOTOR GARAGES & ENGINEERS.	White Bay Filling & Service Station., Victoria Rd Rozelle	19936	1959	Road Match	0m
	MOTOR GARAGE/ENGINEERS.	Sorrell C. R., Victoria Rd., Rozelle	4991	1958	Road Match	0m
	MOTOR GARAGE/ENGINEERS.	White Bay Filling & Service Station., Victoria Rd Rzle	9282	1958	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Sorrell C. R., Victoria Rd Rozelle	61513	1956	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	White Bay Filling & Service Station., Victoria Rd Rzle	61690	1956	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Sorrell C. R., Victoria Rd Rozelle	54128	1954	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Sorrell C. R., Victoria Rd Rozelle	40704	1953	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	White Bay Filling & Service Station., Victoria Rd Rzle	43929	1953	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Sorrell C. R., Victoria Rd Rozelle	32260	1952	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	White Bay Filling & Service Station., Victoria Rd Rzle	32415	1952	Road Match	0m
	DRY CLEANERS, PRESSERS & DYERS	Lawrence Dry Cleaners, 85 Victoria Rd., Rozelle	35393	1950	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS	Sorrell, C. R., Victoria Rd., Rozelle	84392	1950	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS	White Bay Filling and Service Station, Victoria Rd., Rozelle	84550	1950	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, Etc.	White Bay Filling and Service Station, Victoria Rd., Rozelle	86518	1950	Road Match	0m
	DRY CLEANERS, PRESSERS & DYERS.	Lawrerce Dry Cleaners., 85 Victoria Rd Rozelle	17264	1948-49	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Smell C. R., Victoria Rd., Rozelle	22882	1948-49	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, ETC.	White Bay Filling And Service Station., Victoria Rd Rozelle	26875	1948-49	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	White Bay Filling And Service Station., Victoria Rd., Rozelle	23024	1948-49	Road Match	0m
13	MOTOR GARAGES &/OR ENGINEERS.	Lakiss Service Station., Evans St., Rozelle 2039	62661	1971	Road Match	66m
	MOTOR GARAGES & ENGINEERS(M6S6)	Lakiss Service Station., Evans St., ROZELLE	338132	1970	Road Match	66m
14	MOTOR GARAGE/ENGINEERS.	Buttris F., 3A Joseph St., Rozelle	754	1958	Road Match	90m
15	MOTOR GARAGES & SERVICE STATIONS.	Sargent B., Crescent St., Rozelle. 2039	45508	1985	Road Match	189m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sargent B., Crescent St., Rozelle. 2039	34078	1984	Road Match	189m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sargent E., Crescent St., Rozelle. 2039	21531	1983	Road Match	189m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Sargent, B., Crescent St., Rozelle. 2039.	57521	1982	Road Match	189m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sargent B., Crescent St., Rozelle. 2039	4057	1981	Road Match	189m

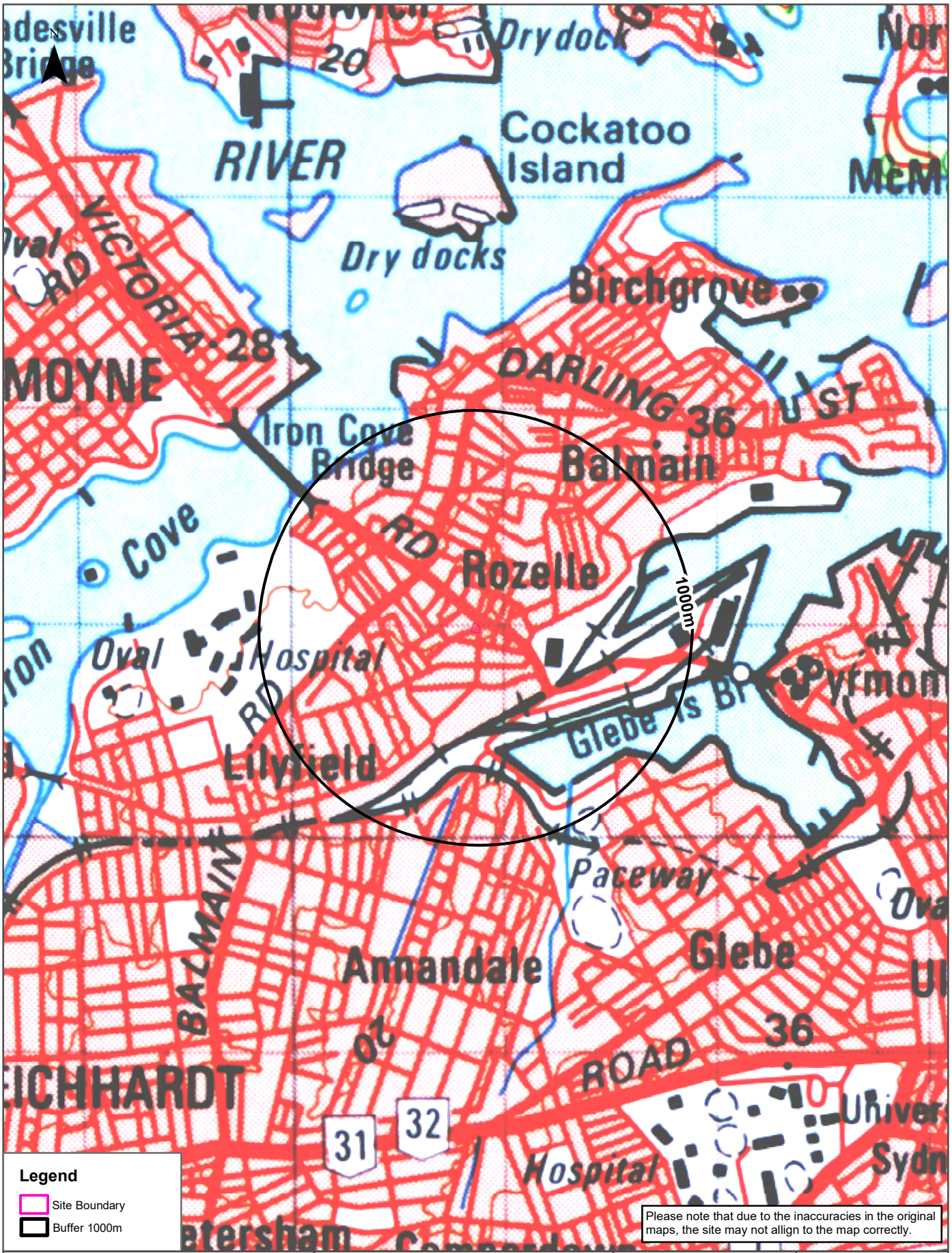
Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
15	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sargent. B., Crescent St., Rozelle. 2039	58795	1980	Road Match	189m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sargent B., Crescent St., Rozelle. 2039.	46294	1979	Road Match	189m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Sargent, B., Crescent St., Rozelle. 2039	50795	1978	Road Match	189m
	MOTOR GARAGES & ENGINEERS.	Standish Reg., Crescent St Rozelle	47103	1969	Road Match	189m

Topographic Map 2015

48 Victoria Road, Rozelle, NSW 2039

Historical Map 1975

48 Victoria Road, Rozelle, NSW 2039



Scale: 0 280 560 840 1,120 Meters

Data Sources: NATMAP 1:100,000
Topographic Maps Geoscience Australia

Coordinate System:
GDA 1994 MGA Zone 56

Date: 01 October 2021

Historical Map c.1936

48 Victoria Road, Rozelle, NSW 2039

Legend

- Site Boundary
- Buffer 1000m

Please note that due to the inaccuracies in the original maps, the site may not allign to the map correctly.

Scale:	Data Sources: Australia 1:63360 Produced by Australian Section Imperial General Staff	Coordinate System: GDA 1994 MGA Zone 56	Date: 01 October 2021

0 280 560 840 1,120
Meters

Historical Map c.1917

48 Victoria Road, Rozelle, NSW 2039

Scale: 0 280 560 840 1,120 Meters

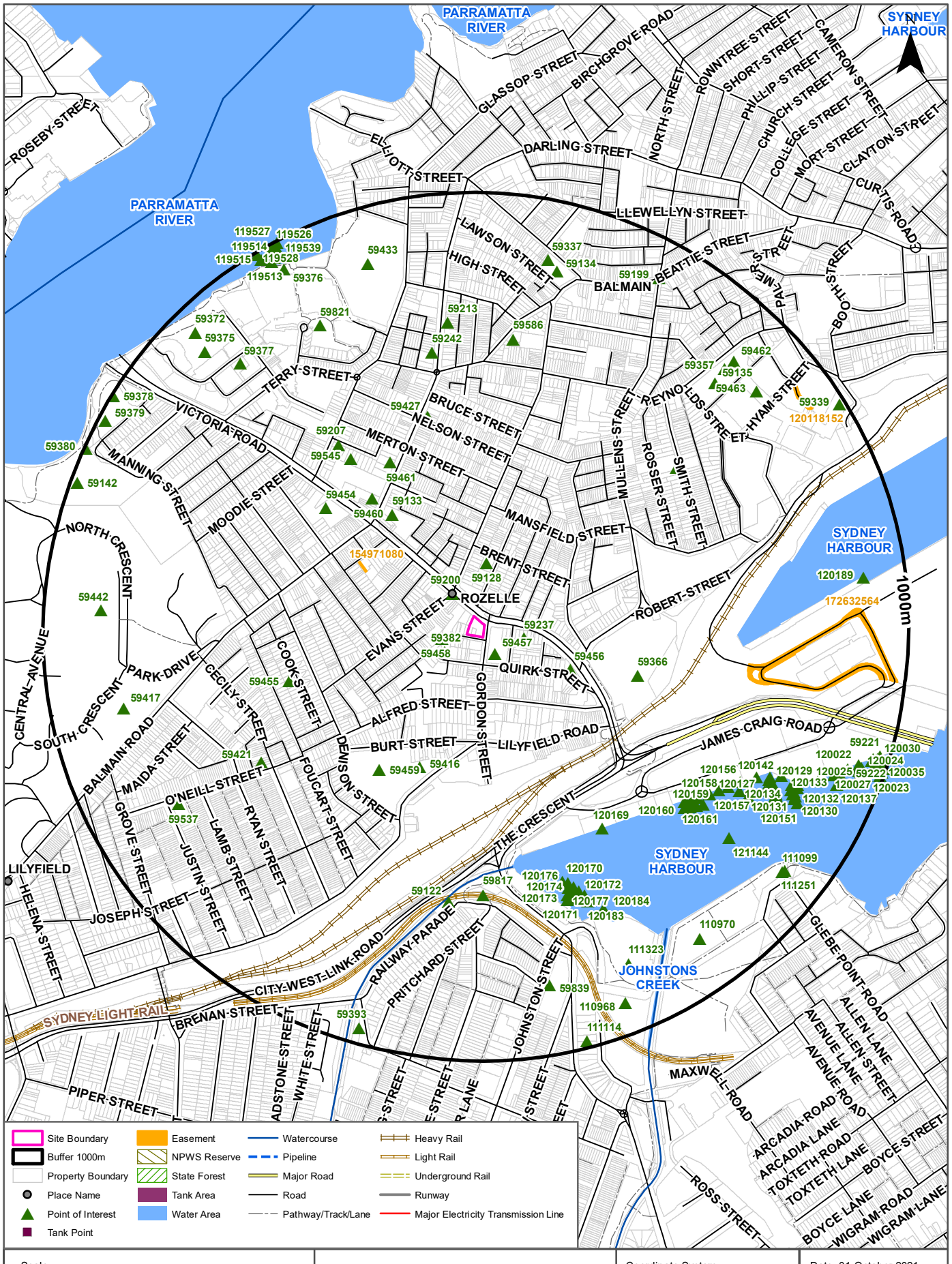
Data Sources: Australia 1:63360
Produced by Australian Section Imperial General Staff

Coordinate System:
GDA 1994 MGA Zone 56

Date: 01 October 2021

Topographic Features

48 Victoria Road, Rozelle, NSW 2039



Topographic Features

48 Victoria Road, Rozelle, NSW 2039

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
59457	Place Of Worship	ST JOSEPH'S CATHOLIC CHURCH ROZELLE	47m	South East
59458	Park	O'CONNOR RESERVE	60m	West
59382	Park	PLAYGROUND	66m	South West
59200	Suburb	ROZELLE	73m	North West
59237	Park	HANNAN RESERVE	96m	East
59128	Park	STIMSON RESERVE	129m	North
59456	Park	VICTORIA ROAD RESERVE	219m	South East
59133	Place Of Worship	ANGLICAN CHURCH	307m	North West
59416	Picnic Area	PLAYGROUND	332m	South
59460	Community Facility	ROZELLE NEIGHBOURHOOD CENTRE	366m	North West
59366	Historic Site	WHITE BAY POWER STATION	375m	East
59459	Sports Field	EASTON PARK	380m	South West
59461	Post Office	ROZELLE POST OFFICE	413m	North West
59454	Club	BALMAIN LEAGUES CLUB	432m	North West
59455	Park	ROZELLE COMMON	433m	West
59545	Primary School	ROZELLE PUBLIC SCHOOL	472m	North West
59427	Community Facility	HANNAFORD CENTRE	483m	North
59207	Preschool	ROZELLE PUBLIC SCHOOL PRESCHOOL	515m	North West
120169	Wharf	Wharf	531m	South East
59421	Community Facility	THE JIMMY LITTLE COMMUNITY CENTRE	571m	South West
59581	Primary School	INNER SYDNEY MONTESSORI SCHOOL	586m	North East
120170	Wharf	Wharf	606m	South
59817	Railway Station	ROZELLE BAY SLR STOP	607m	South
120168	Wharf	Wharf	613m	South East
120176	Wharf	Wharf	613m	South
120167	Wharf	Wharf	617m	South East
120160	Wharf	Wharf	622m	South East
120177	Wharf	Wharf	624m	South
120166	Wharf	Wharf	624m	South East
120178	Wharf	Wharf	627m	South
59122	Park	BURUWAN PARK	629m	South

Map Id	Feature Type	Label	Distance	Direction
59242	Embassy	CONSULATE OF LATVIA	630m	North
120164	Wharf	Wharf	632m	South East
120165	Wharf	Wharf	632m	South East
120179	Wharf	Wharf	633m	South
120180	Wharf	Wharf	640m	South
120174	Wharf	Wharf	640m	South
120173	Wharf	Wharf	640m	South
120172	Wharf	Wharf	640m	South
120163	Wharf	Wharf	642m	South East
120181	Wharf	Wharf	650m	South
120175	Wharf	Wharf	650m	South
120171	Wharf	Wharf	650m	South
120162	Wharf	Wharf	650m	South East
120161	Wharf	Wharf	651m	South East
120182	Wharf	Wharf	653m	South
59586	Place Of Worship	Place Of Worship	660m	North
120159	Wharf	Wharf	663m	South East
120183	Wharf	Wharf	670m	South
120158	Wharf	Wharf	676m	South East
59213	Community Medical Centre	BALMAIN EARLY CHILDHOOD HEALTH CENTRE	695m	North
120156	Wharf	Wharf	696m	South East
120184	Wharf	Wharf	701m	South East
120157	Wharf	Wharf	704m	South East
120155	Wharf	Wharf	723m	South East
120154	Wharf	Wharf	728m	South East
121144	Bay / Inlet / Basin	ROZELLE BAY	749m	South East
120148	Wharf	Wharf	753m	South East
120143	Wharf	Wharf	753m	South East
120127	Marina	SUPER YACHT MARINA	756m	South East
120149	Wharf	Wharf	760m	South East
120146	Wharf	Wharf	766m	South East
120147	Wharf	Wharf	767m	South East
120144	Wharf	Wharf	774m	South East
59821	Park	ELLIOT PARK	775m	North West
120142	Wharf	Wharf	775m	South East
120145	Wharf	Wharf	776m	South East
120152	Wharf	Wharf	783m	South East

Map Id	Feature Type	Label	Distance	Direction
120153	Wharf	Wharf	784m	South East
59135	Park	PUNCH PARK	788m	North East
59537	Community Facility	ST MARKS CHURCH HALL	789m	South West
120150	Wharf	Wharf	792m	South East
120151	Wharf	Wharf	797m	South East
120129	Wharf	Wharf	806m	South East
59377	Park	DICKSON GREEN	811m	North West
120134	Wharf	Wharf	811m	South East
120135	Wharf	Wharf	818m	South East
120141	Wharf	Wharf	818m	South East
120132	Wharf	Wharf	819m	South East
120136	Wharf	Wharf	822m	South East
120133	Wharf	Wharf	826m	South East
120130	Wharf	Wharf	827m	South East
59417	Sports Field	BALMAIN ROAD SPORTING GROUND	828m	West
59357	Picnic Area	PLAYGROUND	829m	North East
59839	TAFE College	PETERSHAM TAFE COLLEGE ANNANDALE CAMPUS	836m	South
59134	Park	ANN CASHMAN RESERVE	837m	North
120131	Wharf	Wharf	839m	South East
111323	Park	Park	843m	South East
59463	Park	VANARDI GREEN	846m	North East
59462	Sports Court	TENNIS	856m	North East
120140	Wharf	Wharf	859m	South East
59337	Park	PLAYGROUND	859m	North
59442	University	SYDNEY COLLEGE OF THE ARTS	865m	West
59433	High School	SYDNEY SECONDARY COLLEGE BALMAIN CAMPUS	868m	North
110970	Park	BICENTENNIAL PARK	875m	South East
120138	Wharf	Wharf	888m	East
59375	Picnic Area	PLAYGROUND	890m	North West
111099	Park	POPE PAUL VI RESERVE	897m	South East
120139	Wharf	Wharf	898m	East
111251	Headland	GLEBE POINT	899m	South East
120189	Wharf	GLEBE ISLAND CONTAINER TERMINAL	901m	East
120137	Wharf	Wharf	904m	South East
59199	Suburb	BALMAIN	910m	North East
120128	Wharf	Wharf	915m	East
110968	Park	FEDERAL PARK	926m	South

Map Id	Feature Type	Label	Distance	Direction
59376	Park	BALMAIN COVE	933m	North West
120022	Wharf	Wharf	936m	East
120021	Wharf	Wharf	936m	East
59372	Park	BRIDGEWATER PARK	937m	North West
120047	Wharf	Wharf	941m	East
120027	Wharf	Wharf	942m	East
120026	Wharf	Wharf	943m	East
120046	Wharf	Wharf	946m	East
120028	Wharf	Wharf	947m	East
120025	Wharf	Wharf	948m	East
120045	Wharf	Wharf	949m	East
120029	Wharf	Wharf	952m	East
120024	Wharf	Wharf	952m	East
120023	Wharf	Wharf	960m	East
120196	Wharf	Wharf	961m	East
120031	Wharf	Wharf	962m	East
119513	Wharf	Wharf	962m	North West
59393	Park	PLAYGROUND	963m	South
59222	Wharf	Wharf	963m	East
120032	Wharf	Wharf	964m	East
119514	Wharf	Wharf	968m	North West
119540	Wharf	Wharf	969m	North West
120033	Wharf	Wharf	970m	East
120034	Wharf	Wharf	972m	East
120030	Wharf	Wharf	973m	East
119541	Wharf	Wharf	975m	North West
59221	Wharf	Wharf	977m	East
120037	Wharf	Wharf	978m	East
119515	Wharf	Wharf	979m	North West
119538	Wharf	Wharf	980m	North West
120035	Wharf	Wharf	980m	East
119539	Wharf	Wharf	981m	North West
119536	Wharf	Wharf	982m	North West
59379	Picnic Area	CONSTELLATION PLAYGROUND	984m	North West
59142	Sports Field	KING GEORGE PARK	984m	West
120036	Wharf	Wharf	984m	East
111114	Child Care Centre	THE CRESCENT EARLY LEARNING CENTRE	984m	South

Map Id	Feature Type	Label	Distance	Direction
120040	Wharf	Wharf	985m	East
120038	Wharf	Wharf	986m	East
59339	Park	VANARDI GREEN	986m	North East
119537	Wharf	Wharf	987m	North West
120039	Wharf	Wharf	989m	East
120043	Wharf	Wharf	991m	East
120041	Wharf	Wharf	993m	East
119526	Wharf	Wharf	993m	North West
119542	Wharf	Wharf	994m	North West
119527	Wharf	Wharf	994m	North West
59378	Park	KING GEORGE PARK	995m	North West
119528	Wharf	Wharf	995m	North West
59380	Sports Court	FITNESS EQUIPMENT	996m	North West
120042	Wharf	Wharf	996m	East

Topographic Features

48 Victoria Road, Rozelle, NSW 2039

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Tanks (Points)

What are the Tank Points located within the dataset buffer?
Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
N/A	No records in buffer					

Major Easements

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

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
154971080	Primary	Right of way	4m	273m	North West
172632564	Primary	Right of way	variable	628m	East
120118152	Primary	Undefined		911m	North East

Topographic Features

48 Victoria Road, Rozelle, NSW 2039

State Forest

What State Forest exist within the dataset buffer?

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

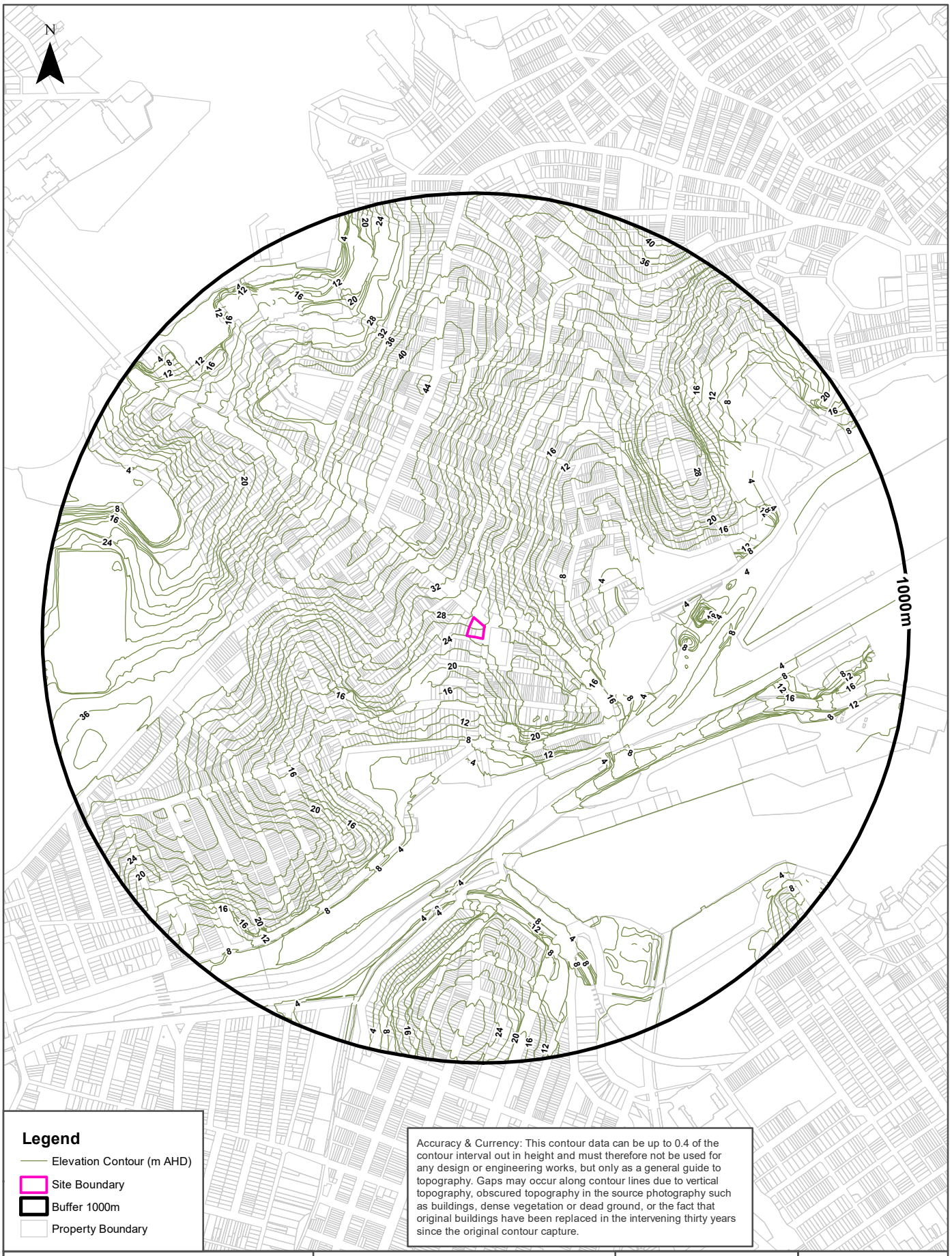
National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

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

Elevation Contours (m AHD)

48 Victoria Road, Rozelle, NSW 2039



Legend

- Elevation Contour (m AHD)
- Site Boundary
- Buffer 1000m
- Property Boundary

Accuracy & Currency: This contour data can be up to 0.4 of the contour interval out in height and must therefore not be used for any design or engineering works, but only as a general guide to topography. Gaps may occur along contour lines due to vertical topography, obscured topography in the source photography such as buildings, dense vegetation or dead ground, or the fact that original buildings have been replaced in the intervening thirty years since the original contour capture.

Scale:	Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2021	Coordinate System: GDA 1994 MGA Zone 56	Date: 01 October 2021

0 100 200 400 Meters

Hydrogeology & Groundwater

48 Victoria Road, Rozelle, NSW 2039

Hydrogeology

Description of aquifers within the dataset buffer:

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

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

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018

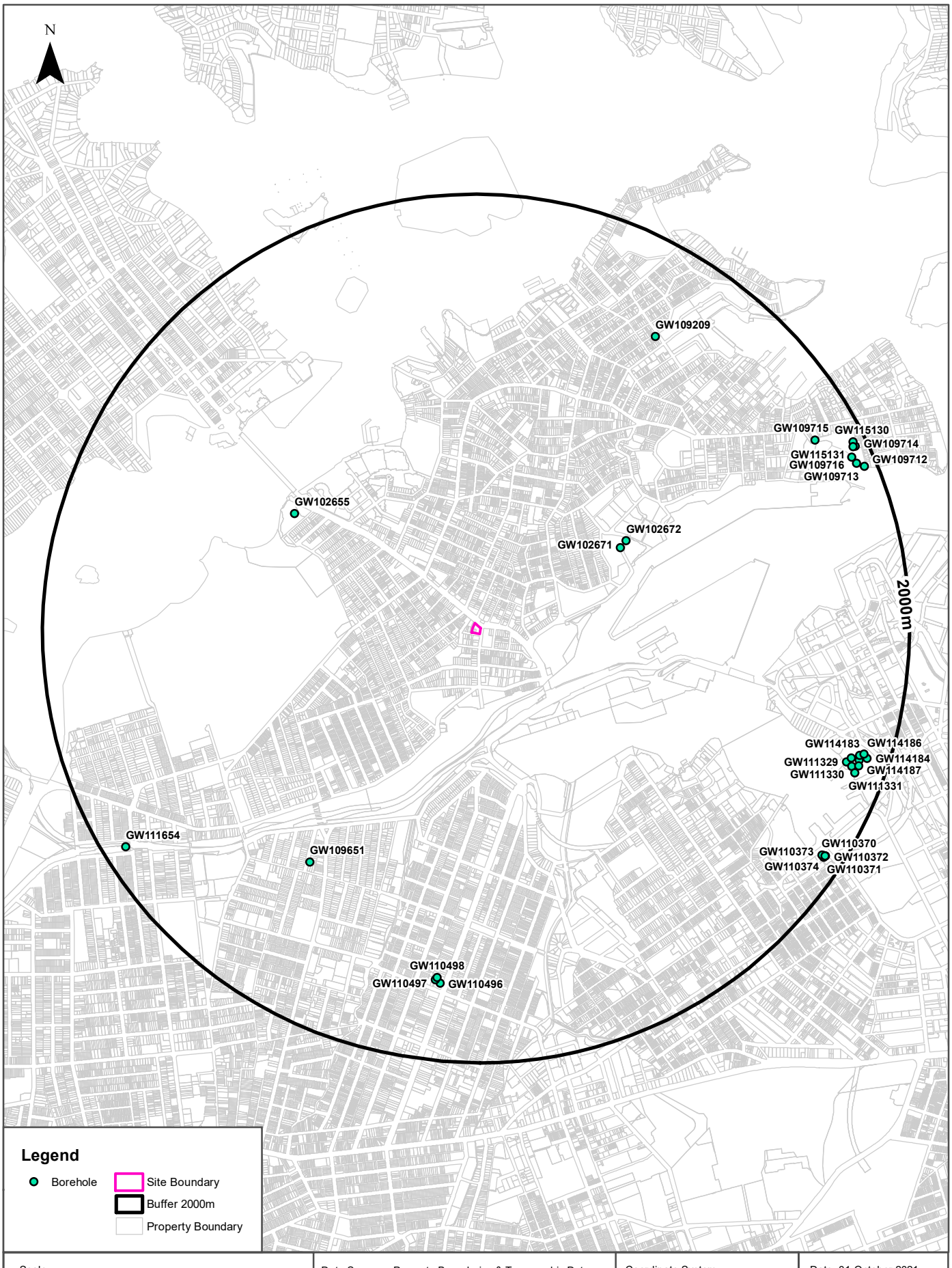
Temporary water restrictions relating to the Botany Sands aquifer within the dataset buffer:

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

Temporary Water Restriction (Botany Sands Groundwater Source) Order 2018 Data Source : NSW Department of Primary Industries

Groundwater Boreholes

48 Victoria Road, Rozelle, NSW 2039



Hydrogeology & Groundwater

48 Victoria Road, Rozelle, NSW 2039

Groundwater Boreholes

Boreholes within the dataset buffer:

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW102671	10BL152712	Bore		Monitoring Bore	Monitoring Bore		01/07/1993	4.80	4.80					753m	North East
GW102672	10BL152712	Bore		Monitoring Bore	Monitoring Bore		01/07/1993	9.00	9.00					790m	North East
GW102655	10BL150044	Bore		Monitoring Bore	Monitoring Bore		15/05/1992	25.00	25.00	2240				982m	North West
GW109651	10BL602525	Bore	Private	Monitoring Bore	Monitoring Bore		27/05/2008	2.50	2.55	690	0.42	0.500		1308m	South West
GW109209	10BL602547, 10WA109259	Spear	Private	Domestic	Domestic		13/08/2008	4.50			3.00	0.300		1578m	North East
GW110498	10BL603107	Well	Private	Monitoring Bore	Monitoring Bore		17/06/2009	4.00	4.00		2.30			1615m	South
GW110497	10BL603107	Well	Private	Monitoring Bore	Monitoring Bore		17/06/2009	4.00	4.00		2.40			1626m	South
GW110496	10BL603107	Well	Private	Monitoring Bore	Monitoring Bore		16/06/2009	4.00	4.00		1.75			1640m	South
GW109715	10BL163286	Well	Other Govt	Monitoring Bore	Monitoring Bore		22/01/2004	5.90	5.90		4.40			1788m	North East
GW111329	10BL604323	Bore	Other Govt	Monitoring Bore	Monitoring Bore		20/07/2010	6.00	6.00					1812m	East
GW114185	10BL604080	Bore	Other Govt	Monitoring Bore	Monitoring Bore	SPA - Sydney Fish Markets	04/07/2013	3.00	3.00					1828m	East
GW111330	10BL604323	Bore	Other Govt	Monitoring Bore	Monitoring Bore		20/07/2010	4.00	4.00					1843m	East
GW114183	10BL604080	Bore	Other Govt	Monitoring Bore	Monitoring Bore	SPA - Sydney Fish Markets	04/07/2013	9.35	9.35					1861m	East
GW114182	10BL604080	Bore	Other Govt	Monitoring Bore	Monitoring Bore	SPA - Sydney Fish Markets	04/07/2013	11.55	11.55					1865m	East
GW111331	10BL604323	Bore	Other Govt	Monitoring Bore	Monitoring Bore		20/07/2010	6.00	6.00					1865m	East
GW114187	10BL604080	Bore	Other Govt	Monitoring Bore	Monitoring Bore	SPA - Sydney Fish Markets	04/07/2013	6.00	6.00					1871m	East
GW114186	10BL604080	Bore	Other Govt	Monitoring Bore	Monitoring Bore	SPA - Sydney Fish Markets	04/07/2013	3.00	3.00					1878m	East
GW111654	10BL605000	Bore	Other Govt	Monitoring Bore	Monitoring Bore		09/11/2011	3.00	3.00					1896m	South West
GW114184	10BL604080	Bore	Other Govt	Monitoring Bore	Monitoring Bore	SPA - Sydney Fish Markets	04/07/2013	6.00	6.00					1897m	East
GW110373	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.60			1901m	South East
GW109716	10BL163286	Well	Other Govt	Monitoring Bore	Monitoring Bore		22/01/2004	6.00	6.00		1.79			1906m	North East
GW110370	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.60			1909m	South East
GW109713	10BL163286	Well	Other Govt	Monitoring Bore	Monitoring Bore		21/01/2004	6.00	6.00		2.52			1913m	North East

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW110371	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.70			1913m	South East
GW110374	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00					1914m	South East
GW110372	10BL160269	Well	Private	Monitoring Bore	Monitoring Bore		24/04/2001	4.00	4.00		0.60			1917m	South East
GW115131	10BL604652			Monitoring Bore	Monitoring Bore		11/04/2011	1.40	1.40					1932m	North East
GW115130	10BL604652			Monitoring Bore	Monitoring Bore		11/04/2011	10.00	10.00					1941m	North East
GW109712	10BL163286	Well	Other Govt	Monitoring Bore	Monitoring Bore		21/01/2004	5.80	5.80		2.64			1943m	North East
GW109714	10BL163286	Well	Other Govt	Monitoring Bore	Monitoring Bore		22/01/2004	5.90	5.90		2.55			1943m	North East

Hydrogeology & Groundwater

48 Victoria Road, Rozelle, NSW 2039

Driller's Logs

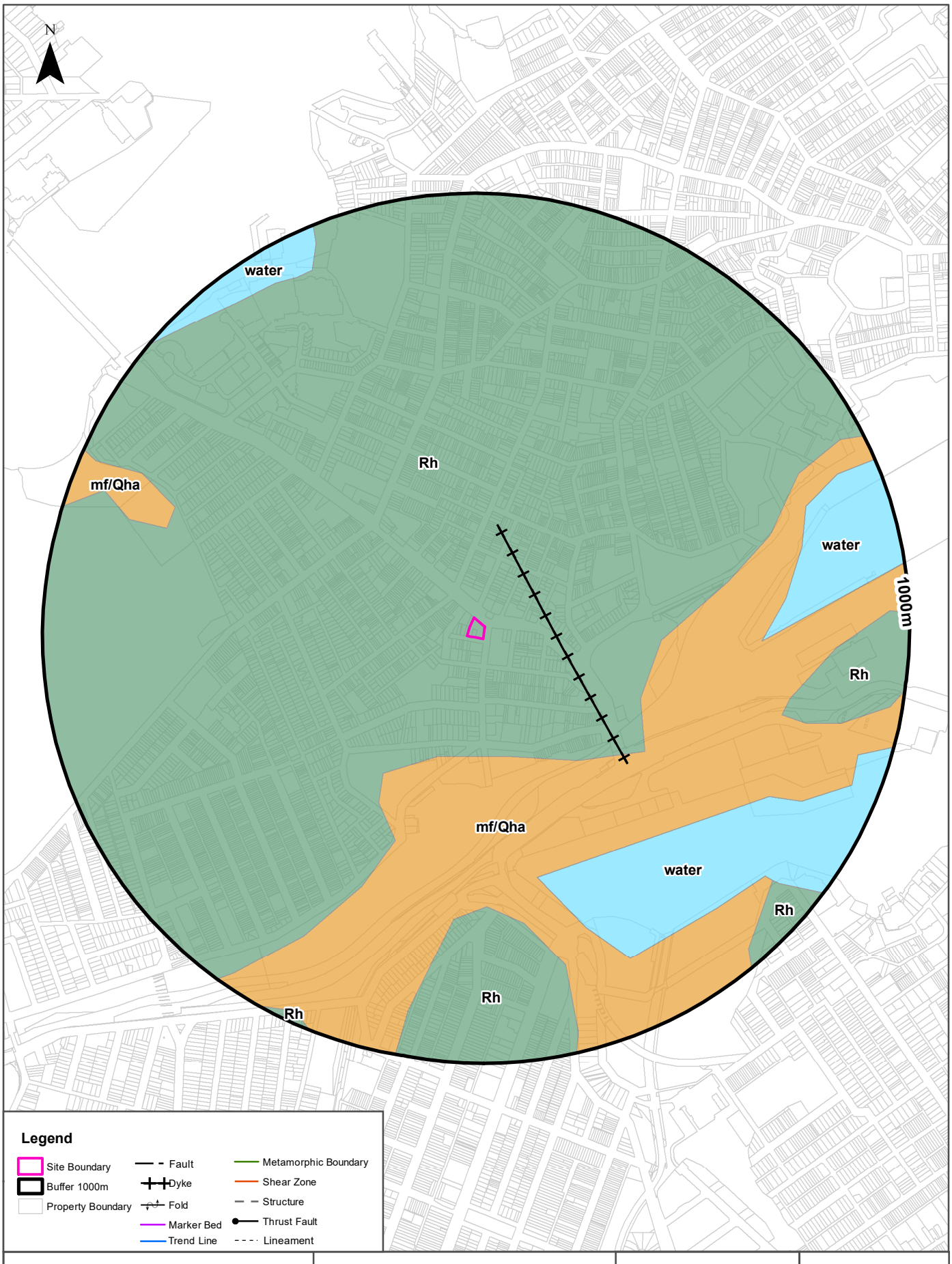
Drill log data relevant to the boreholes within the dataset buffer:

Groundwater No	Drillers Log	Distance	Direction
GW102671	0.00m-1.00m SANDY OIL 1.00m-2.50m SOIL 2.50m-4.30m SANDY CLAY 4.30m-4.80m SANDSTONE	753m	North East
GW102672	0.00m-2.00m SOIL SANDY 2.00m-3.00m SAND 3.00m-5.00m CLAY SANDY 5.00m-6.00m SAND CLAYEY 6.00m-9.00m CLAY SANDY	790m	North East
GW102655	0.00m-7.00m CLAY 7.00m-25.00m SILTSTONE	982m	North West
GW109651	0.00m-1.00m FILL.YELLOW ORANGE,SANDSTONE 1.00m-1.70m CLAY,YELLOW,WEATHERED,MED.PLASTICITY 1.70m-2.20m SHALE,RED GREY,WEATHERED,DRY 2.20m-2.55m SANDSTONE L/GREY,HIGHLY WEATHERED	1308m	South West
GW110498	0.00m-0.20m CONCRETE 0.20m-0.80m FILL,SAND,WITH COBBLES AND BRICKS 0.80m-1.70m FILL,CRUSHED SANDSTONE 1.70m-3.30m CLAY,L/PLASTICITY,BROWN AND GREY 3.30m-4.00m WEATHERED BEDROCK,SANDSTONE,GREY	1615m	South
GW110497	0.00m-0.10m CONCRETE 0.10m-0.35m FILL,SAND,FINE GRINED,L/BROWN 0.35m-1.50m FILL,COBBLY SAND,FINE TO COARSE GRAINED 1.50m-2.70m CLAY, LOW PLASTICITY 2.70m-4.00m WEATHERED BEDROCK,SANDSTONE GREY/BROWN	1626m	South
GW110496	0.00m-0.15m CONCRETE 0.15m-0.90m FILL,SAND 0.90m-1.75m CLAY WITH SOME SILT 1.75m-4.00m BEDROCK WEATHERED,SANDSTONE,FINE GRAINED	1640m	South
GW109715	0.00m-1.20m FILL 1.20m-5.90m SANDSTONE WEATHERED MEDIUM TO COARSE GRAINED,CLAY SEAMS	1788m	North East
GW111329	0.00m-0.15m (UNKNOWN) 0.15m-1.50m FILL,SILTY SAND 1.50m-6.00m SANDSTONE	1812m	East
GW111330	0.00m-0.19m CONCRETE PAVEMENT ALL OVER 0.19m-2.50m FILL.CLAYEY SAND,GRAVELLY 2.50m-4.00m SANDSTONE,LIGHT GREY	1843m	East
GW111331	0.00m-0.29m CONCRETE PAVEMENT 0.29m-2.20m FILL.SILTY SAND,SILTY GRAVEL 2.20m-5.30m SILTY SAND,SHELL FRAGMENTS 5.30m-6.00m SILTY CLAY,ORANGE BROWN	1865m	East
GW111654	0.00m-0.10m FILL,SANDY GRAVELLY CLAY,BROWN 0.10m-0.85m FILL,SAND, PALE BROWN,GRAVELS,SANDSTONES 0.85m-1.10m SANDSTONE WEATHERED,ORANGE,BROWN 1.10m-3.00m SANDSTONE WHITE POWDERY	1896m	South West
GW110373	0.00m-1.60m FILL,SANDY CLAY 1.60m-3.40m SILT,SATURATED BLACK 3.40m-3.70m SILTY SAND 3.70m-4.00m SANDY CLAY	1901m	South East
GW109716	0.00m-4.20m FILL 4.20m-5.80m MARINE SILT 5.80m-6.00m SANDSTONE	1906m	North East
GW110370	0.00m-2.10m FILL,SANDY CLAY 2.10m-3.30m SILT,BLACK 3.30m-3.50m SAND CLAYEY 3.50m-4.00m CLAY SANDY	1909m	South East
GW110371	0.00m-2.50m FILL,SANDY CLAY 2.50m-3.10m SILT,SATURATED BLACK 3.10m-4.00m SILTY SAND	1913m	South East
GW109713	0.00m-2.60m FILL 2.60m-6.00m SANDSTONE,WEATHERED,MEDIUM TO COARSE GRAINED/SOME CLAY	1913m	North East

Groundwater No	Drillers Log	Distance	Direction
GW110374	0.00m-0.80m SILTY SAND WITH MINOR CLAY 0.80m-2.80m CLAYEY SAND,WITH MINOR GRAVEL 2.80m-4.00m SANDY CLAY WITH MINOR SHELLS	1914m	South East
GW110372	0.00m-2.20m FILL,SILTY CLAY 2.20m-2.70m SANDY CLAY 2.70m-3.30m SILT,SOFT BLACK 3.30m-4.00m SILTY SAND	1917m	South East
GW115131	0.00m-0.20m CONCRETE 0.20m-1.20m FILL, SANDY GRAVEL DARK BROWN 1.20m-1.40m SANDY CLAY BROWN ORANGE	1932m	North East
GW115130	0.00m-0.20m CONCRETE 0.20m-1.60m FILL, GRAVELLY SAND 1.60m-3.40m WEATHERED SANDSTONE 3.40m-10.00m BEDROCK SANDSTONE	1941m	North East
GW109714	0.00m-1.20m FILL 1.20m-5.90m SANDSTONE WEATHERED,MEDIUM TO COARSE,GRAINED,SOME CLAY	1943m	North East
GW109712	0.00m-1.50m TOPSOIL AND FILL 1.50m-5.80m WEATHERED SANDSTONE,MEDIUM TO COARSE GRAINED	1943m	North East

Geology

48 Victoria Road, Rozelle, NSW 2039



Geology

48 Victoria Road, Rozelle, NSW 2039

Geological Units 1:100,000

What are the Geological Units within the dataset buffer?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dist	Dir
Rh	Medium to coarse grained quartz sandstone, very minor shale and laminate lenses				Triassic		Sydney	0m	On-site
mf/Qha	Man-made fill (dredged estuarine sand and mud, demolition rubble, industrial and household waste) overlying silty to peaty quartz sand, silt and clay with ferruginous & humic cementation in places and common shell layers				Quaternary		Sydney	277m	South East
water							Sydney	571m	East

Geological Structures 1:100,000

What are the Geological Structures within the dataset buffer?

Feature	Name	Description	Map Sheet	Distance	Direction
Dyke			Sydney	139m	North East

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

Naturally Occurring Asbestos Potential

48 Victoria Road, Rozelle, NSW 2039

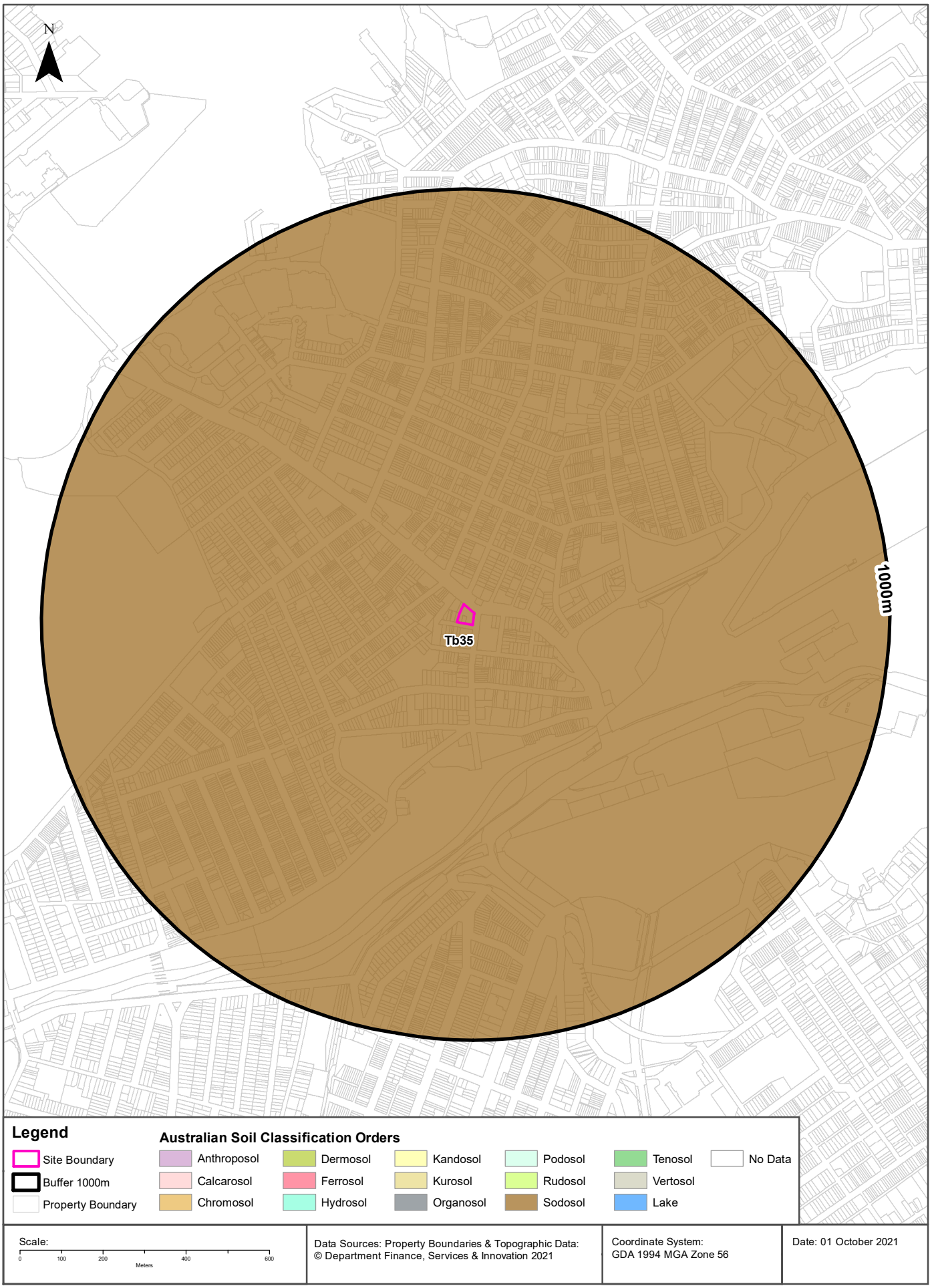
Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

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

Atlas of Australian Soils

48 Victoria Road, Rozelle, NSW 2039



Soils

48 Victoria Road, Rozelle, NSW 2039

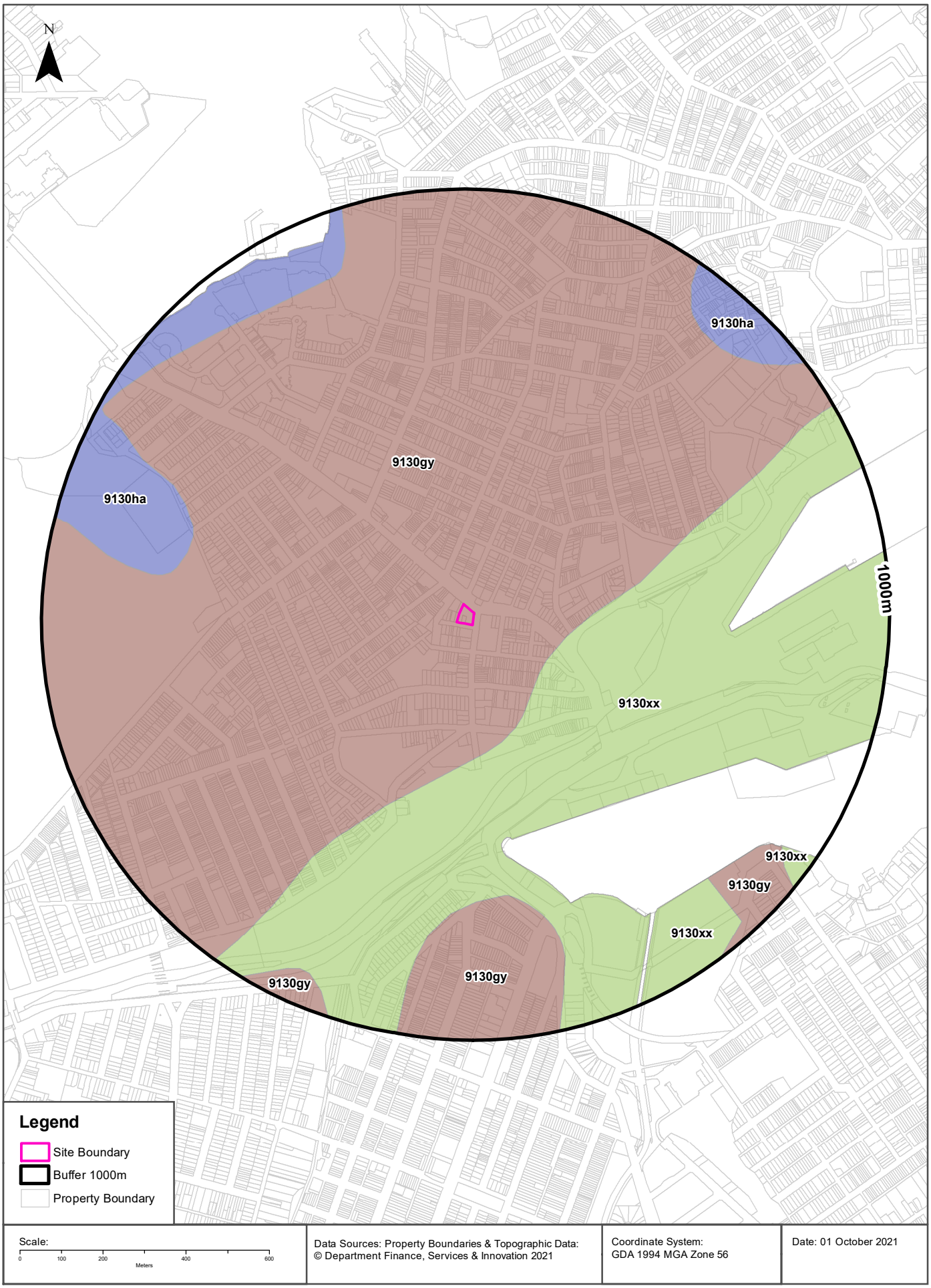
Atlas of Australian Soils

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

Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Tb35	Sodosol	Dissected plateau remnants--flat to undulating ridge tops with moderate to steep side slopes: chief soils are hard acidic yellow and yellow mottled soils (Dy3.41), (Dy2.21), and (Dy2.41) and hard acidic red soils (Dr2.21); many shallow profiles occur and profile thickness varies considerably over short distances. Associated are: (Gn3.54), (Gn3.14), and possibly other (Gn3) soils; (Db1.2) soils on some ridges; (Dy5.81) soils in areas transitional to unit Mb2; soils common to unit Mb2; and eroded lateritic remnants. Small areas of other soils are likely. Flat ferruginous shale or sandstone fragments are common on and/or in and/or below the soils of this unit.	0m	On-site

Soil Landscapes of Central and Eastern NSW

48 Victoria Road, Rozelle, NSW 2039



Soils

48 Victoria Road, Rozelle, NSW 2039

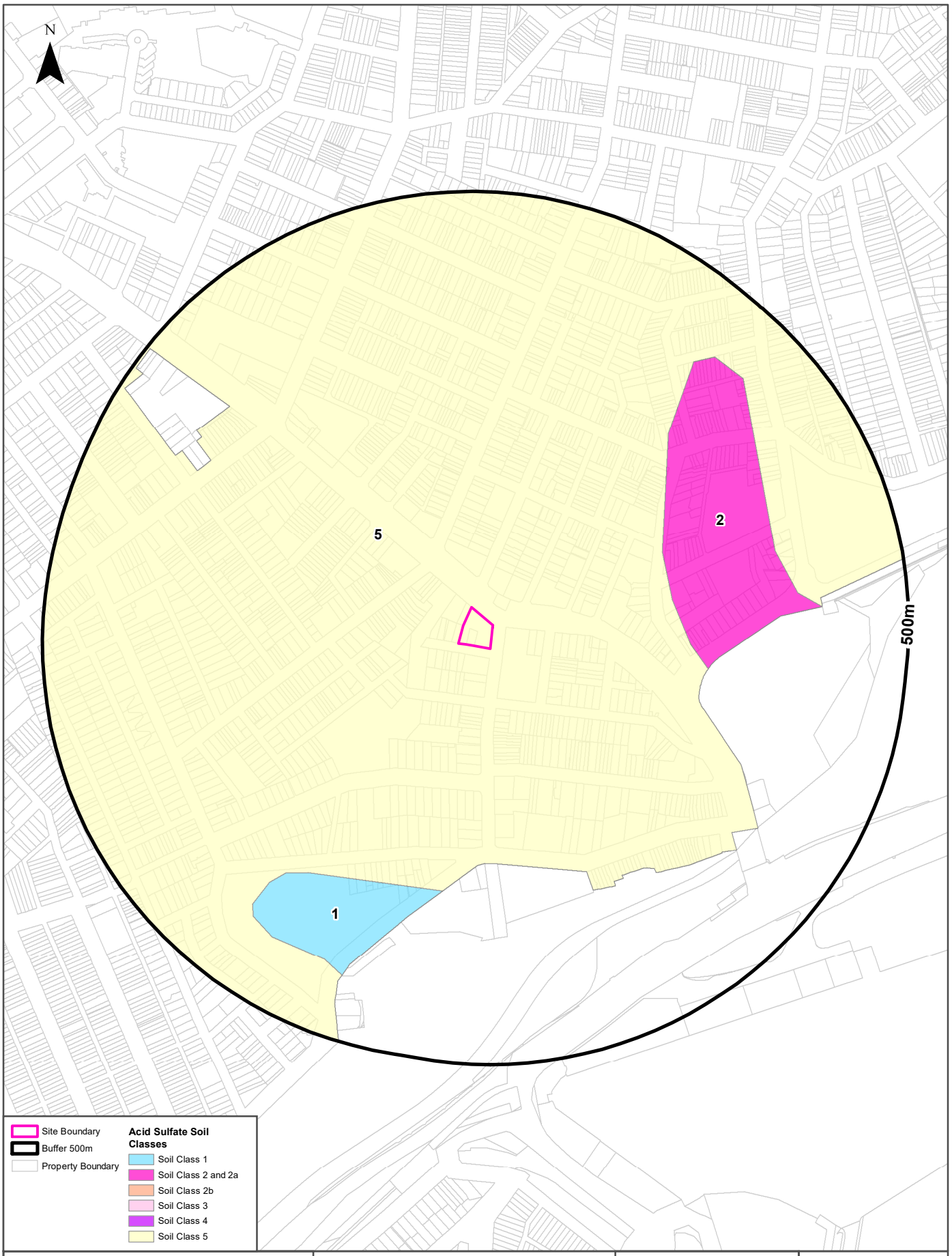
Soil Landscapes of Central and Eastern NSW

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

Soil Code	Name	Distance	Direction
9130gy	Gymea	0m	On-site
9130xx	Disturbed Terrain	195m	South East
9130ha	Hawkesbury	668m	North West

Acid Sulfate Soils

48 Victoria Road, Rozelle, NSW 2039



Acid Sulfate Soils

48 Victoria Road, Rozelle, NSW 2039

Environmental Planning Instrument - Acid Sulfate Soils

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

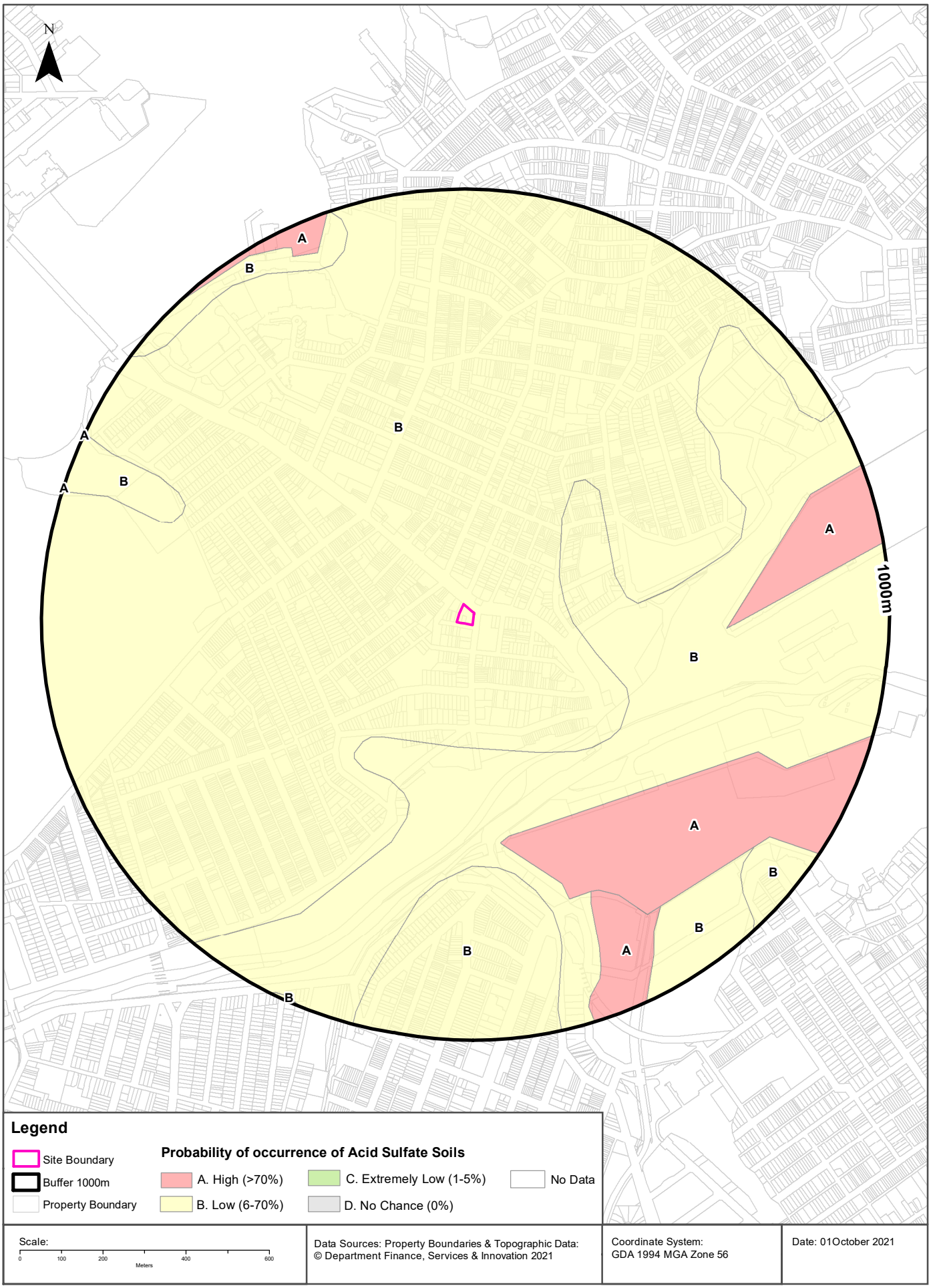
Soil Class	Description	EPI Name
5	Works within 500 metres of adjacent Class 1, 2, 3, or 4 land that is below 5 metres AHD and by which the watertable is likely to be lowered below 1 metre AHD on adjacent Class 1, 2, 3 or 4 land, present an environmental risk	Leichhardt Local Environmental Plan 2013

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

Soil Class	Description	EPI Name	Distance	Direction
2	Works below natural ground surface present an environmental risk; Works by which the watertable is likely to be lowered present an environmental risk	Leichhardt Local Environmental Plan 2013	217m	North East
1	Any works present an environmental risk	Leichhardt Local Environmental Plan 2013	296m	South West

Atlas of Australian Acid Sulfate Soils

48 Victoria Road, Rozelle, NSW 2039



Acid Sulfate Soils

48 Victoria Road, Rozelle, NSW 2039

Atlas of Australian Acid Sulfate Soils

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

Class	Description	Distance	Direction
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site
A	High Probability of occurrence. >70% chance of occurrence.	509m	South East

Dryland Salinity

48 Victoria Road, Rozelle, NSW 2039

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A		

Dryland Salinity Data Source : National Land and Water Resources Audit
The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.
In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Mining

48 Victoria Road, Rozelle, NSW 2039

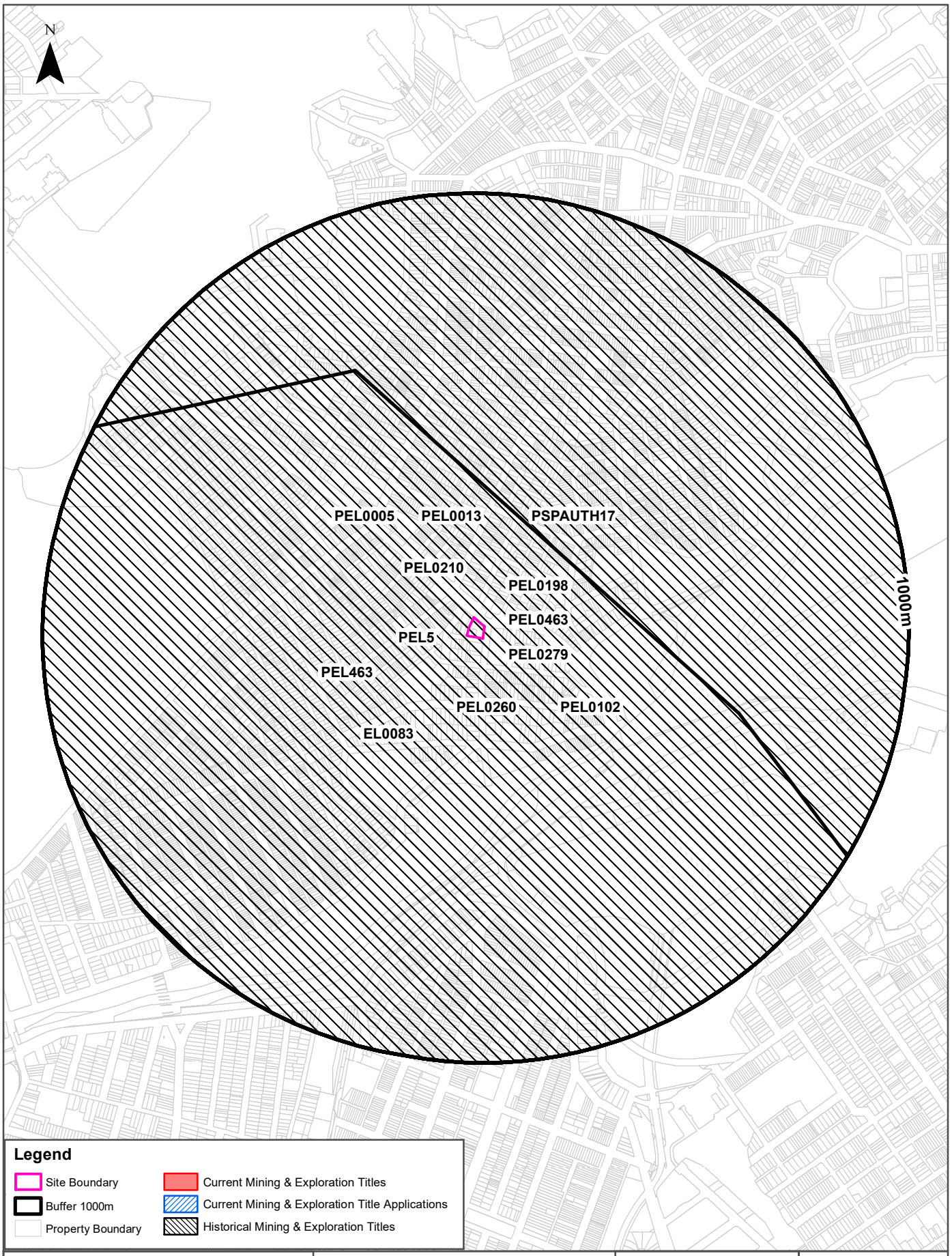
Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

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

Mining & Exploration Titles

48 Victoria Road, Rozelle, NSW 2039



Mining

48 Victoria Road, Rozelle, NSW 2039

Current Mining & Exploration Titles

Current Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Grant Date	Expiry Date	Last Renewed	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer								

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

Current Mining & Exploration Title Applications

Current Mining & Exploration Title Applications within the dataset buffer:

Application Ref	Applicant	Application Date	Operation	Resource	Minerals	Dist	Dir
N/A	No records in buffer						

Current Mining & Exploration Title Applications Data Source: © State of New South Wales through NSW Department of Industry

Mining

48 Victoria Road, Rozelle, NSW 2039

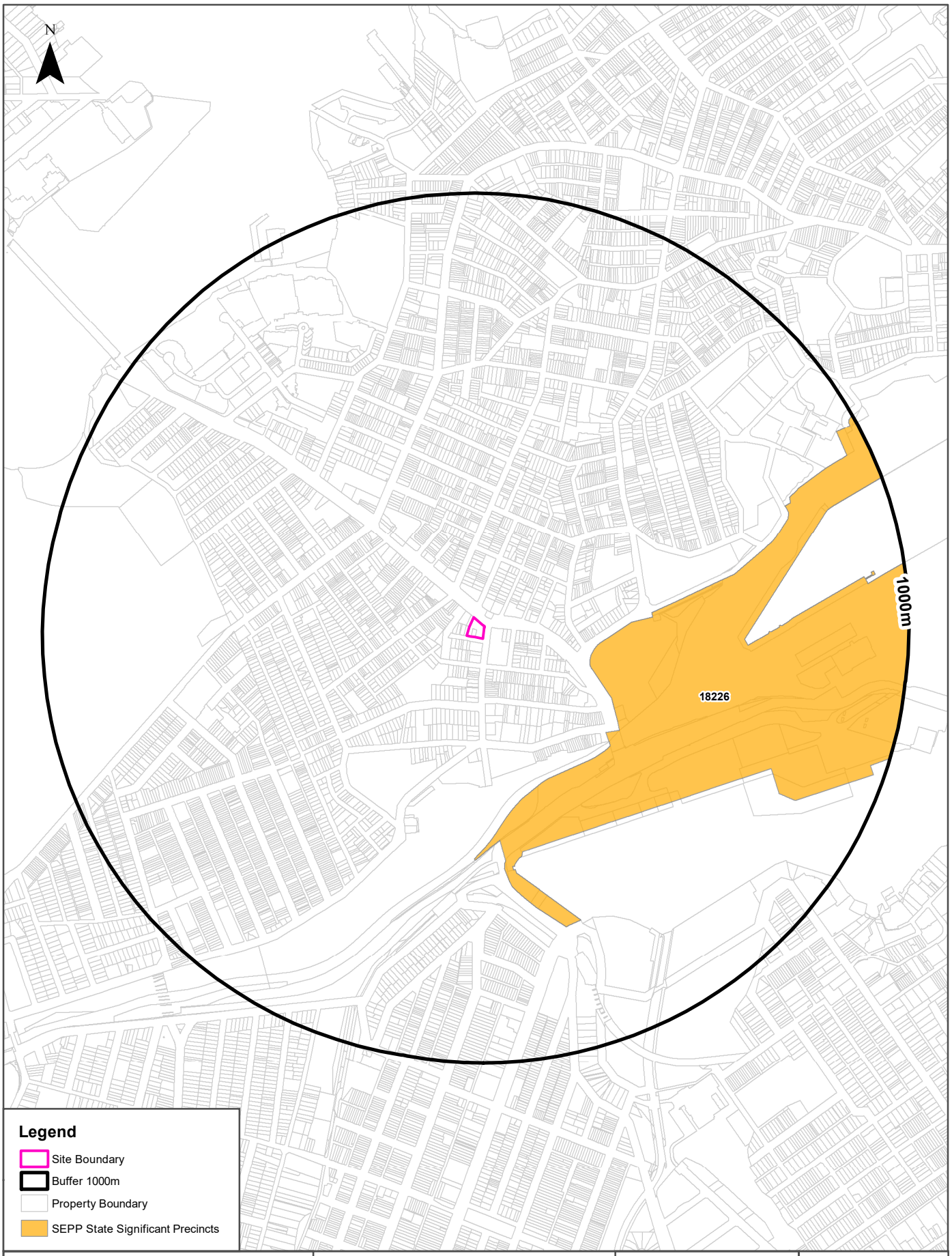
Historical Mining & Exploration Titles

Historical Mining & Exploration Titles within the dataset buffer:

Title Ref	Holder	Start Date	End Date	Resource	Minerals	Dist	Dir
PEL0013	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
PEL463	DART ENERGY (APOLLO) PTY LTD			MINERALS		0m	On-site
PEL5	AGL UPSTREAM INVESTMENTS PTY LIMITED			MINERALS		0m	On-site
PEL0260	NORTH BULLI COLLIERIES PTY LTD, AGL PETROLEUM OPERATIONS PTY LTD, THE AUSTRALIAN GAS LIGHT CO.	9/09/1981	8/03/1993	PETROLEUM	Petroleum	0m	On-site
EL0083	CONTINENTAL OIL CO OF AUSTRALIA LIMITED	01 Feb 1967	01 Feb 1968	MINERALS		0m	On-site
PEL0279	THE ELECTRICITY COMMISSION OF NSW (TRADING AS PACIFIC POWER)	17/04/1990	11/11/1993	PETROLEUM	Petroleum	0m	On-site
PEL0463	DART ENERGY (APOLLO) PTY LTD	22/10/2008	6/03/2015	PETROLEUM	Petroleum	0m	On-site
PSPAUTH17	MACQUARIE ENERGY PTY LTD	8/03/2007	7/03/2008	PETROLEUM	Petroleum	0m	On-site
PEL0005	AGL UPSTREAM INVESTMENTS PTY LIMITED	11/11/1993	4/03/2015	PETROLEUM	Petroleum	0m	On-site
PEL0102	AUSTRALIAN OIL AND GAS CORPORATION LTD			PETROLEUM	Petroleum	0m	On-site
PEL0198	JOHN STREVENS (TERRIGAL) NL			PETROLEUM	Petroleum	0m	On-site
PEL0210	THE AUSTRALIAN GAS LIGHT COMPANY (AGL), NORTH BULLI COLLIERIES PTY LTD			PETROLEUM	Petroleum	0m	On-site

SEPP State Significant Precincts

48 Victoria Road, Rozelle, NSW 2039



Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2021

Coordinate System: GDA 1994 MGA Zone 56

Date: 01 October 2021

State Environmental Planning Policy

48 Victoria Road, Rozelle, NSW 2039

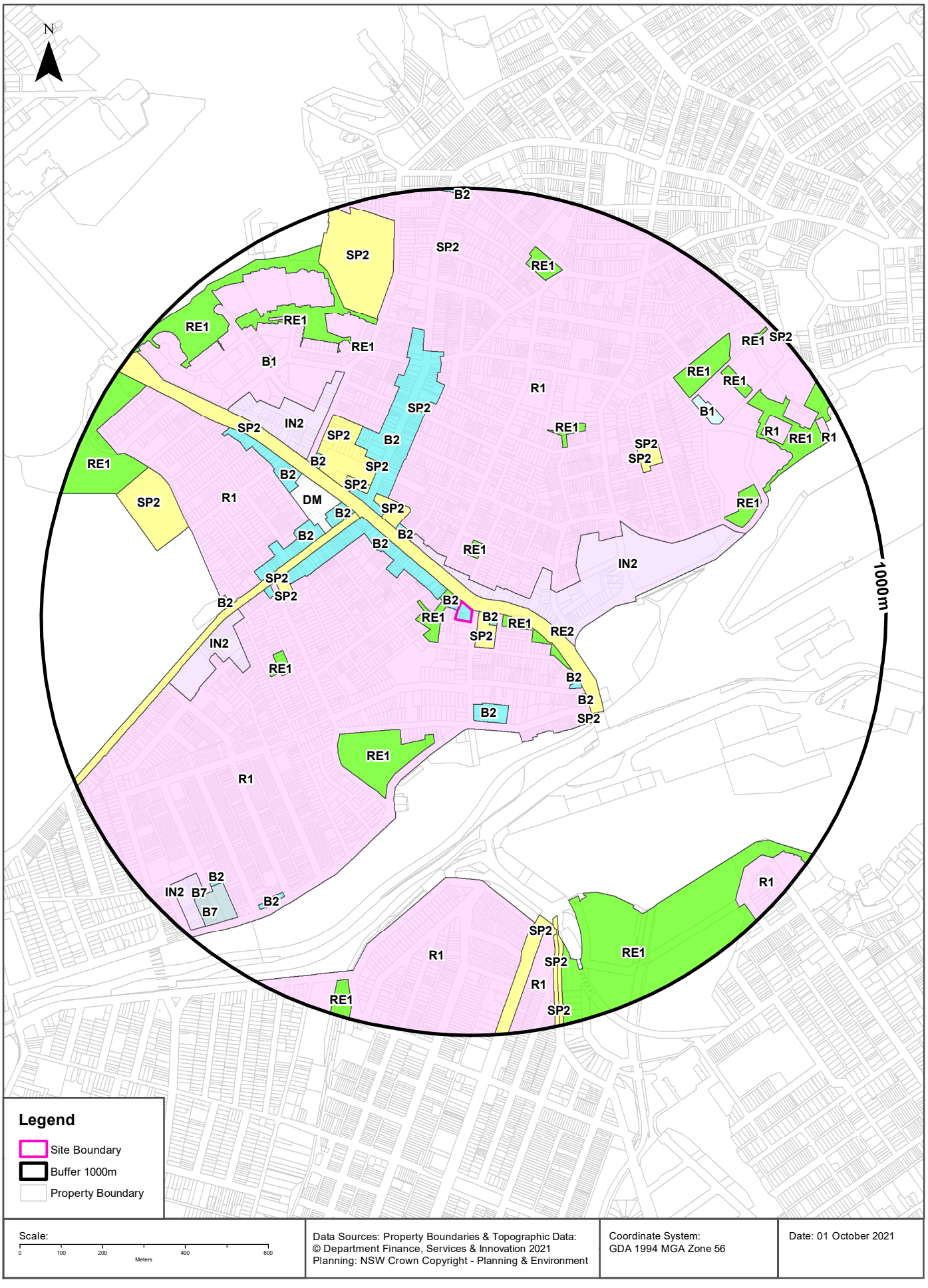
State Significant Precincts

What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
18226	Sydney Harbour Port and Related Employment Lands	State Environmental Planning Policy (State Significant Precincts) 2005	28/09/2011	01/10/2011	01/10/2011	State Environmental Planning Policy (State and Regional Development) 2011	256m	East

EPI Planning Zones

48 Victoria Road, Rozelle, NSW 2039



Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2021
Planning: NSW Crown Copyright - Planning & Environment

Coordinate System: GDA 1994 MGA Zone 56

Date: 01 October 2021

Environmental Planning Instrument

48 Victoria Road, Rozelle, NSW 2039

Land Zoning

What EPI Land Zones exist within the dataset buffer?

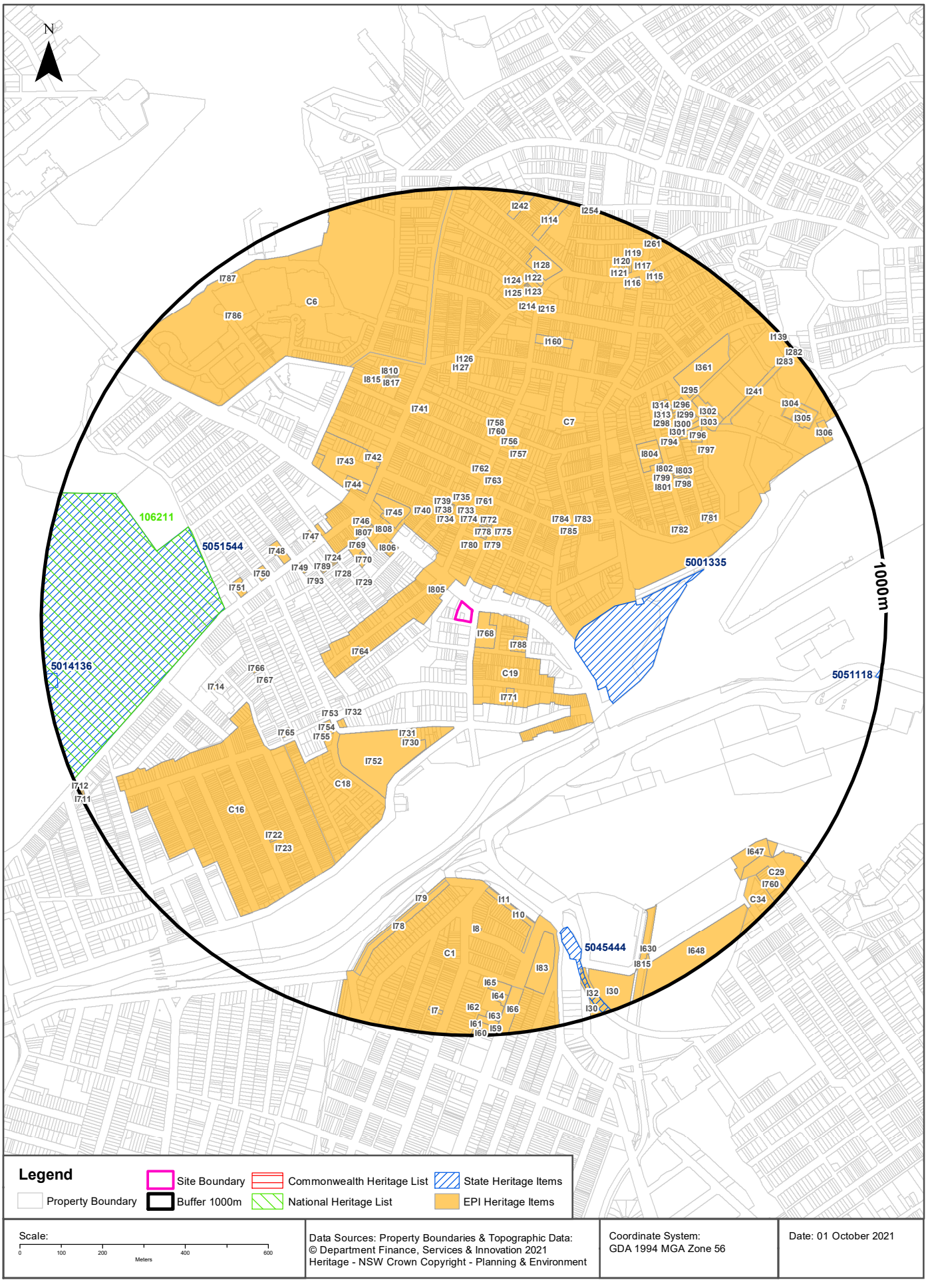
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		0m	On-site
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		0m	South West
SP2	Infrastructure	Classified Road	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		0m	North West
SP2	Infrastructure	Place of Worship and Education Facility	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		15m	South East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		25m	West
IN2	Light Industrial		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		32m	East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		44m	East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		47m	North West
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		56m	North
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		74m	East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		109m	North
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		197m	South
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		206m	North West
RE2	Private Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		212m	East
SP2	Infrastructure	Place of Public Worship	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		239m	North West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		278m	South East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		283m	South West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		284m	North
SP2	Infrastructure	Classified Road	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		319m	West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		319m	South East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		339m	North West
SP2	Infrastructure	Community Facilities	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		348m	North West
SP2	Infrastructure	Infrastructure	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		354m	South East
SP2	Infrastructure	Educational Establishment	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		358m	North West
DM	Deferred Matter		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		360m	North West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		369m	West
SP2	Infrastructure	Electricity Supply	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		381m	North West
SP2	Infrastructure	Community Facilities	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		393m	West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		415m	West
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		419m	North West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		441m	West
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		445m	North East
SP2	Infrastructure	Community Facilities	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		465m	North
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		471m	North West
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		485m	North West
IN2	Light Industrial		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		508m	West
IN2	Light Industrial		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		510m	North West
SP2	Infrastructure	Educational Establishment	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		531m	North East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		542m	West
SP2	Infrastructure	Electricity Supply	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		546m	North East
R1	General Residential		Leichhardt Local Environmental Plan 2013	24/10/2014	24/10/2014	30/04/2021	Amendment No 3	619m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		649m	East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		651m	North
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		672m	North West
SP2	Infrastructure	Electricity Supply	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		681m	West
RE1	Public Recreation		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		709m	South East
SP2	Infrastructure	Educational Establishment	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		712m	North
B1	Neighbourhood Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		731m	North West
B1	Neighbourhood Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		732m	North East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		735m	North East
SP2	Infrastructure	Classified Road	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		738m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		760m	North East
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		769m	South
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		780m	South West
SP2	Infrastructure	Classified Road	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		783m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		788m	North West
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		803m	North
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		816m	North East
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		824m	North West
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		830m	North East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		840m	South West
SP2	Infrastructure	Place of Public Worship	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		847m	North

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B7	Business Park		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		848m	South West
IN2	Light Industrial		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		876m	South West
R1	General Residential		Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	14/08/2020		887m	South East
B7	Business Park		Leichhardt Local Environmental Plan 2013	18/07/2014	18/07/2014	30/04/2021	Amendment No 2	892m	South West
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		909m	South
RE1	Public Recreation		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		936m	North East
R1	General Residential		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		943m	North East
B2	Local Centre		Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		983m	North
SP2	Infrastructure	Health Services Facilities	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	30/04/2021		993m	North East

Heritage Items

48 Victoria Road, Rozelle, NSW 2039



Legend

- Property Boundary
- Site Boundary
- Buffer 1000m
- Commonwealth Heritage List
- National Heritage List
- State Heritage Items
- EPI Heritage Items

Scale: 0 100 200 400 600 Meters

Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2021
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Coordinate System: GDA 1994 MGA Zone 56

Date: 01 October 2021

Heritage

48 Victoria Road, Rozelle, NSW 2039

Commonwealth Heritage List

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

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

National Heritage List

What are the National Heritage List Items located within the dataset buffer?
Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
106211	Callan Park Conservation Area and Buildings	Balmain Rd, Lilyfield NSW	1/12/022/0035	Historic	Nominated place		557m	West

State Heritage Register - Curtilages

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

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5001335	White Bay Power Station	Victoria Road, Rozelle	INNER WEST	02/04/1999	01015	2526	256m	East
5051544	Callan Park Conservation Area & Buildings	Balmain Road, Lilyfield	INNER WEST	02/04/1999	00818	1976	557m	West
5045444	Glebe Railway Viaduct	Wentworth Park, Jubilee Park, Johnstons Creek, Glebe	SYDNEY	02/04/1999	01034	2859	773m	South
5014136	Callan Park House - Rozelle Hospital	Balmain Road, Lilyfield	INNER WEST	02/04/1999	00823	2985	971m	West
5051118	Glebe Island Bridge	Bank Street, Victoria Road, Pyrmont	LEICHARDT	29/11/2013	01914	2590	987m	East

Environmental Planning Instrument - Heritage

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

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I768	St Joseph's Catholic Church and former school, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	15m	South East
C19	Hornsey Street Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	15m	South East
C7	The Valley Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	37m	North East
I805	Former Tower of London Hotel, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	60m	North West
I788	St Joseph's Presbytery, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	106m	South East
I780	Former shop, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	160m	North
I779	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	165m	North
I778	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	173m	North
I771	House, 'Hornsey', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	180m	South East
I777	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	181m	North
I776	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	186m	North
I775	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	191m	North
I774	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	195m	North
I773	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	200m	North
I772	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	205m	North
I806	Former Mechanics Institute, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	214m	North West
I733	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	217m	North
I734	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	219m	North
I735	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	221m	North
I729	Corner building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	223m	West
I736	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	223m	North
I737	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	225m	North
I738	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	228m	North
I739	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	230m	North

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I764	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	234m	West
I740	House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	236m	North
I745	St Thomas' Church group, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	239m	North West
I761	Former corner shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	243m	North
I770	Former tramway stables and substation garage, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	246m	North West
C18	Easton Park Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	257m	South West
I769	Former tramway substation, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	268m	North West
I807	York Buildings, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	280m	North West
I730	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	284m	South West
I808	York Buildings, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	286m	North West
I731	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	288m	South West
I746	York buildings, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	288m	North West
I809	York Buildings, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	291m	North West
I785	Former corner shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	292m	North East
I752	Easton Park	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	298m	South West
I784	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	305m	North East
I783	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	309m	North East
I728	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	313m	West
I763	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	314m	North
I727	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	316m	West
I726	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	319m	West
I762	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	319m	North
I725	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	322m	West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I724	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	325m	West
I793	Mary Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	326m	West
I789	Mary Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	329m	West
I792	Mary Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	329m	West
I791	Mary Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	332m	West
I790	Mary Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	335m	West
I744	St Paul's Church and neighbourhood centre, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	348m	North West
I743	Rozelle Public School, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	358m	North West
I732	Smith's Hall, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	362m	South West
I749	Single storey commercial building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	377m	West
I747	Former police station, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	381m	North West
I753	Corner shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	389m	South West
I742	Former bank building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	390m	North West
I754	Shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	391m	South West
I757	Brick building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	395m	North
I755	House, 'Rotherhithe Cottage', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	396m	South West
I756	Corner building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	400m	North
I760	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	419m	North
I748	Single storey shops, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	422m	West
I759	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	424m	North
I758	Stone building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	424m	North
I750	Former Fire Brigade/Ambulance Training Centre, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	460m	West
I741	Hannaford Senior Citizen Centre, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	465m	North

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I765	Cottage and former broom factory, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	479m	South West
I767	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	480m	West
I766	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	481m	West
I751	Maxwell House, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	507m	West
C16	Brennan's Estate Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	513m	South West
I804	School, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	531m	North East
I782	Corner building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	533m	East
I817	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	549m	North
I816	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	553m	North
I815	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	556m	North
I814	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	559m	North
I813	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	561m	North
I812	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	564m	North
I126	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	565m	North
I127	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	565m	North
I811	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	566m	North
I810	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	569m	North
I798	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	577m	North East
I799	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	578m	North East
C6	Iron Cove Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	580m	North West
I800	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	580m	North East
I801	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	581m	North East
I802	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	582m	North East
I803	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	584m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I714	Timber Cottage, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	590m	West
I781	Bald Rock Hotel, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	606m	East
C1	Annandale Heritage Conservation Area	Conservation Area - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	619m	South
I79	Avenue of Phoenix canariensis	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	622m	South
I78	Street trees, row of Palms	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	627m	South
I11	Iron/sandstone palisade fence	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	641m	South
I313	House, 'Providence', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	641m	North East
I10	Street trees, row of Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	642m	South
I796	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	650m	North East
I160	Street trees- various species	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	651m	North
I314	Former house and front fence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	653m	North East
I794	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	656m	North East
I301	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	658m	North East
I300	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	662m	North East
I722	Former shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	666m	South West
I299	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	667m	North East
I797	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	667m	North East
I723	Former shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	671m	South West
I298	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	672m	North East
I795	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	678m	North East
I296	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	680m	North East
I295	Semi-detached house, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	684m	North East
I303	Street trees, row of Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	717m	North East
I302	Former Unilever administration building and fence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	732m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I215	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	732m	North
I8	Shop and residence, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	734m	South
I361	Punch Park	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	735m	North East
I214	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	737m	North
I241	Street trees-row of Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	746m	North East
I125	Timber terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	763m	North
I124	Timber terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	766m	North
I123	Timber terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	768m	North
I83	Sandstone retaining wall	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	769m	South
I122	Former Mertonville Hotel, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	786m	North
I128	Anne Cashman Reserve	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	803m	North
I630	Johnstons Creek	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	813m	South East
I647	Pope Paul VI Reserve	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	847m	South East
C29	Glebe Point Road	Conservation Area - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	847m	South East
I116	Exchange Hotel, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	855m	North East
I65	House, 'The Abbey', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	864m	South
I786	Former Balmain Power Station administration building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	874m	North West
I121	Commercial terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	875m	North East
I32	Railway viaduct	Item - General	State	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	877m	South
I120	Commercial terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	880m	North East
I304	Former Unilever vim plant, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	883m	North East
I119	Commercial terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	884m	North East
I30	Federal Park	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	885m	South
I59	Large sandstone wall and gateways to homes	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	885m	South

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I66	Street trees-Brush Box	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	886m	South
I118	Commercial terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	888m	North East
I114	Street trees, row ofPhoenix canariensis	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	892m	North
I117	Commercial terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	892m	North East
I64	House, 'Oybin', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	893m	South
I305	Former Unilever oil mill, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	896m	North East
I115	Commercial building, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	904m	North East
C34	Toxteth	Conservation Area - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	909m	South East
I815	Allen truss bridge, former Federal Road Bridge	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	910m	South East
I760	House group	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	919m	South East
I648	Jubilee Park & Oval	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	928m	South East
I242	Street trees-row ofPhoenix canariensis	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	932m	North
I7	Semi-detached house, 'Pen Dinas', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	934m	South
I63	House, 'Greba', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	941m	South
I306	Former Unilever copra store, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	943m	North East
I62	House, 'Hockingdon', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	948m	South
I30	Federal Park	Item - General	Local	Sydney Local Environmental Plan 2012	14/12/2012	14/12/2012	29/01/2021	952m	South
I787	Former Balmain Power Station pumping station, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	956m	North West
I61	House, 'Highroyd', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	963m	South
I261	Balmain Co-op Society Limited, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	975m	North East
I60	House, 'Kenilworth', including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	977m	South
I712	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	986m	South West
I711	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	990m	South West
I282	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	992m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I139	Balmain Hospital complex, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	993m	North East
I254	Street trees, Brush Box and Ficus hillii sp	Item - Landscape	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	994m	North
I710	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	995m	South West
I283	Terrace, including interiors	Item - General	Local	Leichhardt Local Environmental Plan 2013	23/12/2013	03/02/2014	17/02/2017	998m	North East

Natural Hazards

48 Victoria Road, Rozelle, NSW 2039

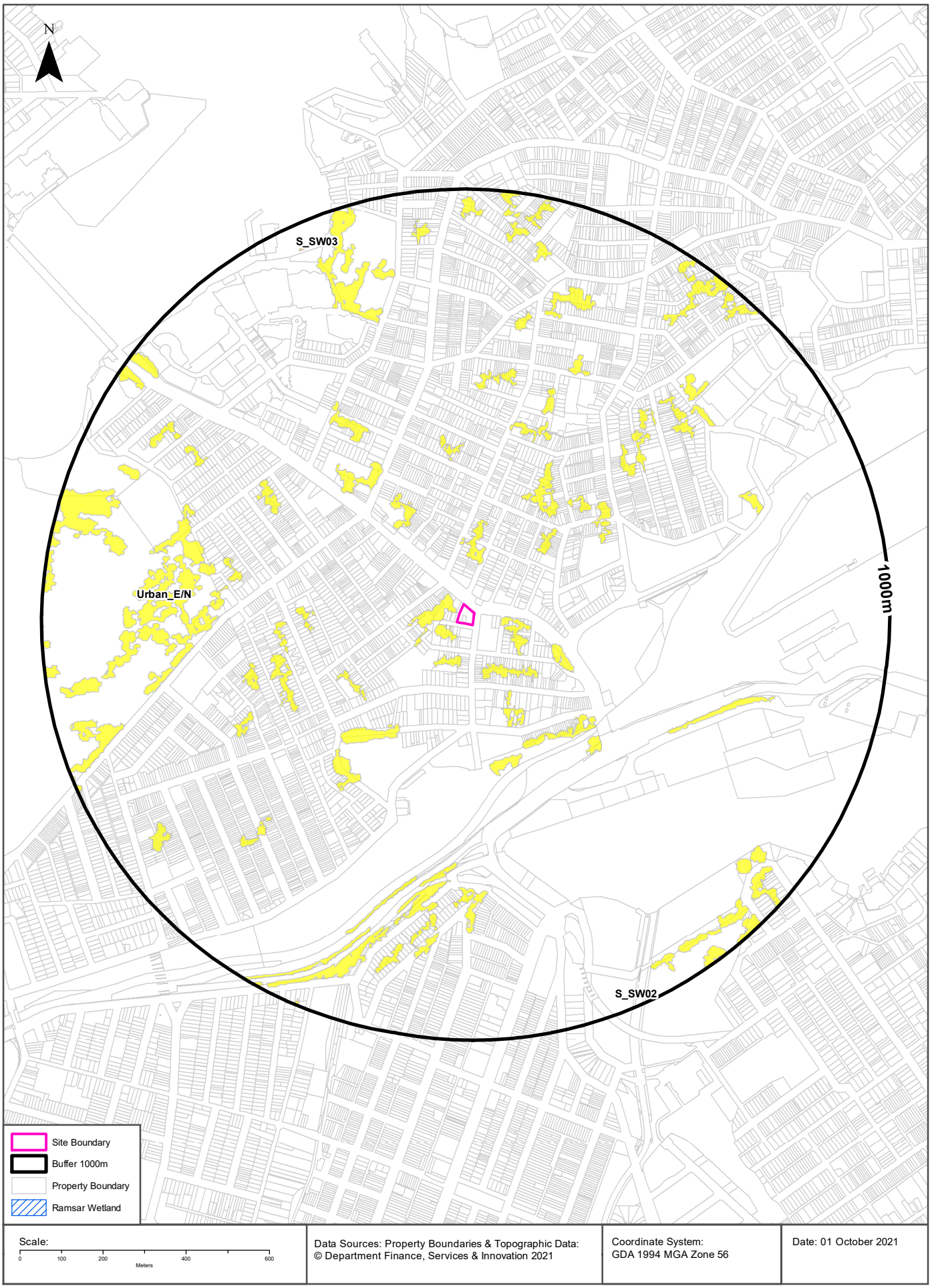
Bush Fire Prone Land

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

Bush Fire Prone Land Category	Distance	Direction
No records in buffer		

Ecological Constraints - Vegetation & Ramsar Wetlands

48 Victoria Road, Rozelle, NSW 2039



Ecological Constraints

48 Victoria Road, Rozelle, NSW 2039

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Map Unit Name	Threatened Ecological Community NSW	Threatened Ecological Community EPBC Act	Understorey	Disturbance	Disturbance Index	Dominant Species	Dist	Dir
Urban_E/N	Urban_E/N: Urban Exotic/Native			00: Not assessed	00: Not assessed	0: Not assessed	Urban Exotic/Native	9m	West
S_SW02	S_SW02: Estuarine Saltmarsh	Coastal Saltmarsh	Subtropical and Temperate Coastal Saltmarsh (possible)	00: Not assessed	00: Not assessed	0: Not assessed	S.repens/S.quinqueflora/S.virginicusJ.krausii	920m	South East
S_SW03	S_SW03: Seagrass Meadows			00: Not assessed	00: Not assessed	0: Not assessed	Seagrass (DPI)	937m	North West

Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

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

Ecological Constraints

48 Victoria Road, Rozelle, NSW 2039

Groundwater Dependent Ecosystems Atlas

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

Ecological Constraints

48 Victoria Road, Rozelle, NSW 2039

Inflow Dependent Ecosystems Likelihood

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

Ecological Constraints

48 Victoria Road, Rozelle, NSW 2039

NSW BioNet Atlas

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

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Crinia tinnula	Wallum Froglet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Amphibia	Pseudophryne australis	Red-crowned Toadlet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Actitis hypoleucos	Common Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Anseranas semipalmata	Magpie Goose	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Ardenna grisea	Sooty Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna pacifica	Wedge-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Arenaria interpres	Ruddy Turnstone	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Botaurus poiciloptilus	Australasian Bittern	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Burhinus grallarius	Bush Stone-curlew	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Calidris acuminata	Sharp-tailed Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris alba	Sanderling	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris canutus	Red Knot	Not Listed	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris ferruginea	Curlew Sandpiper	Endangered	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris melanotos	Pectoral Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Calidris ruficollis	Red-necked Stint	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calidris tenuirostris	Great Knot	Vulnerable	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus lathami	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Certhionyx variegatus	Pied Honeyeater	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Charadrius leschenaultii	Greater Sand-plover	Vulnerable	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Charadrius mongolus	Lesser Sand-plover	Vulnerable	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Chlidonias leucopterus	White-winged Black Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Circus assimilis	Spotted Harrier	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Diomedea exulans	Wandering Albatross	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Ephippiorhynchus asiaticus	Black-necked Stork	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Endangered Population, Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Erythrotriorchis radiatus	Red Goshawk	Critically Endangered	Category 2	Vulnerable	
Animalia	Aves	Falco subniger	Black Falcon	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Gelochelidon nilotica	Gull-billed Tern	Not Listed	Not Sensitive	Not Listed	CAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus fuliginosus	Sooty Oystercatcher	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Category 3	Critically Endangered	
Animalia	Aves	Limicola falcinellus	Broad-billed Sandpiper	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Limosa limosa	Black-tailed Godwit	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lophochroa leadbeateri	Major Mitchell's Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Macronectes giganteus	Southern Giant Petrel	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Manorina melanotis	Black-eared Miner	Critically Endangered	Not Sensitive	Endangered	
Animalia	Aves	Menura alberti	Albert's Lyrebird	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Nettapus coromandelianus	Cotton Pygmy-Goose	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Ninox connivens	Barking Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Numenius madagascariensis	Eastern Curlew	Not Listed	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius minutus	Little Curlew	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius phaeopus	Whimbrel	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Onychoprion fuscata	Sooty Tern	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Petroica phoenicea	Flame Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Phaethon lepturus	White-tailed Tropicbird	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Philomachus pugnax	Ruff	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Pluvialis fulva	Pacific Golden Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Polytelis anthopeplus monarchoides	Regent Parrot (eastern subspecies)	Endangered	Category 3	Vulnerable	
Animalia	Aves	Polytelis swainsonii	Superb Parrot	Vulnerable	Category 3	Vulnerable	
Animalia	Aves	Pterodroma leucoptera leucoptera	Gould's Petrel	Vulnerable	Not Sensitive	Endangered	
Animalia	Aves	Pterodroma solandri	Providence Petrel	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus regina	Rose-crowned Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus superbus	Superb Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Rostratula australis	Australian Painted Snipe	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stercorarius longicaudus	Long-tailed Jaeger	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Stercorarius pomarinus	Pomarine Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Sterna hirundo	Common Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Sternula albifrons	Little Tern	Endangered	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Sula dactylatra	Masked Booby	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Thalassarche chrysostoma	Grey-headed Albatross	Not Listed	Not Sensitive	Endangered	
Animalia	Aves	Thalassarche melanophris	Black-browed Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Thalasseus bergii	Crested Tern	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Thinornis cucullatus cucullatus	Eastern Hooded Dotterel	Critically Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Tringa brevipes	Grey-tailed Tattler	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Tringa glareola	Wood Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Tringa nebularia	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Tringa stagnatilis	Marsh Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA
Animalia	Aves	Tyto longimembris	Eastern Grass Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto tenebricosa	Sooty Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Xenus cinereus	Terek Sandpiper	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA;JAMBA

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Insecta	Petalura gigantea	Giant Dragonfly	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Aepyprymnus rufescens	Rufous Bettong	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus forsteri	New Zealand Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus pusillus doriferus	Australian Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Chalinolobus dwyeri	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Dasyurus viverrinus	Eastern Quoll	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Dugong dugon	Dugong	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	Eubalaena australis	Southern Right Whale	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Megaptera novaeangliae	Humpback Whale	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus australis	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Perameles nasuta	Long-nosed Bandicoot	Endangered Population	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolcensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascolarctos cinereus	Koala	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Pseudomys gracilicaudatus	Eastern Chestnut Mouse	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Vespadelus troughtoni	Eastern Cave Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Aspidites ramsayi	Woma	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Dermochelys coriacea	Leatherback Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Tiliqua occipitalis	Western Blue-tongued Lizard	Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Camarophyllopsis kearneyi		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe anomala var. ianthinomarginata		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe aurantipes		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe austropratensis		Endangered	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Fungi	Flora	Hygrocybe collucera		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe griseoramosa		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe lanecovensis		Endangered	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe reesiae		Vulnerable	Not Sensitive	Not Listed	
Fungi	Flora	Hygrocybe rubronivea		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia bynoeana	Bynoe's Wattle	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia gordonii		Endangered	Not Sensitive	Endangered	
Plantae	Flora	Acacia pubescens	Downy Wattle	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Acacia terminalis subsp. Eastern Sydney	Sunshine wattle	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Allocasuarina portuensis	Nielsen Park She-oak	Endangered	Category 3	Endangered	
Plantae	Flora	Amperea xiphoclada var. pedicellata		Presumed Extinct	Not Sensitive	Extinct	
Plantae	Flora	Asterolasia buxifolia		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Caladenia tessellata	Thick Lip Spider Orchid	Endangered	Category 2	Vulnerable	
Plantae	Flora	Callistemon linearifolius	Netted Bottle Brush	Vulnerable	Category 3	Not Listed	
Plantae	Flora	Darwinia biflora		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Dichanthium setosum	Bluegrass	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Dillwynia tenuifolia		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Diuris arenaria	Sand Doubletail	Endangered	Category 2	Not Listed	
Plantae	Flora	Doryanthes palmeri	Giant Spear Lily	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Epacris purpurascens var. purpurascens		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus camfieldii	Camfield's Stringybark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus fracta	Broken Back Ironbark	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus leucoxylon subsp. pruinosa	Yellow Gum	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Eucalyptus nicholii	Narrow-leaved Black Peppermint	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus pulverulenta	Silver-leafed Gum	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Eucalyptus scoparia	Wallangarra White Gum	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Genoplesium baueri	Bauer's Midge Orchid	Endangered	Category 2	Endangered	
Plantae	Flora	Grammitis stenophylla	Narrow-leaf Finger Fern	Endangered	Category 3	Not Listed	
Plantae	Flora	Grevillea beadleana	Beadle's Grevillea	Endangered	Category 3	Endangered	
Plantae	Flora	Grevillea caleyi	Caley's Grevillea	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	Hibbertia puberula		Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Hibbertia spanantha	Julian's Hibbertia	Critically Endangered	Category 2	Critically Endangered	
Plantae	Flora	Isotoma fluviatilis subsp. fluviatilis		Not Listed	Not Sensitive	Extinct	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Plantae	Flora	Lasiopetalum joyceae		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Leptospermum deanei		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Macadamia integrifolia	Macadamia Nut	Not Listed	Not Sensitive	Vulnerable	
Plantae	Flora	Macadamia tetraphylla	Rough-shelled Bush Nut	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Melaleuca biconvexa	Biconvex Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Melaleuca deanei	Deane's Paperbark	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Persoonia hirsuta	Hairy Geebung	Endangered	Category 3	Endangered	
Plantae	Flora	Pimelea curviflora var. curviflora		Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Pomaderris prunifolia	Plum-leaf Pomaderris	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Prasophyllum fuscum	Slaty Leek Orchid	Critically Endangered	Category 2	Vulnerable	
Plantae	Flora	Prostanthera marifolia	Seaforth Mintbush	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Critically Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Sarcochilus hartmannii	Hartman's Sarcochilus	Vulnerable	Category 2	Vulnerable	
Plantae	Flora	Senna acclinis	Rainforest Cassia	Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Tetratheca glandulosa		Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Tetratheca juncea	Black-eyed Susan	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Thesium australe	Austral Toadflax	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Triplarina imbricata	Creek Triplarina	Endangered	Not Sensitive	Endangered	
Plantae	Flora	Wahlenbergia multicaulis	Tadgell's Bluebell	Endangered Population	Not Sensitive	Not Listed	
Plantae	Flora	Wilsonia backhousei	Narrow-leafed Wilsonia	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Zannichellia palustris		Endangered	Not Sensitive	Not Listed	

Data does not include NSW category 1 sensitive species.

Location Confidences

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

LC Code	Location Confidence
Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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Appendix H – Borehole Logs

BOREHOLE: BH101M

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Contamination | Remediation | Geotechnical

Project	Preliminary Site Investigation			Sheet	1 OF 1
Location	48 Victoria Road, Rozelle NSW			Date Started	1/10/21
Position	Refer to Figure 2			Date Completed	1/10/21
Job No.	E25359.E01	Contractor	Hartgeo Drilling Pty Ltd	Logged	MC
Client	PMDL Architecture and Design	Drill Rig	UTE-mounted drilling rig	Checked	LY
		Inclination	-90°		

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	PIEZOMETER DETAILS ID / Static Water Level
AD/T	-	▽	0	0.10	BH101M_0.1-0.2			-	ASPHALT.			BH101M
								-	FILL: Silty SAND; fine to medium grained, brown, with asphalt fragments, no odour.			Gatic Cover; Cuttings
				0.60	BH101M_0.7-0.8			S	Silty SAND; fine to medium grained, brown to orange, with low to medium plasticity clay, with sub-rounded to rounded gravels, no odour.			
			1	1.20	BH101M_1.2-1.3			-	SANDSTONE; extremely weathered, pale pink, no odour.			
			2									Bentonite
			3							M		
			4	4.20					From 4.2 with Clayey SAND bands.		-	
			5									uPVC 50 mm Casing
			6									uPVC 50 mm Screen
			7									Sand
			8							W		
			9	9.00					Hole Terminated at 9.00 mBGL; Target depth reached			Cuttings
			10									

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

BOREHOLE: BH102

eiaustralia
Contamination | Remediation | Geotechnical

Project	Preliminary Site Investigation			Sheet	1 OF 1
Location	48 Victoria Road, Rozelle NSW			Date Started	1/10/21
Position	Refer to Figure 2			Date Completed	1/10/21
Job No.	E25359.E01	Contractor	BG Drilling Pty Ltd	Logged	MC
Client	PMDL Architecture and Design	Drill Rig	Solid flight auger drill rig	Checked	LY
		Inclination	-90°		

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0					-	ASPHALT.			PAVEMENT
				0.10								
					BH102_0.1-0.2			-	FILL: Silty SAND; fine to medium grained, brown, with asphalt fragments, no odour.			FILL
			0.5									
AD/T	-	GWNE			BH102_0.7-0.8					D	-	
				0.80				S	Silty SAND; fine to medium grained, brown to orange, with low to medium plasticity clay, with sub-rounded to rounded gravels, no odour.			NATURAL
			1.0									
				1.20	BH102_1.2-1.3			-	SANDSTONE; extremely weathered, pale pink, no odour.			BEDROCK
				1.50								
			1.5						Hole Terminated at 1.50 mBGL; Target depth reached			
			2.0									

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

BOREHOLE: BH103

eiaustralia
Contamination | Remediation | Geotechnical

Project	Preliminary Site Investigation			Sheet	1 OF 1
Location	48 Victoria Road, Rozelle NSW			Date Started	1/10/21
Position	Refer to Figure 2			Date Completed	1/10/21
Job No.	E25359.E01	Contractor	BG Drilling Pty Ltd	Logged	MC
Client	PMDL Architecture and Design	Drill Rig	Solid flight auger drill rig	Checked	LY
		Inclination	-90°		

Drilling					Sampling		Field Material Description					
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
AD/T	-	GWNE	0.0					-	ASPHALT.	D	-	PAVEMENT
				0.10	BH103_0.1-0.2			-	FILL: Silty SAND; fine grained, dark brown, no odour.			FILL
				0.30				SM	Silty SAND; fine grained orange and brown, with sub-rounded to rounded sandstone gravels, no odour.			NATURAL
			0.5		BH103_0.6-0.7							
				0.80				-	SANDSTONE; extremely weathered, pale pink and pale orange, no odour.			BEDROCK
			1.0		BH103_1.2-1.3							
				1.50					Hole Terminated at 1.50 mBGL; Target depth reached			
			1.5									
			2.0									

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

Appendix I – Field Data Sheets

WATER SAMPLING FIELD SHEET

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Site Address: 48 Victoria Rd, Rozelle	Job Number: E25359
Client:	Date: 7/10/21
Field Staff: AS	Sampling Location ID BH1M
Well Location: Carpark	Round No: 1

MEDIUM ☒Groundwater ☐Surface Water ☐Stormwater ☐Other:

SAMPLING POINT INFO

Well Installation Date:	Stick up / down (m): -0.09 (+ above ground - below ground)
Initial Well Depth (mBTOC):	Screen Interval (mBTOC):
Previous Sampling Date:	Previous SWL (mBTOC):

PID READINGS

PID Headspace (ppm):	PID Background (ppm):
PID Breathing Space (ppm):	

PRE PURGE

Total Well Depth (mBTOC): 8.62	Well Head Condition: Good
SWL (mBTOC): 3.50	Water Column (m): 5.12

PHASE SEPARATED HYDROCARBONS (PSH)

Depth to PSH (mBTOC):	PSH Visually Confirmed (Bailer):
PSH Thickness (mm):	

Field Filtered

Yes (0.45 µm) ☒ No ☐ (Request lab 0.45 µm filter the sample)

PURGE AND SAMPLE

Sampling Method ☒Bladder ☐Peristaltic ☐Submersible ☐Other:

Depth of Pump Inlet (mBTOC): 6.00m	Fill Timer: 10s
Pump Pressure Regulator (psi): 20	Discharge Timer: 5s
Weather Conditions: Sunny	Cycle: C8M4
Pump on time: 10:23	Pump off time: 10:45

WATER QUALITY PARAMETERS

Probe Make and Model: WQM006	Bump Test Date and Time:

Time	Volume (L)	SWL (mbtoc)	Temp (°C)	EC (µS/cm)	Redox (mV)	DO (mg/L)	pH (units)	Comments (colour, turbidity, odour, sheen etc.)
10:24	0.5	3.60	23.28	820	121.1	0.14	5 ito	light greyish brown, ~~too~~ mod, no, no
10:25	1.0	3.60	22.85	700	33.5	0.00	4.97	
10:26	1.5	3.60	22.54	647	10.3	0.00	4.90	
10:27	2.0	3.60	22.72	621	1.5	0.00	4.87	
10:28	2.5	3.60	22.70	616	0.6	0.00	4.89	
10:29	3.0	3.60	22.69	611	-2.7	0.00	4.89	
Stabilisation range: 3 consecutive readings			±0.2°C	±3%	±20mV	±10%	±0.2	

OTHER COMMENTS/OBSERVATIONS:

GW-QD1/QT1 taken, Purge run off low flow pump.

SIGNATURE:

Appendix J – Chain of Custody and Sample Receipt Forms

Sheet 1 of 2

Site: 48 Victoria Rd, Rozelle

Project No: E25359

Laboratory: SGS Australia
Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	Sample Matrix: SOIL	WATER	0.45 µm field filtered	OTHER	Analysis: HM [A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM [A] /TRH/BTEX/PAHs	HM [A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride			TCLP HM [B] / PAH
BH101M 0.1-0.2	1	J,ZLB	1/10/2021	AM	X				X																		
BH101M 0.7-0.8		J,ZLB	1/10/2021	AM	X																						
BH101M 1.2-1.3		J,ZLB	1/10/2021	AM	X																						
BH102 0.1-0.2	2	J,ZLB	1/10/2021	AM	X				X																		
BH102 0.7-0.8		J,ZLB	1/10/2021	AM	X																						
BH102 1.2-1.3	3	J,ZLB	1/10/2021	AM	X					X																	
BH103 0.1-0.2	4	J,ZLB	1/10/2021	AM	X				X																		
BH103 0.6-0.7		J,ZLB	1/10/2021	AM	X																						
BH103 1.2-1.3		J,ZLB	1/10/2021	AM	X																						
QD1	5	J	1/10/2021	AM	X						X																
QT1	[redacted]	J	1/10/2021	AM	X						X																
QR1	6	S,P,2xVC	1/10/2021	AM		X					X																

Comments

HM [A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM [B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH

SGS EHS Sydney COC
SE224219

LABORATORY TURNAROUND
- ■ Standard
- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours
- ☐ Other_____

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass botlle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Report with EI Waste Classification Table ☐

Sampler's Name (EI):		Received by (SGS):
Print	Manish Chandra	Print: George Zhi
Signature		Signature: Zhi
Date	1/10/2021	Date: 1/10/21 @ 4:15pm

Sampler's Comments:
please CC
Emmanuel.Woelders@eiaustralia.com.au
please send QT1 to Envirolab

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

eiaustralia
Contamination | Remediation | Geotechnical
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

Sheet 2 of 2

Site:	Project No:
48 Victoria Rd, Rozelle	E25359

Laboratory: **SGS Australia**
Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	Sample Matrix: SOIL	WATER	0.45 µm field filtered	OTHER	Analysis: HM [A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM [A] /TRH/BTEX/PAHs	HM [A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride			TCLP HM [B] / PAH
QRB1		S,P,2xVC	1/10/2021	AM		X																					
TB	7	VC	LAB PREPARED		X							X															
TS	8	VC	LAB PREPARED		X							X															

Comments

HM [A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM [B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH

LABORATORY TURNAROUND

- [x] Standard
- [ ] 24 Hours
- [ ] 48 Hours
- [ ] 72 Hours
- [ ] Other_____

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass bottle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

eiaustralia
Contamination Remediation Geotechnical
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Name (EI):		Received by (SGS):	
Print	Manish Chandra	Print	George Zhi
Signature		Signature	
Date	1/10/2021	Date	1/10/21 @ 4:15pm

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

Report with EI Waste Classification Table ☐

Sampler's Comments:
please CC
Emmanuel.Woelders@eiaustralia.com.au
please send QT1 to Envirolab

SAMPLE RECEIPT ADVICE

SE224219

CLIENT DETAILS

Contact	Emmanuel Woelders
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	emmanuel.woelders@eiaustralia.com.au
Project	**E25359 48 Victoria Rd, Rozelle**
Order Number	**E25359**
Samples	8

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
Samples Received	Fri 1/10/2021
Report Due	Mon 11/10/2021
SGS Reference	**SE224219**

SUBMISSION DETAILS

This is to confirm that 8 samples were received on Friday 1/10/2021. Results are expected to be ready by COB Monday 11/10/2021. Please quote SGS reference SE224219 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Samples clearly labelled	Yes	Complete documentation received	Yes
Sample container provider	SGS	Sample cooling method	Ice Bricks
Samples received in correct containers	Yes	Sample counts by matrix	7 Soil, 1 Water
Date documentation received	1/10/2021	Type of documentation received	COC
Samples received in good order	Yes	Samples received without headspace	Yes
Sample temperature upon receipt	18°C	Sufficient sample for analysis	Yes
Turnaround time requested	Standard		

Unless otherwise instructed, water and bulk samples will be held for one month from date of report, and soil samples will be held for two months.

COMMENTS

7 samples have been placed on hold as no tests have been assigned for them by the client. These samples will not be processed.

SAMPLE RECEIPT ADVICE

SE224219

CLIENT DETAILS

Client EI AUSTRALIA

Project E25359 48 Victoria Rd, Rozelle

SUMMARY OF ANALYSIS

No.	Sample ID	OC Pesticides in Soil	OP Pesticides in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	PCBs in Soil	Total Recoverable Elements in Soil/Waste	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
001	BH101M 0.1-0.2	29	14	26	11	7	10	11	7
002	BH102 0.1-0.2	29	14	26	11	7	10	11	7
003	BH102 1.2-1.3	-	-	26	-	7	10	11	7
004	BH103 0.1-0.2	29	14	26	11	7	10	11	7
005	QD1	-	-	-	-	7	10	11	7
007	TB	-	-	-	-	-	-	11	-
008	TS	-	-	-	-	-	-	11	-

CONTINUED OVERLEAF

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

SAMPLE RECEIPT ADVICE

SE224219

CLIENT DETAILS

Client EI AUSTRALIA

Project E25359 48 Victoria Rd, Rozelle

SUMMARY OF ANALYSIS

No.	Sample ID	Fibre Identification in soil	Mercury in Soil	Moisture Content	VOCs in Water
001	BH101M 0.1-0.2	2	1	1	-
002	BH102 0.1-0.2	2	1	1	-
003	BH102 1.2-1.3	-	1	1	-
004	BH103 0.1-0.2	2	1	1	-
005	QD1	-	1	1	-
006	QR1	-	-	-	11
007	TB	-	-	1	-

CONTINUED OVERLEAF

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

SAMPLE RECEIPT ADVICE

SE224219

CLIENT DETAILS

Client EI AUSTRALIA

Project E25359 48 Victoria Rd, Rozelle

SUMMARY OF ANALYSIS

No.	Sample ID	Mercury (dissolved) in Water	Trace Metals (Dissolved) in Water by ICPMS	TRH (Total Recoverable Hydrocarbons) in Water	Volatile Petroleum Hydrocarbons in Water
006	QR1	1	7	9	7

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

Sheet 1 of 1

Site: 48 Victoria Rd, Rozelle

Project No: E25359

Laboratory: SGS Australia
Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	SOIL	WATER	0.45 µm field filtered	OTHER	HM [A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM [A] /TRH/BTEX/PAHs	HM [A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride			TCLP HM [B] / PAH
BHIM	1	S,2xP, 2xVC	7/10/21	am		X	X			X			X														
GW-QD1	2	S,P,2xVC	↓	↓		X	X				X																
GW-QR1	3	↓	↓	↓		X					X																
GW-QRD1		↓	↓	↓		X																					
GW-QTB1	4	VC	Lab Prepared	↓		X						X															
GW-QTS1	5	↓	↓	↓		X						X															

Comments

HM [A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM [B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH
Total Phenol

LABORATORY TURNAROUND

- ☐ Standard
- ☐ 24 Hours
- ☐ 48 Hours
- ☒ 72 Hours
- ☐ Other_____

SGS EHS Sydney COC
SE224359

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass bottle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

eiaustralia
Contamination | Remediation | Geotechnical
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

COC June 2021 FORM v.5 - SGS

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Name (EI):	Received by (SGS):
Print: Andrew Schmidt	Print: George Zhi
Signature:	Signature:
Date: 7/10/21	Date: 7/10/21 @ 2:55

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

Report with EI Waste Classification Table ☐

Sampler's Comments:
Please cc: Emmanuel.Ubeledes
Please forward GW-QT1 to Envirolab

SAMPLE RECEIPT ADVICE

SE224359

CLIENT DETAILS

Contact	Andrew Schmidt
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	andrew.schmidt@eiaustralia.com.au
Project	**E25359 48 Victoria Rd, Rozelle**
Order Number	**E25359**
Samples	5

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
Samples Received	Thu 7/10/2021
Report Due	Tue 12/10/2021
SGS Reference	**SE224359**

SUBMISSION DETAILS

This is to confirm that 5 samples were received on Thursday 7/10/2021. Results are expected to be ready by COB Tuesday 12/10/2021. Please quote SGS reference SE224359 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Samples clearly labelled	Yes	Complete documentation received	Yes
Sample container provider	SGS	Sample cooling method	Ice Bricks
Samples received in correct containers	Yes	Sample counts by matrix	5 Water
Date documentation received	7/10/2021	Type of documentation received	COC
Samples received in good order	Yes	Samples received without headspace	Yes
Sample temperature upon receipt	20°C	Sufficient sample for analysis	Yes
Turnaround time requested	Three Days		

Unless otherwise instructed, water and bulk samples will be held for one month from date of report, and soil samples will be held for two months.

COMMENTS

SAMPLE RECEIPT ADVICE

SE224359

CLIENT DETAILS

Client EI AUSTRALIA

Project E25359 48 Victoria Rd, Rozelle

SUMMARY OF ANALYSIS

No.	Sample ID	Mercury (dissolved) in Water	PAH (Polynuclear Aromatic Hydrocarbons) in Water	Trace Metals (Dissolved) in Water by ICPMS	TRH (Total Recoverable Hydrocarbons) in Water	VOCs in Water	Volatile Petroleum Hydrocarbons in Water
001	BH1M	1	22	7	9	78	7
002	GW-QD1	1	-	7	9	11	7
003	GW-QR1	1	-	7	9	11	7
004	GW-QTB1	-	-	-	-	11	-
005	GW-QTS1	-	-	-	-	11	-

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

Sheet 1 of 1

Site:	Project No:
48 Victoria Rd, Rozelle	E25359

Laboratory: **Envirolab Services**
12 Ashley Street,
CHATSWOOD NSW 2067
P: 02 9910 6200

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	Sample Matrix: SOIL	WATER	0.45 µm field filtered	OTHER	Analysis: HM A /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM A /TRH/BTEX/PAHs	HM A /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride			TCLP HM B / PAH
QT1	\	J	1/10/2021	AM	X							X															

Environlab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 279660

Date Received: 05/10/21

Time Received: 15:00

Received By: CH

Temp: Cool/Ambient

Cooling: Ice/Icepack

Security: Intact/Broken/None

Comments

HM A
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM B
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH

LABORATORY TURNAROUND

- [x] Standard
- [ ] 24 Hours
- [ ] 48 Hours
- [ ] 72 Hours
- [ ] Other____

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass botlle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Report with EI Waste Classification Table ☐

Sampler's Name (EI):	Received by (Envirolab):
Print: Manish Chandra	Print: Christine.
Signature:	Signature:
Date: 1/10/2021	Date: 05/10/21 15:00

Sampler's Comments:
please CC
Emmanuel.Woelders@eiaustralia.com.au

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

eiaustralia
Contamination | Remediation | Geotechnical
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

Sheet 1 of 2

Site:	Project No:
48 Victoria Rd, Rozelle	E25359

Laboratory: **SGS Australia**
Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	Sample Matrix: SOIL	WATER	0.45 µm field filtered	OTHER	Analysis: HM [A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM [A] /TRH/BTEX/PAHs	HM [A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride			TCLP HM [B] / PAH
BH101M 0.1-0.2		J,ZLB	1/10/2021	AM	X				X																		
BH101M 0.7-0.8		J,ZLB	1/10/2021	AM	X																						
BH101M 1.2-1.3		J,ZLB	1/10/2021	AM	X																						
BH102 0.1-0.2		J,ZLB	1/10/2021	AM	X				X																		
BH102 0.7-0.8		J,ZLB	1/10/2021	AM	X																						
BH102 1.2-1.3		J,ZLB	1/10/2021	AM	X					X																	
BH103 0.1-0.2		J,ZLB	1/10/2021	AM	X				X																		
BH103 0.6-0.7		J,ZLB	1/10/2021	AM	X																						
BH103 1.2-1.3		J,ZLB	1/10/2021	AM	X																						
QD1		J	1/10/2021	AM	X						X																
QT1		J	1/10/2021	AM	X						X																
QR1		S,P,2xVC	1/10/2021	AM		X					X																

Comments

HM [A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM [B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH

LABORATORY TURNAROUND
- ■ Standard
- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours
- ☐ Other____

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass botlle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Report with EI Waste Classification Table ☐

Sampler's Name (EI):		Received by (SGS):
Print	Manish Chandra	Print: George Zhi
Signature		Signature:
Date	1/10/2021	Date: 1/10/21 @ 4:15pm

Sampler's Comments:
please CC
Emmanuel.Woelders@eiaustralia.com.au
please send QT1 to Envirolab

eiaustralia
Contamination | Remediation | Geotechnical

Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

#279660.
CH 05/10/21

Sheet 1 of 1

Site: 48 Victoria Rd, Rozelle

Project No: E25359

Laboratory: Envirolab Services
12 Ashley Street,
CHATSWOOD NSW 2067
P: 02 9910 6200

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	Sample Matrix: SOIL	WATER	0.45 µm field filtered	OTHER	Analysis: HM[A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM[A] /TRH/BTEX/PAHs	HM[A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride			TCLP HM[B] / PAH
GW-QS1		S,P,ZLB	7/10/21	am		X	X				X																

Envirolab Services
12 Ashley St
ENVIROLAB GROUP Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 279990

Date Received: 08/10/21
Time Received: 1345
Received By: CH
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Comments

HM[A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM[B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH

LABORATORY TURNAROUND

- [x] Standard
- [ ] 24 Hours
- [ ] 48 Hours
- [ ] 72 Hours
- [ ] Other_____

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass bottle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Report with EI Waste Classification Table ☐

Sampler's Name (EI):	Received by (Envirolab):
Print: Andrew Schmidt	Print: Christine.
Signature:	Signature:
Date: 8/10/21	Date: 08/10/21 1345

Sampler's Comments:
Please cc:
Emmanuel.Woelders@eiaustralia.com.au

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

eiaustralia
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

Sheet 1 of 1

Site: 48 Victoria Rd, Rozelle

Project No: E25359

Laboratory: SGS Australia
Unit 16, 33 Maddox Street,
ALEXANDRIA NSW 2015
P: 02 8594 0400 F: 02 8594 0499

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	SOIL	WATER	0.45 µm field filtered	OTHER	HM [A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM [A] /TRH/BTEX/PAHs	HM [A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride			TCLP HM [B] / PAH
BHM		S,2xP, 2xVC	7/10/21	am		X	X			X			X														
GW-QD1		S,P,2xVC	↓	↓		X	X				X																
GW-QR1		↓	↓	↓		X					X																
GW-QRD1		↓	↓	↓		X																					
GW-QTB1		VC	Lab Prepared	↓		X						X															
GW-QTS1		↓	↓	↓		X						X															

Comments

HM [A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM [B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH
Total Phenol

LABORATORY TURNAROUND

- ☐ Standard
- ☐ 24 Hours
- ☐ 48 Hours
- ☒ 72 Hours
- ☐ Other____

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass bottle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Report with EI Waste Classification Table ☐

Sampler's Name (EI):	Received by (SGS):
Print: Andrew Schmidt	Print:
Signature:	Signature:
Date: 7/10/21	Date: 2.55

Sampler's Comments:
Please cc: Emmanuel.ubeledes
Please board GW-QT1 to Envirolab #279990
CH 08/10

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

eiaustralia
Contamination | Remediation | Geotechnical
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

Appendix K – Laboratory Analytical Reports

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Emmanuel Woelders
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	emmanuel.woelders@eiaustralia.com.au
Project	**E25359 48 Victoria Rd, Rozelle**
Order Number	**E25359**
Samples	8

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE224219 R0**
Date Received	1/10/2021
Date Reported	11/10/2021

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

No respirable fibres detected in all soil samples using trace analysis technique.

Asbestos analysed by Approved Identifier Ravee Sivasubramaniam.

SIGNATORIES

Bennet LO
Senior Chemist

Dong LIANG
Metals/Inorganics Team Leader

Kamrul AHSAN
Senior Chemist

Ly Kim HA
Organic Section Head

Ravee SIVASUBRAMANIAM
Hygiene Team Leader

Shane MCDERMOTT
Inorganic/Metals Chemist

VOC's in Soil [AN433] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH102 1.2-1.3 SOIL - 1/10/2021 SE224219.003	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004	QD1 SOIL - 1/10/2021 SE224219.005
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TB SOIL - 1/10/2021 SE224219.007	TS SOIL - 1/10/2021 SE224219.008
Benzene	mg/kg	0.1	<0.1	[95%]
Toluene	mg/kg	0.1	<0.1	[96%]
Ethylbenzene	mg/kg	0.1	<0.1	[98%]
m/p-xylene	mg/kg	0.2	<0.2	[98%]
o-xylene	mg/kg	0.1	<0.1	[98%]
Total Xylenes	mg/kg	0.3	<0.3	-
Total BTEX	mg/kg	0.6	<0.6	-
Naphthalene	mg/kg	0.1	<0.1	-

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH102 1.2-1.3 SOIL - 1/10/2021 SE224219.003	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004	QD1 SOIL - 1/10/2021 SE224219.005
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH102 1.2-1.3 SOIL - 1/10/2021 SE224219.003	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004	QD1 SOIL - 1/10/2021 SE224219.005
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	<45	<45	<45	<45	**190**
TRH C29-C36	mg/kg	45	<45	<45	<45	<45	**280**
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	<90	<90	**380**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	**140**
TRH C10-C36 Total	mg/kg	110	<110	<110	<110	<110	**470**
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	**520**

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH102 1.2-1.3 SOIL - 1/10/2021 SE224219.003	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	**0.1**	<0.1	<0.1	**0.2**
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	**0.5**	**0.7**	<0.1	**0.6**
Anthracene	mg/kg	0.1	**0.1**	**0.2**	<0.1	**0.2**
Fluoranthene	mg/kg	0.1	**1.1**	**1.5**	**0.2**	**1.4**
Pyrene	mg/kg	0.1	**1.1**	**1.3**	**0.1**	**1.5**
Benzo(a)anthracene	mg/kg	0.1	**0.6**	**0.7**	<0.1	**0.8**
Chrysene	mg/kg	0.1	**0.7**	**0.8**	<0.1	**0.9**
Benzo(b&j)fluoranthene	mg/kg	0.1	**0.7**	**0.8**	<0.1	**0.9**
Benzo(k)fluoranthene	mg/kg	0.1	**0.4**	**0.4**	<0.1	**0.4**
Benzo(a)pyrene	mg/kg	0.1	**0.7**	**0.7**	<0.1	**0.8**
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	**0.4**	**0.4**	<0.1	**0.5**
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	**0.4**	**0.3**	<0.1	**0.5**
Carcinogenic PAHs, BaP TEQ <LOR=0	TEQ (mg/kg)	0.2	**0.9**	**0.9**	<0.2	**1.1**
Carcinogenic PAHs, BaP TEQ <LOR=LOR	TEQ (mg/kg)	0.3	**1.0**	**1.0**	<0.3	**1.2**
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	TEQ (mg/kg)	0.2	**0.9**	**0.9**	<0.2	**1.2**
Total PAH (18)	mg/kg	0.8	**6.8**	**7.7**	<0.8	**8.8**
Total PAH (NEPM/WHO 16)	mg/kg	0.8	**6.8**	**7.7**	<0.8	**8.8**

OC Pesticides in Soil [AN420] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1
Lindane	mg/kg	0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1
o,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2
o,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1
o,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1
Endrin Ketone	mg/kg	0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1

OP Pesticides in Soil [AN420] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7

PCBs in Soil [AN420] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 8/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH102 1.2-1.3 SOIL - 1/10/2021 SE224219.003	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004	QD1 SOIL - 1/10/2021 SE224219.005
Arsenic, As	mg/kg	1	3	4	2	3	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	7.0	12	5.9	7.1	12
Copper, Cu	mg/kg	0.5	53	27	3.5	43	45
Lead, Pb	mg/kg	1	84	68	5	57	81
Nickel, Ni	mg/kg	0.5	26	7.6	<0.5	18	5.2
Zinc, Zn	mg/kg	2	100	120	2.1	50	100

Mercury in Soil [AN312] Tested: 8/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH102 1.2-1.3 SOIL - 1/10/2021 SE224219.003	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004	QD1 SOIL - 1/10/2021 SE224219.005
Mercury	mg/kg	0.05	**0.22**	**0.25**	<0.05	**0.20**	**0.18**

Moisture Content [AN002] Tested: 6/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH102 1.2-1.3 SOIL - 1/10/2021 SE224219.003	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004	QD1 SOIL - 1/10/2021 SE224219.005
% Moisture	%w/w	1	**5.5**	**6.7**	**5.3**	**6.5**	**6.9**

PARAMETER	UOM	LOR	TB SOIL - 1/10/2021 SE224219.007
% Moisture	%w/w	1	<1.0

Fibre Identification in soil [AN602] Tested: 7/10/2021

PARAMETER	UOM	LOR	BH101M 0.1-0.2 SOIL - 1/10/2021 SE224219.001	BH102 0.1-0.2 SOIL - 1/10/2021 SE224219.002	BH103 0.1-0.2 SOIL - 1/10/2021 SE224219.004
Asbestos Detected	No unit	-	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01

VOCs in Water [AN433] Tested: 5/10/2021

PARAMETER	UOM	LOR	QR1 WATER - 1/10/2021 SE224219.006
Benzene	µg/L	0.5	<0.5
Toluene	µg/L	0.5	<0.5
Ethylbenzene	µg/L	0.5	<0.5
m/p-xylene	µg/L	1	<1
o-xylene	µg/L	0.5	<0.5
Total Xylenes	µg/L	1.5	<1.5
Total BTEX	µg/L	3	<3
Naphthalene	µg/L	0.5	<0.5

Volatile Petroleum Hydrocarbons in Water [AN433] Tested: 5/10/2021

PARAMETER	UOM	LOR	QR1 WATER - 1/10/2021 SE224219.006
TRH C6-C9	µg/L	40	<40
Benzene (F0)	µg/L	0.5	<0.5
TRH C6-C10	µg/L	50	<50
TRH C6-C10 minus BTEX (F1)	µg/L	50	<50

TRH (Total Recoverable Hydrocarbons) in Water [AN403] Tested: 5/10/2021

PARAMETER	UOM	LOR	QR1 WATER - 1/10/2021 SE224219.006
TRH C10-C14	µg/L	50	<50
TRH C15-C28	µg/L	200	<200
TRH C29-C36	µg/L	200	<200
TRH C37-C40	µg/L	200	<200
TRH >C10-C16	µg/L	60	<60
TRH >C10-C16 - Naphthalene (F2)	µg/L	60	<60
TRH >C16-C34 (F3)	µg/L	500	<500
TRH >C34-C40 (F4)	µg/L	500	<500
TRH C10-C40	µg/L	320	<320

Trace Metals (Dissolved) in Water by ICPMS [AN318] Tested: 5/10/2021

PARAMETER	UOM	LOR	QR1 WATER - 1/10/2021 SE224219.006
Arsenic, As	µg/L	1	<1
Cadmium, Cd	µg/L	0.1	<0.1
Chromium, Cr	µg/L	1	<1
Copper, Cu	µg/L	1	<1
Lead, Pb	µg/L	1	<1
Nickel, Ni	µg/L	1	<1
Zinc, Zn	µg/L	5	<5

Mercury (dissolved) in Water [AN311(Perth)/AN312] Tested: 5/10/2021

PARAMETER	UOM	LOR	QR1 WATER - 1/10/2021 SE224219.006
Mercury	mg/L	0.0001	<0.0001

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN020	Unpreserved water sample is filtered through a 0.45µm membrane filter and acidified with nitric acid similar to APHA3030B.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by ASS or ICP as per USEPA Method 200.8.
AN311(Perth)/AN312	Mercury by Cold Vapour AAS in Waters: Mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid , mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser . Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN318	Determination of elements at trace level in waters by ICP-MS technique,, referenced to USEPA 6020B and USEPA 200.8 (5.4).
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents .
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN420	SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols in soils, sediments and waters are determined by GCMS /ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.
AN602	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples, Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."

AN602	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		
***	Indicates that both * and ** apply.				

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

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Project	**E25359 48 Victoria Rd, Rozelle**
Order Number	**E25359**
Samples	3

LABORATORY DETAILS

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SGS Reference	**SE224219 R0**
Date Received	01 Oct 2021
Date Reported	11 Oct 2021

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

No respirable fibres detected in all soil samples using trace analysis technique.

Asbestos analysed by Approved Identifier Ravee Sivasubramaniam .

SIGNATORIES

Bennet LO
Senior Chemist

Kamrul AHSAN
Senior Chemist

Ly Kim HA
Organic Section Head

Ravee SIVASUBRAMANIAM
Hygiene Team Leader

RESULTS

Fibre Identification in soil — Method AN602

Laboratory Reference	Client Reference	Matrix	Sample Description	Date Sampled	Fibre Identification	Est.%w/w*
SE224219.001	BH101M 0.1-0.2	Soil	241g Clay,Sand,Bitumen	01 Oct 2021	No Asbestos Found at RL of 0.1g/kg	<0.01
SE224219.002	BH102 0.1-0.2	Soil	158g Clay,Sand,Bitumen	01 Oct 2021	No Asbestos Found at RL of 0.1g/kg	<0.01
SE224219.004	BH103 0.1-0.2	Soil	212g Clay,Sand,Bitumen	01 Oct 2021	No Asbestos Found at RL of 0.1g/kg	<0.01

METHOD SUMMARY

METHOD	METHODOLOGY SUMMARY
AN602	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples , Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."
AN602	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable ’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

Amosite	-	Brown Asbestos	NA	-	Not Analysed
Chrysotile	-	White Asbestos	LNR	-	Listed, Not Required
Crocidolite	-	Blue Asbestos	*	-	NATA accreditation does not cover the performance of this service .
Amphiboles	-	Amosite and/or Crocidolite	**	-	Indicative data, theoretical holding time exceeded.
			***	-	Indicates that both * and ** apply.

(In reference to soil samples only) This report does not comply with the analytical reporting recommendations in the Western Australian Department of Health Guidelines for the Assessment and Remediation and Management of Asbestos Contaminated sites in Western Australia - May 2009.

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.

Where reported: 'Asbestos Detected': Asbestos detected by polarised light microscopy, including dispersion staining.
Where reported: 'No Asbestos Found': No Asbestos Found by polarised light microscopy , including dispersion staining.
Where reported: 'UMF Detected': Mineral fibres of unknown type detected by polarised light microscopy, including dispersion staining. Confirmation by another independent analytical technique may be necessary.

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos -containing bulk materials using polarised light microscopy. This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety .

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CERTIFICATE OF ANALYSIS 279660

Client Details

Client	EI Australia
Attention	Lab Email
Address	Suite 6.01, 55 Miller Street, Pyrmont, NSW, 2009

Sample Details

Your Reference	**E25359, Rozelle**
Number of Samples	1 soil
Date samples received	05/10/2021
Date completed instructions received	05/10/2021

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

Date results requested by	12/10/2021
Date of Issue	08/10/2021

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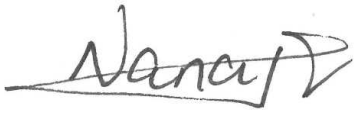
Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
Dragana Tomas, Senior Chemist

Authorised By



Nancy Zhang, Laboratory Manager

BTEX in Soil		
Our Reference		279660-1
Your Reference	UNITS	QT1
Date Sampled		01/10/2021
Type of sample		soil
Date extracted	-	06/10/2021
Date analysed	-	08/10/2021
Benzene	mg/kg	<0.2
Toluene	mg/kg	<0.5
Ethylbenzene	mg/kg	<1
m+p-xylene	mg/kg	<2
o-Xylene	mg/kg	<1
Surrogate aaa-Trifluorotoluene	%	122

Moisture		
Our Reference		279660-1
Your Reference	UNITS	QT1
Date Sampled		01/10/2021
Type of sample		soil
Date prepared	-	06/10/2021
Date analysed	-	07/10/2021
Moisture	%	7.0

Method ID	Methodology Summary
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: BTEX in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	[NT]
Date extracted	-			06/10/2021	[NT]	[NT]	[NT]	[NT]	06/10/2021	[NT]
Date analysed	-			08/10/2021	[NT]	[NT]	[NT]	[NT]	08/10/2021	[NT]
Benzene	mg/kg	0.2	Org-023	<0.2	[NT]	[NT]	[NT]	[NT]	115	[NT]
Toluene	mg/kg	0.5	Org-023	<0.5	[NT]	[NT]	[NT]	[NT]	111	[NT]
Ethylbenzene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	88	[NT]
m+p-xylene	mg/kg	2	Org-023	<2	[NT]	[NT]	[NT]	[NT]	88	[NT]
o-Xylene	mg/kg	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	88	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	110	[NT]	[NT]	[NT]	[NT]	112	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Andrew Schmidt
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	andrew.schmidt@eiaustralia.com.au
Project	**E25359 48 Victoria Rd, Rozelle**
Order Number	**E25359**
Samples	5

LABORATORY DETAILS

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Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE224359 R0**
Date Received	7/10/2021
Date Reported	12/10/2021

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

SIGNATORIES

Dong LIANG
Metals/Inorganics Team Leader

Kamrul AHSAN
Senior Chemist

Ly Kim HA
Organic Section Head

Teresa NGUYEN
Organic Chemist

VOCs in Water [AN433] Tested: 8/10/2021

PARAMETER	UOM	LOR	BH1M WATER - 7/10/2021 SE224359.001	GW-QD1 WATER - 7/10/2021 SE224359.002	GW-QR1 WATER - 7/10/2021 SE224359.003	GW-QTB1 WATER - 7/10/2021 SE224359.004	GW-QTS1 WATER - 7/10/2021 SE224359.005
Benzene	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	[102%]
Toluene	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	[99%]
Ethylbenzene	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	[100%]
m/p-xylene	µg/L	1	<1	<1	<1	<1	[100%]
o-xylene	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	[100%]
Total Xylenes	µg/L	1.5	<1.5	<1.5	<1.5	<1.5	-
Total BTEX	µg/L	3	<3	<3	<3	<3	-
Naphthalene	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	[100%]
Dichlorodifluoromethane (CFC-12)	µg/L	5	<5	-	-	-	-
Chloromethane	µg/L	5	<5	-	-	-	-
Vinyl chloride (Chloroethene)	µg/L	0.3	<0.3	-	-	-	-
Bromomethane	µg/L	10	<10	-	-	-	-
Chloroethane	µg/L	5	<5	-	-	-	-
Trichlorofluoromethane	µg/L	1	<1	-	-	-	-
Acetone (2-propanone)	µg/L	10	<10	-	-	-	-
Iodomethane	µg/L	5	<5	-	-	-	-
1,1-dichloroethene	µg/L	0.5	<0.5	-	-	-	-
Acrylonitrile	µg/L	0.5	<0.5	-	-	-	-
Dichloromethane (Methylene chloride)	µg/L	5	<5	-	-	-	-
Allyl chloride	µg/L	2	<2	-	-	-	-
Carbon disulfide	µg/L	2	<2	-	-	-	-
trans-1,2-dichloroethene	µg/L	0.5	<0.5	-	-	-	-
MtBE (Methyl-tert-butyl ether)	µg/L	2	<2	-	-	-	-
1,1-dichloroethane	µg/L	0.5	<0.5	-	-	-	-
Vinyl acetate	µg/L	10	<10	-	-	-	-
MEK (2-butanone)	µg/L	10	<10	-	-	-	-
cis-1,2-dichloroethene	µg/L	0.5	<0.5	-	-	-	-
Bromochloromethane	µg/L	0.5	<0.5	-	-	-	-
Chloroform (THM)	µg/L	0.5	<0.5	-	-	-	-
2,2-dichloropropane	µg/L	0.5	<0.5	-	-	-	-
1,2-dichloroethane	µg/L	0.5	<0.5	-	-	-	-
1,1,1-trichloroethane	µg/L	0.5	<0.5	-	-	-	-
1,1-dichloropropene	µg/L	0.5	<0.5	-	-	-	-
Carbon tetrachloride	µg/L	0.5	<0.5	-	-	-	-
Dibromomethane	µg/L	0.5	<0.5	-	-	-	-
1,2-dichloropropane	µg/L	0.5	<0.5	-	-	-	-
Trichloroethene (Trichloroethylene,TCE)	µg/L	0.5	<0.5	-	-	-	-
2-nitropropane	µg/L	100	<100	-	-	-	-
Bromodichloromethane (THM)	µg/L	0.5	<0.5	-	-	-	-
MIBK (4-methyl-2-pentanone)	µg/L	5	<5	-	-	-	-
cis-1,3-dichloropropene	µg/L	0.5	<0.5	-	-	-	-
trans-1,3-dichloropropene	µg/L	0.5	<0.5	-	-	-	-
1,1,2-trichloroethane	µg/L	0.5	<0.5	-	-	-	-
1,3-dichloropropane	µg/L	0.5	<0.5	-	-	-	-
Dibromochloromethane (THM)	µg/L	0.5	<0.5	-	-	-	-
2-hexanone (MBK)	µg/L	5	<5	-	-	-	-
1,2-dibromoethane (EDB)	µg/L	0.5	<0.5	-	-	-	-
Tetrachloroethene (Perchloroethylene,PCE)	µg/L	0.5	<0.5	-	-	-	-
1,1,1,2-tetrachloroethane	µg/L	0.5	<0.5	-	-	-	-
Chlorobenzene	µg/L	0.5	<0.5	-	-	-	-
Bromoform (THM)	µg/L	0.5	<0.5	-	-	-	-
cis-1,4-dichloro-2-butene	µg/L	1	<1	-	-	-	-
Styrene (Vinyl benzene)	µg/L	0.5	<0.5	-	-	-	-
1,1,2,2-tetrachloroethane	µg/L	0.5	<0.5	-	-	-	-
1,2,3-trichloropropane	µg/L	0.5	<0.5	-	-	-	-
trans-1,4-dichloro-2-butene	µg/L	1	<1	-	-	-	-

VOCs in Water [AN433] Tested: 8/10/2021 (continued)

PARAMETER	UOM	LOR	BH1M WATER - 7/10/2021 SE224359.001	GW-QD1 WATER - 7/10/2021 SE224359.002	GW-QR1 WATER - 7/10/2021 SE224359.003	GW-QTB1 WATER - 7/10/2021 SE224359.004	GW-QTS1 WATER - 7/10/2021 SE224359.005
Isopropylbenzene (Cumene)	µg/L	0.5	<0.5	-	-	-	-
Bromobenzene	µg/L	0.5	<0.5	-	-	-	-
n-propylbenzene	µg/L	0.5	<0.5	-	-	-	-
2-chlorotoluene	µg/L	0.5	<0.5	-	-	-	-
4-chlorotoluene	µg/L	0.5	<0.5	-	-	-	-
1,3,5-trimethylbenzene	µg/L	0.5	<0.5	-	-	-	-
tert-butylbenzene	µg/L	0.5	<0.5	-	-	-	-
1,2,4-trimethylbenzene	µg/L	0.5	<0.5	-	-	-	-
sec-butylbenzene	µg/L	0.5	<0.5	-	-	-	-
1,3-dichlorobenzene	µg/L	0.5	**1.8**	-	-	-	-
1,4-dichlorobenzene	µg/L	0.3	<0.3	-	-	-	-
p-isopropyltoluene	µg/L	0.5	<0.5	-	-	-	-
1,2-dichlorobenzene	µg/L	0.5	<0.5	-	-	-	-
n-butylbenzene	µg/L	0.5	<0.5	-	-	-	-
1,2-dibromo-3-chloropropane	µg/L	0.5	<0.5	-	-	-	-
1,2,4-trichlorobenzene	µg/L	0.5	**5.3**	-	-	-	-
Hexachlorobutadiene	µg/L	0.5	<0.5	-	-	-	-
1,2,3-trichlorobenzene	µg/L	0.5	**1.1**	-	-	-	-
Total VOC	µg/L	10	<10	-	-	-	-

Volatile Petroleum Hydrocarbons in Water [AN433] Tested: 8/10/2021

PARAMETER	UOM	LOR	BH1M WATER - 7/10/2021 SE224359.001	GW-QD1 WATER - 7/10/2021 SE224359.002	GW-QR1 WATER - 7/10/2021 SE224359.003
TRH C6-C9	µg/L	40	<40	<40	<40
Benzene (F0)	µg/L	0.5	<0.5	<0.5	<0.5
TRH C6-C10	µg/L	50	<50	<50	<50
TRH C6-C10 minus BTEX (F1)	µg/L	50	<50	<50	<50

TRH (Total Recoverable Hydrocarbons) in Water [AN403] Tested: 11/10/2021

PARAMETER	UOM	LOR	BH1M WATER - 7/10/2021 SE224359.001	GW-QD1 WATER - 7/10/2021 SE224359.002	GW-QR1 WATER - 7/10/2021 SE224359.003
TRH C10-C14	µg/L	50	<50	<50	<50
TRH C15-C28	µg/L	200	<200	<200	<200
TRH C29-C36	µg/L	200	<200	<200	<200
TRH C37-C40	µg/L	200	<200	<200	<200
TRH >C10-C16	µg/L	60	<60	<60	<60
TRH >C10-C16 - Naphthalene (F2)	µg/L	60	<60	<60	<60
TRH >C16-C34 (F3)	µg/L	500	<500	<500	<500
TRH >C34-C40 (F4)	µg/L	500	<500	<500	<500
TRH C10-C40	µg/L	320	<320	<320	<320

PAH (Polynuclear Aromatic Hydrocarbons) in Water [AN420] Tested: 11/10/2021

PARAMETER	UOM	LOR	BH1M WATER - 7/10/2021 SE224359.001
Naphthalene	µg/L	0.1	<0.1
2-methylnaphthalene	µg/L	0.1	<0.1
1-methylnaphthalene	µg/L	0.1	<0.1
Acenaphthylene	µg/L	0.1	<0.1
Acenaphthene	µg/L	0.1	<0.1
Fluorene	µg/L	0.1	<0.1
Phenanthrene	µg/L	0.1	<0.1
Anthracene	µg/L	0.1	<0.1
Fluoranthene	µg/L	0.1	<0.1
Pyrene	µg/L	0.1	<0.1
Benzo(a)anthracene	µg/L	0.1	<0.1
Chrysene	µg/L	0.1	<0.1
Benzo(b&j)fluoranthene	µg/L	0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1	<0.1
Benzo(a)pyrene	µg/L	0.1	<0.1
Indeno(1,2,3-cd)pyrene	µg/L	0.1	<0.1
Dibenzo(ah)anthracene	µg/L	0.1	<0.1
Benzo(ghi)perylene	µg/L	0.1	<0.1
Total PAH (18)	µg/L	1	<1

Trace Metals (Dissolved) in Water by ICPMS [AN318] Tested: 7/10/2021

PARAMETER	UOM	LOR	BH1M WATER - 7/10/2021 SE224359.001	GW-QD1 WATER - 7/10/2021 SE224359.002	GW-QR1 WATER - 7/10/2021 SE224359.003
Arsenic, As	µg/L	1	<1	<1	<1
Cadmium, Cd	µg/L	0.1	**0.4**	**0.4**	<0.1
Chromium, Cr	µg/L	1	**1**	**1**	<1
Copper, Cu	µg/L	1	**2**	**2**	<1
Lead, Pb	µg/L	1	<1	**1**	<1
Nickel, Ni	µg/L	1	**10**	**10**	<1
Zinc, Zn	µg/L	5	**77**	**78**	<5

Mercury (dissolved) in Water [AN311(Perth)/AN312] Tested: 8/10/2021

PARAMETER	UOM	LOR	BH1M WATER - 7/10/2021 SE224359.001	GW-QD1 WATER - 7/10/2021 SE224359.002	GW-QR1 WATER - 7/10/2021 SE224359.003
Mercury	mg/L	0.0001	<0.0001	<0.0001	<0.0001

METHOD	METHODOLOGY SUMMARY
AN020	Unpreserved water sample is filtered through a 0.45µm membrane filter and acidified with nitric acid similar to APHA3030B.
AN311(Perth)/AN312	Mercury by Cold Vapour AAS in Waters: Mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500.
AN318	Determination of elements at trace level in waters by ICP-MS technique,, referenced to USEPA 6020B and USEPA 200.8 (5.4).
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). Where F2 is corrected for Naphthalene, the VOC data for Naphthalene is used.
AN403	Additionally, the volatile C6-C9/C6-C10 fractions may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoveerable Hydrocarbons - Silica (TRH-Silica) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents.
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
**	Indicative data, theoretical holding time exceeded.	NVL	Not validated.	LOR	Limit of Reporting.
***	Indicates that both * and ** apply.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

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CERTIFICATE OF ANALYSIS 279990

Client Details

Client	EI Australia
Attention	Lab Email
Address	Suite 6.01, 55 Miller Street, Pyrmont, NSW, 2009

Sample Details

Your Reference	**E25359, Rozelle**
Number of Samples	1 Water
Date samples received	08/10/2021
Date completed instructions received	08/10/2021

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

Date results requested by	15/10/2021
Date of Issue	14/10/2021

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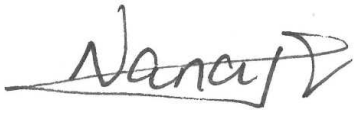
Results Approved By
Dragana Tomas, Senior Chemist
Hannah Nguyen, Metals Supervisor

Authorised By



Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Water		
Our Reference		279990-1
Your Reference	UNITS	GW-QT1
Date Sampled		07/10/2021
Type of sample		Water
Date extracted	-	11/10/2021
Date analysed	-	12/10/2021
TRH C_6 - C_9	µg/L	<10
TRH C_6 - C_{10}	µg/L	<10
TRH C_6 - C_{10} less BTEX (F1)	µg/L	<10
Benzene	µg/L	<1
Toluene	µg/L	<1
Ethylbenzene	µg/L	<1
m+p-xylene	µg/L	<2
o-xylene	µg/L	<1
Naphthalene	µg/L	<1
Surrogate Dibromofluoromethane	%	104
Surrogate toluene-d8	%	99
Surrogate 4-BFB	%	108

svTRH (C10-C40) in Water		
Our Reference		279990-1
Your Reference	UNITS	GW-QT1
Date Sampled		07/10/2021
Type of sample		Water
Date extracted	-	13/10/2021
Date analysed	-	14/10/2021
TRH C_{10} - C_{14}	µg/L	<50
TRH C_{15} - C_{28}	µg/L	<100
TRH C_{29} - C_{36}	µg/L	<100
Total +ve TRH (C10-C36)	µg/L	<50
TRH >C_{10} - C_{16}	µg/L	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	<50
TRH >C_{16} - C_{34}	µg/L	<100
TRH >C_{34} - C_{40}	µg/L	<100
Total +ve TRH (>C10-C40)	µg/L	<50
Surrogate o-Terphenyl	%	83

HM in water - dissolved		
Our Reference		279990-1
Your Reference	UNITS	GW-QT1
Date Sampled		07/10/2021
Type of sample		Water
Date prepared	-	12/10/2021
Date analysed	-	12/10/2021
Arsenic-Dissolved	µg/L	<1
Cadmium-Dissolved	µg/L	0.3
Chromium-Dissolved	µg/L	<1
Copper-Dissolved	µg/L	3
Lead-Dissolved	µg/L	<1
Mercury-Dissolved	µg/L	<0.05
Nickel-Dissolved	µg/L	9
Zinc-Dissolved	µg/L	64

Method ID	Methodology Summary
Metals-021	Determination of Mercury by Cold Vapour AAS.
Metals-022	Determination of various metals by ICP-MS.
Org-020	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-023	Water samples are analysed directly by purge and trap GC-MS.
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
Date extracted	-			11/10/2021	[NT]	[NT]	[NT]	[NT]	11/10/2021	[NT]
Date analysed	-			12/10/2021	[NT]	[NT]	[NT]	[NT]	12/10/2021	[NT]
TRH C_6 - C_9	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	123	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-023	<10	[NT]	[NT]	[NT]	[NT]	123	[NT]
Benzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	122	[NT]
Toluene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	125	[NT]
Ethylbenzene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	121	[NT]
m+p-xylene	µg/L	2	Org-023	<2	[NT]	[NT]	[NT]	[NT]	124	[NT]
o-xylene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	121	[NT]
Naphthalene	µg/L	1	Org-023	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-023	104	[NT]	[NT]	[NT]	[NT]	101	[NT]
Surrogate toluene-d8	%		Org-023	99	[NT]	[NT]	[NT]	[NT]	101	[NT]
Surrogate 4-BFB	%		Org-023	106	[NT]	[NT]	[NT]	[NT]	102	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			13/10/2021	[NT]	[NT]	[NT]	[NT]	13/10/2021	[NT]
Date analysed	-			14/10/2021	[NT]	[NT]	[NT]	[NT]	14/10/2021	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	85	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	85	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	78	[NT]
TRH >C_{10} - C_{16}	µg/L	50	Org-020	<50	[NT]	[NT]	[NT]	[NT]	85	[NT]
TRH >C_{16} - C_{34}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	85	[NT]
TRH >C_{34} - C_{40}	µg/L	100	Org-020	<100	[NT]	[NT]	[NT]	[NT]	78	[NT]
Surrogate o-Terphenyl	%		Org-020	95	[NT]	[NT]	[NT]	[NT]	70	[NT]

QUALITY CONTROL: HM in water - dissolved						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W3	[NT]
Date prepared	-			12/10/2021	[NT]	[NT]	[NT]	[NT]	12/10/2021	[NT]
Date analysed	-			12/10/2021	[NT]	[NT]	[NT]	[NT]	12/10/2021	[NT]
Arsenic-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Cadmium-Dissolved	µg/L	0.1	Metals-022	<0.1	[NT]	[NT]	[NT]	[NT]	88	[NT]
Chromium-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	93	[NT]
Copper-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]
Lead-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Mercury-Dissolved	µg/L	0.05	Metals-021	<0.05	[NT]	[NT]	[NT]	[NT]	109	[NT]
Nickel-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	94	[NT]
Zinc-Dissolved	µg/L	1	Metals-022	<1	[NT]	[NT]	[NT]	[NT]	93	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Appendix L – QA/QC Assessment

L.1 Site location

L.1.1 Introduction

For the purpose of assessing the quality of data presented in this Contaminant Delineation Report, EI collected field QC samples for analysis. The primary laboratory, SGS Australia Pty Ltd (SGS) and secondary laboratory, Envirolab Services Pty Ltd (Envirolab) also prepared and analysed internal QC samples. Details of the field and laboratory QC samples, with the allowable data acceptance ranges are presented in **Table K-1**.

Table K.1 Sampling Data Quality Indicators

QA/QC Measures	Data Quality Indicators
Precision – A quantitative measure of the variability (or reproducibility) of data	Data precision would be assessed by reviewing the performance of blind field duplicate sample sets, through calculation of relative percentage differences (RPD). Data precision would be deemed acceptable if RPDs are found to be less than 30%. RPDs that exceed this range may be considered acceptable where: ▪ Results are less than 10 times the limits of reporting (LOR); ▪ Results are less than 20 times the LOR and the RPD is less than 50%; or ▪ Heterogeneous materials or volatile compounds are encountered.
Accuracy – A quantitative measure of the closeness of reported data to the "true" value	Data accuracy would be assessed through the analysis of: ▪ Method blanks, which are analysed for the analytes targeted in the primary samples; ▪ Matrix spike and matrix spike duplicate sample sets; ▪ Laboratory control samples; and ▪ Calibration of instruments against known standards.
Representativeness – The confidence (expressed qualitatively) that data are representative of each medium present onsite	To ensure the data produced by the laboratory is representative of conditions encountered in the field, the laboratory would carry out the following: ▪ Blank samples will be run in parallel with field samples to confirm there are no unacceptable instances of laboratory artefacts; ▪ Review of relative percentage differences (RPD) values for field and laboratory duplicates to provide an indication that the samples are generally homogeneous, with no unacceptable instances of significant sample matrix heterogeneities; and ▪ The appropriateness of collection methodologies, handling, storage and preservation techniques will be assessed to ensure/confirm there was minimal opportunity for sample interference or degradation (i.e. volatile loss during transport due to incorrect preservation / transport methods).
Completeness – A measure of the amount of useable data from a data collection activity	Analytical data sets acquired during the assessment will be evaluated as complete, upon confirmation that: ▪ Standard operating procedures (SOPs) for sampling protocols were adhered to; and ▪ Copies of all COC documentation are presented, reviewed and found to be properly completed. It can therefore be considered whether the proportion of "useable data" generated in the data collection activities is sufficient for the purposes of the land use assessment.
Comparability – The confidence (expressed qualitatively) that data may be considered to be equivalent for	Given that a reported data set can comprise several data sets from separate sampling episodes, issues of comparability between data sets are reduced through adherence to SOPs and regulator-endorsed or published guidelines and standards on each data gathering activity.

QA/QC Measures	Data Quality Indicators
each sampling and analytical event	In addition the data will be collected by experienced samplers and NATA-accredited laboratory methodologies will be employed in all laboratory testing programs.

L.1.2 Calculation of Relative Percentage Difference (RPD)

The RPD values were calculated using the following equation:

$$RPD = \frac{|C_O - C_R|}{[(C_O + C_R)/2]} \times 100$$

Where:

C_O = Concentration obtained for the primary sample; and

C_R = Concentration obtained for the blind replicate or split duplicate sample.

L.2 Field QA/QC Data Evaluation

The field quality assurance/quality control (QA/QC) soil and groundwater samples collected during the investigations were as follows:

- Blind field duplicates;
- Inter-laboratory duplicates;
- Trip blanks;
- Trip spikes; and
- Rinsate blanks.

Analytical results for tested soil and groundwater QA/QC samples, including calculated RPD values between primary and duplicate samples, are presented in **Table K-2**.

L.2.1 Soil Investigation

L.2.1.1 Blind Field Duplicates

One blind field duplicate (BFD) soil sample was collected in total, as follows:

- Sample QD1 was collected from the primary sample BH102_0.1-0.2 on 01/10/2021.

The preparation of the BFD samples involved the collection of a bulk quantity of soil from the same sampling point without mixing, before dividing the material into identical sampling vessels. The duplicate samples were then presented blind to the primary laboratory (SGS) to avoid any potential analytical bias. BFD soil samples were analysed for TRHs, BTEX and selected heavy metals and calculated RPD values were found to be within the Data Acceptance Criteria (**Appendix K**, **Table QC5**), with exception of Chromium and Nickel due to low concentration detected and fill material samples heterogeneity.

L.2.1.2 Inter-Laboratory Duplicate

Sample QT1 was collected as inter-laboratory duplicate (ILD) of the primary sample BH102_0.1-0.2 on 01/10/2021. The preparation of the ILD sample was identical to the BFD

sample, as described above, and was analysed for BTEX. The calculated RPD values were found to be within the Data Acceptance Criteria.

L.2.1.3 Trip Blank

One trip blank (TB) sample QTB1 was prepared and analysed by the primary laboratory for BTEX. Analytical results for this sample were below the laboratory LOR, indicating that ideal sample transport and handling conditions were achieved.

L.2.1.4 Trip Spike

One trip spike (TS) sample QTS1 was submitted to the primary laboratory for BTEX analysis, the results for which were reported within the RPD acceptance levels for trip spike recovery. It was therefore concluded that satisfactory sample transport and handling conditions were achieved.

L.2.1.5 Rinsate Blank

One rinsate blank (RB) sample QR1 was submitted to the primary laboratory for TRHs, BTEX and selected heavy metals analysis, the results for which were reported below laboratory LOR.

L.2.2 Groundwater Investigation

L.2.2.1 Blind Field Duplicates

One groundwater BFD sample was collected in total, as follows:

- Sample GW-QD1 was collected from the primary sample BH101M on 07/10/2021.

The preparation of BFD samples involved the decanting of the groundwater collected from the respective monitoring well into two separate groups of appropriately labelled sampling containers. Volumes were split equally between the groups of sampling bottles such that the sample contained in each individual bottle, contained a similar proportion of each water volume. Sample mixing did not occur prior to decanting, in order to preserve the concentrations of volatiles potentially present within the sample. The duplicate sample was then presented blind to the primary laboratory (SGS) to avoid any potential analytical bias. The BFDs were analysed for TRHs, BTEX and selected heavy metals. The RPD values calculated for all the analytes tested were found to be within the Data Acceptance Criteria (DAC).

L.2.2.2 Inter-Laboratory Duplicate

One ILD sample was collected as follows:

- Sample GW-QT1 was collected from the primary sample BH101M on 07/10/2021.

The preparation of a groundwater ILD sample was identical to the BFD sample as described above and also analysed for TRHs, BTEX, selected heavy metals. The RPD values calculated for the ILD samples were found to be within the Data Acceptance Criteria.

L.2.2.3 Trip Blanks

One trip blank (GWQTB1) sample, prepared by the primary laboratory, were analysed for BTEX by the primary laboratory during groundwater testing. TB results were reported below the laboratory LOR, indicating that ideal sample transport and handling conditions were achieved.

L.2.2.4 Trip Spikes

One trip spike (GWQTS1) sample was submitted to the primary laboratory for BTEX analysis, the results for which were all reported within the RPD acceptance levels for trip spike recovery. It was therefore concluded that satisfactory sample transport and handling conditions were achieved.

L.2.2.5 Rinsate Blanks

One RB samples (GWQR1) was submitted to the primary laboratory for TRHs, BTEX, selected heavy metals and VOCs analyses. Analytical results were reported below the laboratory LOR.

L.2.3 Assessment of Field QA/QC Data

All samples were classified in the field with respect to any observable signs of contamination based on visual and odour assessment and observable characteristics, in regards to soil and groundwater. Furthermore, samples were placed immediately into laboratory supplied containers to reduce the loss of volatiles. Results of sampling indicated that the samples collected were representative of the conditions present at the time of sampling. EI conclude that the samples collected are representative of the soils present at the respective sampling locations.

All samples, including field QC samples, were transported to the primary and secondary laboratories under strict Chain-of-Custody conditions and appropriate copies of relevant documentation were included in the respective reports.

The overall completeness of documentation produced under the field program of the subject assessment was considered to be adequate for the purposes of drawing valid conclusions regarding the environmental condition of the site.

Based on the results of the field QA/QC data EI considered the field QA/QC programme carried out during the data gap closure investigations to be appropriate and the results to be acceptable.

L.3 LABORATORY QA/QC

L.3.1 Laboratory Accreditation

To undertake all analytical testing, EI commissioned SGS as the primary laboratory and Envirolab as the secondary laboratory. SGS and Envirolab, both established analytical laboratories which operate in accordance with the guidelines set out in ISO/IEC Guide 25 “General requirements for the competence of calibration and testing laboratories”, conducted all respective analyses using National Association Testing Authorities (NATA)-registered procedures.

In relation to contingencies, should the pre-determined DQOs not be achieved, in accordance with each laboratory’s QC policy (**Appendix M**), respective tests would be accordingly repeated. Should the results again fall outside the DQOs, then sample heterogeneity may be assumed and written comment will be provided to this effect on the final laboratory certificate. The laboratory QA/QC reports are included in **Appendix M**.

L.3.2 Sample Holding Times

Sample holding times were within the laboratory DQOs, which were consistent with standard environmental protocols as tabulated in **Appendix L**, **Tables QC1** and **QC2**.

L.3.3 Test Methods and Practical Quantitation Limits (PQLs)

Practical Quantitation Limits for all tested parameters during the assessment of soils and groundwater are presented in **Appendix L**, **Tables QC3** and **QC4**.

L.3.4 Method Blanks

Concentrations of all parameters in method blanks during the assessment were below the laboratory PQLs and were therefore within the DAC.

L.3.5 Laboratory Duplicate Samples

The Laboratory Control Samples (LCS) for the analysis batches showed calculated RPDs that were within acceptable ranges and conformed to the DAC, with the exception of two surrogates in water sample due to sample heterogeneity (from another batch of samples).

L.3.6 Laboratory Control Samples

The Laboratory Control Samples for the analysis batches were within acceptable ranges and conformed to the DAC.

L.3.7 Matrix Spikes

All matrix spikes for the respective sample batches were within acceptable ranges and conformed to the DAC.

L.3.8 Surrogate

Recovery results for all surrogate samples conformed to the DAC.

L.3.9 Concluding Remark

Based on the laboratory QA/QC results EI considers that although a small number of discrepancies were identified, which in most cases could be attributed to the non-homogenous nature of the submitted samples, the data generally confirms that the analytical results for the various phases of laboratory testing were valid and useable for interpretation purposes.

Appendix M – Laboratory QA/QC Policies and DQOs

STATEMENT OF QA/QC PERFORMANCE

SE224219 R0

CLIENT DETAILS

Contact	Emmanuel Woelders
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	emmanuel.woelders@eiaustralia.com.au
Project	**E25359 48 Victoria Rd, Rozelle**
Order Number	**E25359**
Samples	8

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE224219 R0**
Date Received	01 Oct 2021
Date Reported	11 Oct 2021

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met (within the SGS Alexandria Environmental laboratory).

SAMPLE SUMMARY

Samples clearly labelled	Yes	Complete documentation received	Yes
Sample container provider	SGS	Sample cooling method	Ice Bricks
Samples received in correct containers	Yes	Sample counts by matrix	7 Soil, 1 Water
Date documentation received	1/10/2021	Type of documentation received	COC
Samples received in good order	Yes	Samples received without headspace	Yes
Sample temperature upon receipt	18°C	Sufficient sample for analysis	Yes
Turnaround time requested	Standard		

HOLDING TIME SUMMARY

SE224219 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Fibre Identification in soil

Method: ME-(AU)-[ENV]AN602

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234195	01 Oct 2021	01 Oct 2021	01 Oct 2022	07 Oct 2021	01 Oct 2022	11 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234195	01 Oct 2021	01 Oct 2021	01 Oct 2022	07 Oct 2021	01 Oct 2022	11 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234195	01 Oct 2021	01 Oct 2021	01 Oct 2022	07 Oct 2021	01 Oct 2022	11 Oct 2021

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR1	SE224219.006	LB234021	01 Oct 2021	01 Oct 2021	29 Oct 2021	05 Oct 2021	29 Oct 2021	05 Oct 2021

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234331	01 Oct 2021	01 Oct 2021	29 Oct 2021	08 Oct 2021	29 Oct 2021	11 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234331	01 Oct 2021	01 Oct 2021	29 Oct 2021	08 Oct 2021	29 Oct 2021	11 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234331	01 Oct 2021	01 Oct 2021	29 Oct 2021	08 Oct 2021	29 Oct 2021	11 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234331	01 Oct 2021	01 Oct 2021	29 Oct 2021	08 Oct 2021	29 Oct 2021	11 Oct 2021
QD1	SE224219.005	LB234331	01 Oct 2021	01 Oct 2021	29 Oct 2021	08 Oct 2021	29 Oct 2021	11 Oct 2021

Moisture Content

Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234156	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	11 Oct 2021	08 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234156	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	11 Oct 2021	08 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234156	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	11 Oct 2021	08 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234156	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	11 Oct 2021	08 Oct 2021
QD1	SE224219.005	LB234156	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	11 Oct 2021	08 Oct 2021
TB	SE224219.007	LB234156	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	11 Oct 2021	08 Oct 2021

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
QD1	SE224219.005	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
QD1	SE224219.005	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
QD1	SE224219.005	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021
QD1	SE224219.005	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	08 Oct 2021

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234318	01 Oct 2021	01 Oct 2021	30 Mar 2022	08 Oct 2021	30 Mar 2022	11 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234318	01 Oct 2021	01 Oct 2021	30 Mar 2022	08 Oct 2021	30 Mar 2022	11 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234318	01 Oct 2021	01 Oct 2021	30 Mar 2022	08 Oct 2021	30 Mar 2022	11 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234318	01 Oct 2021	01 Oct 2021	30 Mar 2022	08 Oct 2021	30 Mar 2022	11 Oct 2021

HOLDING TIME SUMMARY

SE224219 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QD1	SE224219.005	LB234318	01 Oct 2021	01 Oct 2021	30 Mar 2022	08 Oct 2021	30 Mar 2022	11 Oct 2021

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR1	SE224219.006	LB234035	01 Oct 2021	01 Oct 2021	30 Mar 2022	05 Oct 2021	30 Mar 2022	05 Oct 2021

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	11 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	11 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	11 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	11 Oct 2021
QD1	SE224219.005	LB234137	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Nov 2021	11 Oct 2021

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR1	SE224219.006	LB234012	01 Oct 2021	01 Oct 2021	08 Oct 2021	05 Oct 2021	14 Nov 2021	08 Oct 2021

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
QD1	SE224219.005	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
TB	SE224219.007	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
TS	SE224219.008	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR1	SE224219.006	LB234074	01 Oct 2021	01 Oct 2021	15 Oct 2021	05 Oct 2021	15 Oct 2021	06 Oct 2021

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH101M 0.1-0.2	SE224219.001	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
BH102 0.1-0.2	SE224219.002	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
BH102 1.2-1.3	SE224219.003	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
BH103 0.1-0.2	SE224219.004	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
QD1	SE224219.005	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
TB	SE224219.007	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021
TS	SE224219.008	LB234147	01 Oct 2021	01 Oct 2021	15 Oct 2021	06 Oct 2021	15 Oct 2021	08 Oct 2021

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR1	SE224219.006	LB234074	01 Oct 2021	01 Oct 2021	15 Oct 2021	05 Oct 2021	15 Oct 2021	06 Oct 2021

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	111
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	109
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	110

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	86
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	88
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	89
d14-p-terphenyl (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	95
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	99
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	99

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	70 - 130%	86
	BH102 0.1-0.2	SE224219.002	%	70 - 130%	88
	BH102 1.2-1.3	SE224219.003	%	70 - 130%	87
	BH103 0.1-0.2	SE224219.004	%	70 - 130%	89
d14-p-terphenyl (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	70 - 130%	95
	BH102 0.1-0.2	SE224219.002	%	70 - 130%	99
	BH102 1.2-1.3	SE224219.003	%	70 - 130%	100
	BH103 0.1-0.2	SE224219.004	%	70 - 130%	99
d5-nitrobenzene (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	70 - 130%	84
	BH102 0.1-0.2	SE224219.002	%	70 - 130%	86
	BH102 1.2-1.3	SE224219.003	%	70 - 130%	86
	BH103 0.1-0.2	SE224219.004	%	70 - 130%	84

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	111
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	109
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	110

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	80
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	81
	BH102 1.2-1.3	SE224219.003	%	60 - 130%	85
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	71
	QD1	SE224219.005	%	60 - 130%	81
	TB	SE224219.007	%	60 - 130%	90
	TS	SE224219.008	%	60 - 130%	78
d4-1,2-dichloroethane (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	81
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	84
	BH102 1.2-1.3	SE224219.003	%	60 - 130%	88
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	73
	QD1	SE224219.005	%	60 - 130%	82
	TB	SE224219.007	%	60 - 130%	91
	TS	SE224219.008	%	60 - 130%	93
d8-toluene (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	83
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	84
	BH102 1.2-1.3	SE224219.003	%	60 - 130%	89
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	75
	QD1	SE224219.005	%	60 - 130%	83
	TB	SE224219.007	%	60 - 130%	96
	TS	SE224219.008	%	60 - 130%	94

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	QR1	SE224219.006	%	40 - 130%	101
d4-1,2-dichloroethane (Surrogate)	QR1	SE224219.006	%	40 - 130%	97
d8-toluene (Surrogate)	QR1	SE224219.006	%	40 - 130%	96

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil — Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	80
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	81
	BH102 1.2-1.3	SE224219.003	%	60 - 130%	85
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	71
	QD1	SE224219.005	%	60 - 130%	81
d4-1,2-dichloroethane (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	81
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	84
	BH102 1.2-1.3	SE224219.003	%	60 - 130%	88
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	73
	QD1	SE224219.005	%	60 - 130%	82
d8-toluene (Surrogate)	BH101M 0.1-0.2	SE224219.001	%	60 - 130%	83
	BH102 0.1-0.2	SE224219.002	%	60 - 130%	84
	BH102 1.2-1.3	SE224219.003	%	60 - 130%	89
	BH103 0.1-0.2	SE224219.004	%	60 - 130%	75
	QD1	SE224219.005	%	60 - 130%	83

Volatile Petroleum Hydrocarbons in Water — Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	QR1	SE224219.006	%	40 - 130%	101
d4-1,2-dichloroethane (Surrogate)	QR1	SE224219.006	%	60 - 130%	97
d8-toluene (Surrogate)	QR1	SE224219.006	%	40 - 130%	96

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Number	Parameter	Units	LOR	Result
LB234021.001	Mercury	mg/L	0.0001	<0.0001

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result
LB234331.001	Mercury	mg/kg	0.05	<0.05

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB234137.001		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Alpha BHC	mg/kg	0.1	<0.1
		Lindane	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		Endrin Aldehyde	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Endrin Ketone	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	75

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB234137.001		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	93
		d14-p-terphenyl (Surrogate)	%	-	94

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB234137.001	Naphthalene	mg/kg	0.1	<0.1
	2-methylnaphthalene	mg/kg	0.1	<0.1
	1-methylnaphthalene	mg/kg	0.1	<0.1
	Acenaphthylene	mg/kg	0.1	<0.1
	Acenaphthene	mg/kg	0.1	<0.1
	Fluorene	mg/kg	0.1	<0.1
	Phenanthrene	mg/kg	0.1	<0.1
	Anthracene	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB234137.001		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.8
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	93
		2-fluorobiphenyl (Surrogate)	%	-	93
		d14-p-terphenyl (Surrogate)	%	-	94

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB234137.001		Arochlor 1016	mg/kg	0.2	<0.2
		Arochlor 1221	mg/kg	0.2	<0.2
		Arochlor 1232	mg/kg	0.2	<0.2
		Arochlor 1242	mg/kg	0.2	<0.2
		Arochlor 1248	mg/kg	0.2	<0.2
		Arochlor 1254	mg/kg	0.2	<0.2
		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	75

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result
LB234318.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Number	Parameter	Units	LOR	Result
LB234035.001	Arsenic, As	µg/L	1	<1
	Cadmium, Cd	µg/L	0.1	<0.1
	Chromium, Cr	µg/L	1	<1
	Copper, Cu	µg/L	1	<1
	Lead, Pb	µg/L	1	<1
	Nickel, Ni	µg/L	1	<1
	Zinc, Zn	µg/L	5	<5

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB234137.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB234012.001	TRH C10-C14	µg/L	50	<50
	TRH C15-C28	µg/L	200	<200
	TRH C29-C36	µg/L	200	<200
	TRH C37-C40	µg/L	200	<200

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number	Parameter	Units	LOR

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB234147.001	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	92
		d8-toluene (Surrogate)	%	-	95
		Bromofluorobenzene (Surrogate)	%	-	90
	Totals	Total BTEX	mg/kg	0.6	<0.6

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB234074.001	Monocyclic Aromatic Hydrocarbons	Benzene	µg/L	0.5	<0.5
		Toluene	µg/L	0.5	<0.5
		Ethylbenzene	µg/L	0.5	<0.5
		m/p-xylene	µg/L	1	<1
		o-xylene	µg/L	0.5	<0.5
	Polycyclic VOCs	Naphthalene	µg/L	0.5	<0.5
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	94
		d8-toluene (Surrogate)	%	-	93
		Bromofluorobenzene (Surrogate)	%	-	97

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB234147.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	92

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB234074.001		TRH C6-C9	µg/L	40	<40
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	94
		d8-toluene (Surrogate)	%	-	93
		Bromofluorobenzene (Surrogate)	%	-	97

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224219.006	LB234021.012	Mercury	µg/L	0.0001	<0.0001	<0.0001	115	8

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224184.010	LB234331.014	Mercury	mg/kg	0.05	<0.05	<0.05	200	0
SE224219.005	LB234331.024	Mercury	mg/kg	0.05	0.18	0.16	59	15

Moisture Content

Method: ME-(AU)-[ENV]AN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.004	LB234156.011	% Moisture	%w/w	1	7.1	8.3	43	16
SE224298.010	LB234156.018	% Moisture	%w/w	1	8.7	8.2	42	6

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.004	LB234137.014		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin Aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin Ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.17	0.16	30	4
SE224298.010	LB234137.021		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.010	LB234137.021		Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin Aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin Ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.17	0.17	30	1

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.004	LB234137.014		Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
	LB234137.024		Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
SE224298.010	LB234137.025		Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	6

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.004	LB234137.014		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR	mg/kg	0.3	<0.3	<0.3	134	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	mg/kg	0.2	<0.2	<0.2	175	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.4	0.4	30	1
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
	LB234137.024		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0	mg/kg	0.2	<0.2	<0.2	200	0
				TEQ (mg/kg)	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR	mg/kg	0.3	<0.3	<0.3	134	0
				TEQ (mg/kg)	0.3	<0.3	<0.3	134	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	mg/kg	0.2	<0.2	<0.2	175	0
				TEQ (mg/kg)	0.2	<0.2	<0.2	175	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.4	0.4	30	1
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	2
SE224298.010	LB234137.025		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.010	LB234137.025		Fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0	TEQ (mg/kg)	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR	TEQ (mg/kg)	0.3	<0.3	<0.3	134	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	TEQ (mg/kg)	0.2	<0.2	<0.2	175	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.8	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.4	0.4	30	9
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	6

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.004	LB234137.014		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0	0	30	4
SE224298.010	LB234137.021		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0	0	30	1

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224184.010	LB234318.014	Arsenic, As	mg/kg	1	2	2	80	18
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	6.9	7.0	37	2
		Copper, Cu	mg/kg	0.5	3.2	2.9	46	10
		Nickel, Ni	mg/kg	0.5	2.3	2.3	52	1
		Lead, Pb	mg/kg	1	13	13	38	2
		Zinc, Zn	mg/kg	2	21	21	40	0
SE224219.005	LB234318.024	Arsenic, As	mg/kg	1	3	3	60	6
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	12	11	34	7
		Copper, Cu	mg/kg	0.5	45	42	31	9
		Nickel, Ni	mg/kg	0.5	5.2	4.7	40	8
		Lead, Pb	mg/kg	1	81	75	31	9
		Zinc, Zn	mg/kg	2	100	97	32	7

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Original	Duplicate	Parameter	Units	LOR

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Trace Metals (Dissolved) in Water by ICPMS (continued)

Method: ME-(AU)-[ENV]AN318

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224213.008	LB234035.014		Arsenic, As	µg/L	1	<1	<1	200	0
			Cadmium, Cd	µg/L	0.1	<0.1	<0.1	200	0
			Chromium, Cr	µg/L	1	<1	<1	200	0
			Copper, Cu	µg/L	1	<1	<1	175	0
			Lead, Pb	µg/L	1	<1	<1	200	0
			Nickel, Ni	µg/L	1	<1	<1	200	0
			Zinc, Zn	µg/L	5	<5	<5	200	0
SE224219.006	LB234035.018		Arsenic, As	µg/L	1	<1	<1	200	0
			Cadmium, Cd	µg/L	0.1	<0.1	<0.1	200	0
			Chromium, Cr	µg/L	1	<1	<1	200	0
			Copper, Cu	µg/L	1	<1	<1	200	0
			Lead, Pb	µg/L	1	<1	<1	200	0
			Nickel, Ni	µg/L	1	<1	<1	200	0
			Zinc, Zn	µg/L	5	<5	<5	200	0

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.004	LB234137.014		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE224298.010	LB234137.021		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	<45	200	0
			TRH C29-C36	mg/kg	45	<45	<45	200	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	200	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.003	LB234147.014	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
			Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.6	8.7	50	1
			d8-toluene (Surrogate)	mg/kg	-	8.5	8.8	50	4
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.3	8.2	50	1
		Totals	Total Xylenes	mg/kg	0.3	<0.3	<0.3	200	0
			Total BTEX	mg/kg	0.6	<0.6	<0.6	200	0
SE224298.010	LB234147.022	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
			Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.3	8.3	50	0
			d8-toluene (Surrogate)	mg/kg	-	8.8	8.5	50	3
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.3	8.0	50	3
		Totals	Total Xylenes	mg/kg	0.3	<0.3	<0.3	200	0
			Total BTEX	mg/kg	0.6	<0.6	<0.6	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224229.018	LB234074.023	Monocyclic Aromatic	Benzene	µg/L	0.5	<0.5	<0.5	200	0
			Toluene	µg/L	0.5	<0.5	<0.5	200	0
			Ethylbenzene	µg/L	0.5	<0.5	<0.5	200	0
			m/p-xylene	µg/L	1	<1	<1	200	0
			o-xylene	µg/L	0.5	<0.5	<0.5	200	0
		Polycyclic	Naphthalene	µg/L	0.5	<0.5	<0.5	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.6	9.4	30	2
			d8-toluene (Surrogate)	µg/L	-	9.7	9.3	30	4
			Bromofluorobenzene (Surrogate)	µg/L	-	10.2	8.5	30	18

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224298.003	LB234147.014		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.6	8.7	30	1
			d8-toluene (Surrogate)	mg/kg	-	8.5	8.8	30	4
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.3	8.2	30	1
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE224298.010	LB234147.022		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	8.3	8.3	30	0
			d8-toluene (Surrogate)	mg/kg	-	8.8	8.5	30	3
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.3	8.0	30	3
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224229.018	LB234074.023		TRH C6-C10	µg/L	50	<50	<50	200	0
			TRH C6-C9	µg/L	40	<40	<40	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.6	9.4	30	2
			d8-toluene (Surrogate)	µg/L	-	9.7	9.3	30	4
			Bromofluorobenzene (Surrogate)	µg/L	-	10.2	8.5	30	18
		VPH F Bands	Benzene (F0)	µg/L	0.5	<0.5	<0.5	200	0
			TRH C6-C10 minus BTEX (F1)	µg/L	50	<50	<50	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234331.002	Mercury	mg/kg	0.05	0.23	0.2	70 - 130	113

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234137.002		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	88
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	78
		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	88
		Dieldrin	mg/kg	0.2	<0.2	0.2	60 - 140	74
		Endrin	mg/kg	0.2	<0.2	0.2	60 - 140	99
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	79
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.11	0.15	40 - 130	75

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234137.002		Dichlorvos	mg/kg	0.5	1.3	2	60 - 140	66
		Diazinon (Dimpylate)	mg/kg	0.5	1.8	2	60 - 140	92
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.9	2	60 - 140	94
		Ethion	mg/kg	0.2	1.6	2	60 - 140	80
	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	93
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	91

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234137.002		Naphthalene	mg/kg	0.1	4.0	4	60 - 140	101
		Acenaphthylene	mg/kg	0.1	4.1	4	60 - 140	103
		Acenaphthene	mg/kg	0.1	4.7	4	60 - 140	117
		Phenanthrene	mg/kg	0.1	4.0	4	60 - 140	100
		Anthracene	mg/kg	0.1	4.6	4	60 - 140	115
		Fluoranthene	mg/kg	0.1	4.3	4	60 - 140	107
		Pyrene	mg/kg	0.1	4.8	4	60 - 140	119
		Benzo(a)pyrene	mg/kg	0.1	4.0	4	60 - 140	101
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.4	0.5	40 - 130	87
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	93
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	91

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234137.002	Arochlor 1260	mg/kg	0.2	0.4	0.4	60 - 140	100

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234318.002	Arsenic, As	mg/kg	1	340	318.22	80 - 120	108
	Cadmium, Cd	mg/kg	0.3	5.6	4.81	70 - 130	115
	Chromium, Cr	mg/kg	0.5	35	38.31	80 - 120	92
	Copper, Cu	mg/kg	0.5	320	290	80 - 120	110
	Nickel, Ni	mg/kg	0.5	190	187	80 - 120	100
	Lead, Pb	mg/kg	1	89	89.9	80 - 120	99
	Zinc, Zn	mg/kg	2	270	273	80 - 120	101

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234035.002	Arsenic, As	µg/L	1	21	20	80 - 120	107
	Cadmium, Cd	µg/L	0.1	22	20	80 - 120	111
	Chromium, Cr	µg/L	1	23	20	80 - 120	115
	Copper, Cu	µg/L	1	23	20	80 - 120	116
	Lead, Pb	µg/L	1	22	20	80 - 120	112
	Nickel, Ni	µg/L	1	23	20	80 - 120	117
	Zinc, Zn	µg/L	5	23	20	80 - 120	117

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234137.002		TRH C10-C14	mg/kg	20	35	40	60 - 140	88
		TRH C15-C28	mg/kg	45	<45	40	60 - 140	103
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	73
	TRH F Bands	TRH >C10-C16	mg/kg	25	37	40	60 - 140	93
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	90
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	70

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234012.002		TRH C10-C14	µg/L	50	1100	1200	60 - 140	95
		TRH C15-C28	µg/L	200	1500	1200	60 - 140	123
		TRH C29-C36	µg/L	200	1400	1200	60 - 140	116
	TRH F Bands	TRH >C10-C16	µg/L	60	1300	1200	60 - 140	112
		TRH >C16-C34 (F3)	µg/L	500	1400	1200	60 - 140	116
		TRH >C34-C40 (F4)	µg/L	500	740	600	60 - 140	124

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234147.002	Monocyclic	Benzene	mg/kg	0.1	4.3	5	60 - 140	86
	Aromatic	Toluene	mg/kg	0.1	4.2	5	60 - 140	85
		Ethylbenzene	mg/kg	0.1	4.5	5	60 - 140	89
		m/p-xylene	mg/kg	0.2	8.9	10	60 - 140	89
		o-xylene	mg/kg	0.1	4.5	5	60 - 140	89
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.1	10	70 - 130	101
		d8-toluene (Surrogate)	mg/kg	-	10.6	10	70 - 130	106
		Bromofluorobenzene (Surrogate)	mg/kg	-	9.6	10	70 - 130	96

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234074.002	Monocyclic	Benzene	µg/L	0.5	50	45.45	60 - 140	111
	Aromatic	Toluene	µg/L	0.5	51	45.45	60 - 140	113
		Ethylbenzene	µg/L	0.5	51	45.45	60 - 140	112
		m/p-xylene	µg/L	1	99	90.9	60 - 140	109
		o-xylene	µg/L	0.5	51	45.45	60 - 140	112
	Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.7	10	60 - 140	97
		d8-toluene (Surrogate)	µg/L	-	10.3	10	70 - 130	103
		Bromofluorobenzene (Surrogate)	µg/L	-	9.6	10	70 - 130	96

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234147.002		TRH C6-C10	mg/kg	25	88	92.5	60 - 140	95
		TRH C6-C9	mg/kg	20	76	80	60 - 140	95
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	10.1	10	70 - 130	101
		Bromofluorobenzene (Surrogate)	mg/kg	-	9.6	10	70 - 130	96
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	62	62.5	60 - 140	99

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234074.002		TRH C6-C10	µg/L	50	920	946.63	60 - 140	97
		TRH C6-C9	µg/L	40	790	818.71	60 - 140	96
	Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.7	10	60 - 140	97
		d8-toluene (Surrogate)	µg/L	-	10.3	10	70 - 130	103
		Bromofluorobenzene (Surrogate)	µg/L	-	9.6	10	70 - 130	96
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	µg/L	50	610	639.67	60 - 140	96

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224184.001	LB234331.004	Mercury	mg/kg	0.05	0.23	0.01427458660	0.2	108

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224219.001	LB234137.004		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Lindane	mg/kg	0.1	<0.1	<0.1	-	-
			Heptachlor	mg/kg	0.1	0.2	<0.1	0.2	121
			Aldrin	mg/kg	0.1	0.2	<0.1	0.2	111
			Beta BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Delta BHC	mg/kg	0.1	0.2	<0.1	0.2	119
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	-	-
			o,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
			Dieldrin	mg/kg	0.2	0.3	<0.2	0.2	120
			Endrin	mg/kg	0.2	0.3	<0.2	0.2	123
			o,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-
			o,p'-DDT	mg/kg	0.1	<0.1	<0.1	-	-
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	-	-
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDT	mg/kg	0.1	0.2	<0.1	0.2	106
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	-	-
			Endrin Aldehyde	mg/kg	0.1	<0.1	<0.1	-	-
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	-	-
			Endrin Ketone	mg/kg	0.1	<0.1	<0.1	-	-
			Isodrin	mg/kg	0.1	<0.1	<0.1	-	-
			Mirex	mg/kg	0.1	<0.1	<0.1	-	-
			Total CLP OC Pesticides	mg/kg	1	2	<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.17	-	110

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE224219.002	LB234137.023		Dichlorvos	mg/kg	0.5	<0.5	2	66
			Dimethoate	mg/kg	0.5	<0.5	-	-
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	2	90
			Fenitrothion	mg/kg	0.2	<0.2	-	-
			Malathion	mg/kg	0.2	<0.2	-	-
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	2	87
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	-	-
			Bromophos Ethyl	mg/kg	0.2	<0.2	-	-
			Methidathion	mg/kg	0.5	<0.5	-	-
			Ethion	mg/kg	0.2	<0.2	2	103
			Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	-	-
			Total OP Pesticides*	mg/kg	1.7	<1.7	-	-
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	-	86
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	-	93

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number	Parameter	Units	LOR	Original	Spike	Recovery%
SE224219.002	LB234137.023	Naphthalene	mg/kg	0.1	<0.1	4	87
		2-methylnaphthalene	mg/kg	0.1	<0.1	-	-
		1-methylnaphthalene	mg/kg	0.1	<0.1	-	-
		Acenaphthylene	mg/kg	0.1	<0.1	4	93
		Acenaphthene	mg/kg	0.1	<0.1	4	90
		Fluorene	mg/kg	0.1	<0.1	-	-
		Phenanthrene	mg/kg	0.1	0.7	4	83

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE224219.002	LB234137.023		Anthracene	mg/kg	0.1	0.2	4	86
			Fluoranthene	mg/kg	0.1	1.5	4	71
			Pyrene	mg/kg	0.1	1.3	4	79
			Benzo(a)anthracene	mg/kg	0.1	0.7	-	-
			Chrysene	mg/kg	0.1	0.8	-	-
			Benzo(b&j)fluoranthene	mg/kg	0.1	0.8	-	-
			Benzo(k)fluoranthene	mg/kg	0.1	0.4	-	-
			Benzo(a)pyrene	mg/kg	0.1	0.7	4	91
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.4	-	-
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	-	-
			Benzo(ghi)perylene	mg/kg	0.1	0.3	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=0	TEQ (mg/kg)	0.2	0.9	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR	TEQ (mg/kg)	0.3	1.0	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2	TEQ (mg/kg)	0.2	0.9	-	-
			Total PAH (18)	mg/kg	0.8	7.7	-	-
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.4	-	84
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	-	86
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	-	93

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224219.001	LB234137.004		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1260	mg/kg	0.2	0.6	<0.2	0.4	139
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	-	-
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	-	-
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0	0	-	110

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224184.001	LB234318.004	Arsenic, As	mg/kg	1	63	10.2285206633	50	105
		Cadmium, Cd	mg/kg	0.3	48	0.13366017372	50	96
		Chromium, Cr	mg/kg	0.5	53	3.93493541533	50	98
		Copper, Cu	mg/kg	0.5	55	1.55920119956	50	108
		Nickel, Ni	mg/kg	0.5	53	0.92104924228	50	103
		Lead, Pb	mg/kg	1	57	9.37832136276	50	95
		Zinc, Zn	mg/kg	2	68	20.55954762531	50	96

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224129.024	LB234035.004	Arsenic, As	µg/L	1	21	<1	20	106
		Cadmium, Cd	µg/L	0.1	24	<0.1	20	119
		Chromium, Cr	µg/L	1	25	<1	20	124
		Copper, Cu	µg/L	1	25	<1	20	124
		Lead, Pb	µg/L	1	22	<1	20	109
		Nickel, Ni	µg/L	1	24	<1	20	119
		Zinc, Zn	µg/L	5	27	<5	20	126

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE224219.002	LB234137.023		TRH C10-C14	mg/kg	20	<20	40	103
			TRH C15-C28	mg/kg	45	<45	40	103
			TRH C29-C36	mg/kg	45	<45	40	95
			TRH C37-C40	mg/kg	100	<100	-	-
			TRH C10-C36 Total	mg/kg	110	<110	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	-	-
		TRH F	TRH >C10-C16	mg/kg	25	<25	40	108
		Bands	TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	-	-

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

TRH (Total Recoverable Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN403

QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE224219.002	LB234137.023	TRH F	TRH >C16-C34 (F3)	mg/kg	90	<90	40	93
		Bands	TRH >C34-C40 (F4)	mg/kg	120	<120	-	-

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224219.001	LB234147.004	Monocyclic	Benzene	mg/kg	0.1	3.9	<0.1	5	79
		Aromatic	Toluene	mg/kg	0.1	4.1	<0.1	5	82
			Ethylbenzene	mg/kg	0.1	4.1	<0.1	5	83
			m/p-xylene	mg/kg	0.2	8.1	<0.2	10	81
			o-xylene	mg/kg	0.1	4.1	<0.1	5	81
		Polycyclic	Naphthalene	mg/kg	0.1	<0.1	<0.1	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.2	8.1	10	92
			d8-toluene (Surrogate)	mg/kg	-	9.6	8.3	10	96
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.4	8.0	10	84
		Totals	Total Xylenes	mg/kg	0.3	12	<0.3	-	-
			Total BTEX	mg/kg	0.6	24	<0.6	-	-

VOCs in Water

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224162.009	LB234074.024	Monocyclic	Benzene	µg/L	0.5	55	<0.5	45.45	121
		Aromatic	Toluene	µg/L	0.5	55	<0.5	45.45	120
			Ethylbenzene	µg/L	0.5	56	<0.5	45.45	124
			m/p-xylene	µg/L	1	110	<1	90.9	123
			o-xylene	µg/L	0.5	55	<0.5	45.45	122
		Polycyclic	Naphthalene	µg/L	0.5	46	<0.5	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.0	9.8	-	100
			d8-toluene (Surrogate)	µg/L	-	10.2	9.6	-	102
			Bromofluorobenzene (Surrogate)	µg/L	-	8.7	10.1	-	87

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224219.001	LB234147.004		TRH C6-C10	mg/kg	25	83	<25	92.5	89
			TRH C6-C9	mg/kg	20	71	<20	80	88
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.2	8.1	10	92
			d8-toluene (Surrogate)	mg/kg	-	9.6	8.3	10	96
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.4	8.0	-	84
		VPH F	Benzene (F0)	mg/kg	0.1	3.9	<0.1	-	-
		Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	59	<25	62.5	93

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE224162.009	LB234074.024		TRH C6-C10	µg/L	50	0.88	<50	946.63	92
			TRH C6-C9	µg/L	40	0.77	<40	818.71	93
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	0.0	9.8	-	100
			d8-toluene (Surrogate)	µg/L	-	0.0	9.6	-	102
			Bromofluorobenzene (Surrogate)	µg/L	-	0.0	10.1	-	87
		VPH F	Benzene (F0)	µg/L	0.5		<0.5	-	-
		Bands	TRH C6-C10 minus BTEX (F1)	µg/L	50	0.55	<50	639.67	84

MATRIX SPIKE DUPLICATES

SE224219 R0

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

No matrix spike duplicates were required for this job.

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.

STATEMENT OF QA/QC PERFORMANCE

SE224359 R0

CLIENT DETAILS

Contact	Andrew Schmidt
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	andrew.schmidt@eiaustralia.com.au
Project	**E25359 48 Victoria Rd, Rozelle**
Order Number	**E25359**
Samples	5

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
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Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE224359 R0**
Date Received	07 Oct 2021
Date Reported	12 Oct 2021

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met (within the SGS Alexandria Environmental laboratory).

SAMPLE SUMMARY

Samples clearly labelled	Yes	Complete documentation received	Yes
Sample container provider	SGS	Sample cooling method	Ice Bricks
Samples received in correct containers	Yes	Sample counts by matrix	5 Water
Date documentation received	7/10/2021	Type of documentation received	COC
Samples received in good order	Yes	Samples received without headspace	Yes
Sample temperature upon receipt	20°C	Sufficient sample for analysis	Yes
Turnaround time requested	Three Days		

HOLDING TIME SUMMARY

SE224359 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1M	SE224359.001	LB234282	07 Oct 2021	07 Oct 2021	04 Nov 2021	08 Oct 2021	04 Nov 2021	08 Oct 2021
GW-QD1	SE224359.002	LB234282	07 Oct 2021	07 Oct 2021	04 Nov 2021	08 Oct 2021	04 Nov 2021	08 Oct 2021
GW-QR1	SE224359.003	LB234282	07 Oct 2021	07 Oct 2021	04 Nov 2021	08 Oct 2021	04 Nov 2021	08 Oct 2021

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1M	SE224359.001	LB234419	07 Oct 2021	07 Oct 2021	14 Oct 2021	11 Oct 2021	20 Nov 2021	12 Oct 2021
GW-QD1	SE224359.002	LB234419	07 Oct 2021	07 Oct 2021	14 Oct 2021	11 Oct 2021	20 Nov 2021	12 Oct 2021
GW-QR1	SE224359.003	LB234419	07 Oct 2021	07 Oct 2021	14 Oct 2021	11 Oct 2021	20 Nov 2021	12 Oct 2021

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1M	SE224359.001	LB234240	07 Oct 2021	07 Oct 2021	05 Apr 2022	07 Oct 2021	05 Apr 2022	07 Oct 2021
GW-QD1	SE224359.002	LB234240	07 Oct 2021	07 Oct 2021	05 Apr 2022	07 Oct 2021	05 Apr 2022	07 Oct 2021
GW-QR1	SE224359.003	LB234240	07 Oct 2021	07 Oct 2021	05 Apr 2022	07 Oct 2021	05 Apr 2022	07 Oct 2021

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1M	SE224359.001	LB234419	07 Oct 2021	07 Oct 2021	14 Oct 2021	11 Oct 2021	20 Nov 2021	12 Oct 2021
GW-QD1	SE224359.002	LB234419	07 Oct 2021	07 Oct 2021	14 Oct 2021	11 Oct 2021	20 Nov 2021	12 Oct 2021
GW-QR1	SE224359.003	LB234419	07 Oct 2021	07 Oct 2021	14 Oct 2021	11 Oct 2021	20 Nov 2021	12 Oct 2021

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1M	SE224359.001	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QD1	SE224359.002	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QR1	SE224359.003	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QTB1	SE224359.004	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QTS1	SE224359.005	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH1M	SE224359.001	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QD1	SE224359.002	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QR1	SE224359.003	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QTB1	SE224359.004	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021
GW-QTS1	SE224359.005	LB234292	07 Oct 2021	07 Oct 2021	21 Oct 2021	08 Oct 2021	21 Oct 2021	11 Oct 2021

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	BH1M	SE224359.001	%	40 - 130%	64
d14-p-terphenyl (Surrogate)	BH1M	SE224359.001	%	40 - 130%	84
d5-nitrobenzene (Surrogate)	BH1M	SE224359.001	%	40 - 130%	42

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	BH1M	SE224359.001	%	40 - 130%	98
	GW-QD1	SE224359.002	%	40 - 130%	99
	GW-QR1	SE224359.003	%	40 - 130%	98
	GW-QTB1	SE224359.004	%	40 - 130%	98
	GW-QTS1	SE224359.005	%	40 - 130%	102
d4-1,2-dichloroethane (Surrogate)	BH1M	SE224359.001	%	40 - 130%	99
	GW-QD1	SE224359.002	%	40 - 130%	100
	GW-QR1	SE224359.003	%	40 - 130%	99
	GW-QTB1	SE224359.004	%	40 - 130%	101
	GW-QTS1	SE224359.005	%	40 - 130%	104
d8-toluene (Surrogate)	BH1M	SE224359.001	%	40 - 130%	97
	GW-QD1	SE224359.002	%	40 - 130%	98
	GW-QR1	SE224359.003	%	40 - 130%	97
	GW-QTB1	SE224359.004	%	40 - 130%	97
	GW-QTS1	SE224359.005	%	40 - 130%	101

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	BH1M	SE224359.001	%	40 - 130%	98
	GW-QD1	SE224359.002	%	40 - 130%	99
	GW-QR1	SE224359.003	%	40 - 130%	98
d4-1,2-dichloroethane (Surrogate)	BH1M	SE224359.001	%	60 - 130%	99
	GW-QD1	SE224359.002	%	60 - 130%	100
	GW-QR1	SE224359.003	%	60 - 130%	99
d8-toluene (Surrogate)	BH1M	SE224359.001	%	40 - 130%	97
	GW-QD1	SE224359.002	%	40 - 130%	98
	GW-QR1	SE224359.003	%	40 - 130%	97

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Number	Parameter	Units	LOR	Result
LB234282.001	Mercury	mg/L	0.0001	<0.0001

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB234419.001		Naphthalene	µg/L	0.1	<0.1
		2-methylnaphthalene	µg/L	0.1	<0.1
		1-methylnaphthalene	µg/L	0.1	<0.1
		Acenaphthylene	µg/L	0.1	<0.1
		Acenaphthene	µg/L	0.1	<0.1
		Fluorene	µg/L	0.1	<0.1
		Phenanthrene	µg/L	0.1	<0.1
		Anthracene	µg/L	0.1	<0.1
		Fluoranthene	µg/L	0.1	<0.1
		Pyrene	µg/L	0.1	<0.1
		Benzo(a)anthracene	µg/L	0.1	<0.1
		Chrysene	µg/L	0.1	<0.1
		Benzo(a)pyrene	µg/L	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	µg/L	0.1	<0.1
		Dibenzo(ah)anthracene	µg/L	0.1	<0.1
		Benzo(ghi)perylene	µg/L	0.1	<0.1
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	56
		2-fluorobiphenyl (Surrogate)	%	-	64
		d14-p-terphenyl (Surrogate)	%	-	78

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Number	Parameter	Units	LOR	Result
LB234240.001	Arsenic, As	µg/L	1	<1
	Cadmium, Cd	µg/L	0.1	<0.1
	Chromium, Cr	µg/L	1	<1
	Copper, Cu	µg/L	1	<1
	Lead, Pb	µg/L	1	<1
	Nickel, Ni	µg/L	1	<1
	Zinc, Zn	µg/L	5	<5

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB234419.001	TRH C10-C14	µg/L	50	<50
	TRH C15-C28	µg/L	200	<200
	TRH C29-C36	µg/L	200	<200
	TRH C37-C40	µg/L	200	<200

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB234292.001	Fumigants	2,2-dichloropropane	µg/L	0.5	<0.5
		1,2-dichloropropane	µg/L	0.5	<0.5
		cis-1,3-dichloropropene	µg/L	0.5	<0.5
		trans-1,3-dichloropropene	µg/L	0.5	<0.5
		1,2-dibromoethane (EDB)	µg/L	0.5	<0.5
	Halogenated Aliphatics	Dichlorodifluoromethane (CFC-12)	µg/L	5	<5
		Chloromethane	µg/L	5	<5
		Vinyl chloride (Chloroethene)	µg/L	0.3	<0.3
		Bromomethane	µg/L	10	<10
		Chloroethane	µg/L	5	<5
		Trichlorofluoromethane	µg/L	1	<1
		Iodomethane	µg/L	5	<5
		1,1-dichloroethene	µg/L	0.5	<0.5
		Dichloromethane (Methylene chloride)	µg/L	5	<5
		Allyl chloride	µg/L	2	<2
		trans-1,2-dichloroethene	µg/L	0.5	<0.5
		1,1-dichloroethane	µg/L	0.5	<0.5
		cis-1,2-dichloroethene	µg/L	0.5	<0.5

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOCs in Water (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB234292.001	Halogenated Aliphatics	Bromochloromethane	µg/L	0.5	<0.5
		1,2-dichloroethane	µg/L	0.5	<0.5
		1,1,1-trichloroethane	µg/L	0.5	<0.5
		1,1-dichloropropene	µg/L	0.5	<0.5
		Carbon tetrachloride	µg/L	0.5	<0.5
		Dibromomethane	µg/L	0.5	<0.5
		Trichloroethene (Trichloroethylene,TCE)	µg/L	0.5	<0.5
		1,1,2-trichloroethane	µg/L	0.5	<0.5
		1,3-dichloropropane	µg/L	0.5	<0.5
		Tetrachloroethene (Perchloroethylene,PCE)	µg/L	0.5	<0.5
		1,1,1,2-tetrachloroethane	µg/L	0.5	<0.5
		cis-1,4-dichloro-2-butene	µg/L	1	<1
		1,1,2,2-tetrachloroethane	µg/L	0.5	<0.5
		1,2,3-trichloropropane	µg/L	0.5	<0.5
		trans-1,4-dichloro-2-butene	µg/L	1	<1
		1,2-dibromo-3-chloropropane	µg/L	0.5	<0.5
		Hexachlorobutadiene	µg/L	0.5	<0.5
	Halogenated Aromatics	Chlorobenzene	µg/L	0.5	<0.5
		Bromobenzene	µg/L	0.5	<0.5
		2-chlorotoluene	µg/L	0.5	<0.5
		4-chlorotoluene	µg/L	0.5	<0.5
		1,3-dichlorobenzene	µg/L	0.5	<0.5
		1,4-dichlorobenzene	µg/L	0.3	<0.3
		1,2-dichlorobenzene	µg/L	0.5	<0.5
		1,2,4-trichlorobenzene	µg/L	0.5	<0.5
		1,2,3-trichlorobenzene	µg/L	0.5	<0.5
	Monocyclic Aromatic Hydrocarbons	Benzene	µg/L	0.5	<0.5
		Toluene	µg/L	0.5	<0.5
		Ethylbenzene	µg/L	0.5	<0.5
		m/p-xylene	µg/L	1	<1
		o-xylene	µg/L	0.5	<0.5
		Styrene (Vinyl benzene)	µg/L	0.5	<0.5
		Isopropylbenzene (Cumene)	µg/L	0.5	<0.5
		n-propylbenzene	µg/L	0.5	<0.5
		1,3,5-trimethylbenzene	µg/L	0.5	<0.5
		tert-butylbenzene	µg/L	0.5	<0.5
		1,2,4-trimethylbenzene	µg/L	0.5	<0.5
		sec-butylbenzene	µg/L	0.5	<0.5
		p-isopropyltoluene	µg/L	0.5	<0.5
		n-butylbenzene	µg/L	0.5	<0.5
	Nitrogenous Compounds	Acrylonitrile	µg/L	0.5	<0.5
	Oxygenated Compounds	Acetone (2-propanone)	µg/L	10	<10
		MtBE (Methyl-tert-butyl ether)	µg/L	2	<1
		Vinyl acetate	µg/L	10	<10
		MEK (2-butanone)	µg/L	10	<10
		MIBK (4-methyl-2-pentanone)	µg/L	5	<5
		2-hexanone (MBK)	µg/L	5	<5
	Polycyclic VOCs	Naphthalene	µg/L	0.5	<0.5
	Sulphonated	Carbon disulfide	µg/L	2	<2
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	99
		d8-toluene (Surrogate)	%	-	97
		Bromofluorobenzene (Surrogate)	%	-	97
	Trihalomethanes	Chloroform (THM)	µg/L	0.5	<0.5
		Bromodichloromethane (THM)	µg/L	0.5	<0.5
		Dibromochloromethane (THM)	µg/L	0.5	<0.5
		Bromoform (THM)	µg/L	0.5	<0.5

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Number	Parameter	Units	LOR

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Volatile Petroleum Hydrocarbons in Water (continued) — **Method: ME-(AU)-[ENV]AN433**

Sample Number		Parameter	Units	LOR	Result
LB234292.001		TRH C6-C9	µg/L	40	<40
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	99
		d8-toluene (Surrogate)	%	-	97
		Bromofluorobenzene (Surrogate)	%	-	97

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224377.008	LB234282.017	Mercury	µg/L	0.0001	<0.0001	<0.0001	200	37

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224358.001	LB234240.014	Arsenic, As	µg/L	1	<1	<1	200	0
		Cadmium, Cd	µg/L	0.1	<0.1	<0.1	190	0
		Chromium, Cr	µg/L	1	<1	<1	200	0
		Copper, Cu	µg/L	1	<1	<1	150	0
		Lead, Pb	µg/L	1	<1	<1	200	0
		Nickel, Ni	µg/L	1	8	8	27	1
		Zinc, Zn	µg/L	5	34	34	30	0
SE224359.003	LB234240.020	Arsenic, As	µg/L	1	<1	<1	200	0
		Cadmium, Cd	µg/L	0.1	<0.1	<0.1	200	0
		Chromium, Cr	µg/L	1	<1	<1	200	0
		Copper, Cu	µg/L	1	<1	<1	200	0
		Lead, Pb	µg/L	1	<1	<1	200	0
		Nickel, Ni	µg/L	1	<1	<1	200	0
		Zinc, Zn	µg/L	5	<5	<5	200	0

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224359.003	LB234419.025		TRH C10-C14	µg/L	50	<50	<50	200	0
			TRH C15-C28	µg/L	200	<200	<200	200	0
			TRH C29-C36	µg/L	200	<200	<200	200	0
			TRH C37-C40	µg/L	200	<200	<200	200	0
			TRH C10-C40	µg/L	320	<320	<320	200	0
		TRH F Bands	TRH >C10-C16	µg/L	60	<60	<60	200	0
			TRH >C10-C16 - Naphthalene (F2)	µg/L	60	<60	<60	200	0
			TRH >C16-C34 (F3)	µg/L	500	<500	<500	200	0
			TRH >C34-C40 (F4)	µg/L	500	<500	<500	200	0

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224377.008	LB234292.022	Monocyclic	Benzene	µg/L	0.5	<0.5	<0.5	200	0
		Aromatic	Toluene	µg/L	0.5	<0.5	<0.5	200	0
			Ethylbenzene	µg/L	0.5	<0.5	<0.5	200	0
			m/p-xylene	µg/L	1	<1	<1	200	0
			o-xylene	µg/L	0.5	<0.5	<0.5	200	0
		Polycyclic	Naphthalene	µg/L	0.5	<0.5	<0.5	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.1	9.8	30	3
			d8-toluene (Surrogate)	µg/L	-	9.6	10.0	30	3
			Bromofluorobenzene (Surrogate)	µg/L	-	9.9	9.3	30	6

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE224377.008	LB234292.022		TRH C6-C10	µg/L	50	<50	<50	200	0
			TRH C6-C9	µg/L	40	<40	<40	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.1	9.8	30	3
			d8-toluene (Surrogate)	µg/L	-	9.6	10.0	30	3
			Bromofluorobenzene (Surrogate)	µg/L	-	9.9	9.3	30	6
		VPH F Bands	Benzene (F0)	µg/L	0.5	<0.5	<0.5	200	0
			TRH C6-C10 minus BTEX (F1)	µg/L	50	<50	<50	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234419.002		Naphthalene	µg/L	0.1	27	40	60 - 140	68
		Acenaphthylene	µg/L	0.1	30	40	60 - 140	75
		Acenaphthene	µg/L	0.1	30	40	60 - 140	76
		Phenanthrene	µg/L	0.1	31	40	60 - 140	77
		Anthracene	µg/L	0.1	31	40	60 - 140	77
		Fluoranthene	µg/L	0.1	31	40	60 - 140	77
		Pyrene	µg/L	0.1	32	40	60 - 140	81
		Benzo(a)pyrene	µg/L	0.1	36	40	60 - 140	89
	Surrogates	d5-nitrobenzene (Surrogate)	µg/L	-	0.3	0.5	40 - 130	58
		2-fluorobiphenyl (Surrogate)	µg/L	-	0.3	0.5	40 - 130	60
		d14-p-terphenyl (Surrogate)	µg/L	-	0.4	0.5	40 - 130	78

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234240.002		Arsenic, As	µg/L	1	20	20	80 - 120	98
		Cadmium, Cd	µg/L	0.1	22	20	80 - 120	110
		Chromium, Cr	µg/L	1	22	20	80 - 120	111
		Copper, Cu	µg/L	1	22	20	80 - 120	108
		Lead, Pb	µg/L	1	21	20	80 - 120	103
		Nickel, Ni	µg/L	1	21	20	80 - 120	107
		Zinc, Zn	µg/L	5	23	20	80 - 120	116

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234419.002		TRH C10-C14	µg/L	50	970	1200	60 - 140	81
		TRH C15-C28	µg/L	200	1200	1200	60 - 140	97
		TRH C29-C36	µg/L	200	1200	1200	60 - 140	97
	TRH F Bands	TRH >C10-C16	µg/L	60	1100	1200	60 - 140	88
		TRH >C16-C34 (F3)	µg/L	500	1200	1200	60 - 140	104
		TRH >C34-C40 (F4)	µg/L	500	580	600	60 - 140	97

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234292.002	Halogenated	1,1-dichloroethene	µg/L	0.5	63	45.45	60 - 140	138
	Aliphatics	1,2-dichloroethane	µg/L	0.5	51	45.45	60 - 140	112
		Trichloroethene (Trichloroethylene,TCE)	µg/L	0.5	46	45.45	60 - 140	101
	Halogenated	Chlorobenzene	µg/L	0.5	54	45.45	60 - 140	119
	Monocyclic	Benzene	µg/L	0.5	49	45.45	60 - 140	109
	Aromatic	Toluene	µg/L	0.5	51	45.45	60 - 140	112
		Ethylbenzene	µg/L	0.5	50	45.45	60 - 140	110
		m/p-xylene	µg/L	1	98	90.9	60 - 140	108
		o-xylene	µg/L	0.5	50	45.45	60 - 140	109
	Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.3	10	60 - 140	103
		d8-toluene (Surrogate)	µg/L	-	10.6	10	70 - 130	106
		Bromofluorobenzene (Surrogate)	µg/L	-	9.7	10	70 - 130	97
	Trihalomethan	Chloroform (THM)	µg/L	0.5	56	45.45	60 - 140	123

Volatile Petroleum Hydrocarbons in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB234292.002		TRH C6-C10	µg/L	50	980	946.63	60 - 140	104
		TRH C6-C9	µg/L	40	860	818.71	60 - 140	106
	Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	10.3	10	60 - 140	103
		d8-toluene (Surrogate)	µg/L	-	10.6	10	70 - 130	106
		Bromofluorobenzene (Surrogate)	µg/L	-	9.7	10	70 - 130	97
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	µg/L	50	690	639.67	60 - 140	107

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOCs in Water

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE224281.004	LB234292.023	Monocyclic Aromatic	Benzene	µg/L	0.5	0	45.45	114
			Toluene	µg/L	0.5	0.10219497729	45.45	114
			Ethylbenzene	µg/L	0.5	0.00623323026	45.45	116
			m/p-xylene	µg/L	1	0.01235969649	90.9	116
			o-xylene	µg/L	0.5	0.00571616443	45.45	117
		Polycyclic	Naphthalene	µg/L	0.5	0.03222499373	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.96111219251	-	102
			d8-toluene (Surrogate)	µg/L	-	9.69855816953	-	102
			Bromofluorobenzene (Surrogate)	µg/L	-	9.74033315666	-	94

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QC Sample	Sample Number		Parameter	Units	LOR	Original	Spike	Recovery%
SE224281.004	LB234292.023		TRH C6-C10	µg/L	50	0	946.63	101
			TRH C6-C9	µg/L	40	0	818.71	103
		Surrogates	d4-1,2-dichloroethane (Surrogate)	µg/L	-	9.96111219251	-	102
			d8-toluene (Surrogate)	µg/L	-	9.69855816953	-	102
			Bromofluorobenzene (Surrogate)	µg/L	-	9.74033315666	-	94
		VPH F Bands	Benzene (F0)	µg/L	0.5	0	-	-
			TRH C6-C10 minus BTEX (F1)	µg/L	50	0	639.67	101

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

No matrix spike duplicates were required for this job.

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.