



CONSULTING EARTH SCIENTISTS

PRELIMINARY SITE INVESTIGATION

11-19 FRENCHMANS ROAD RANDWICK NSW 2031

PREPARED FOR FRENCHMANS LODGE PROPERTIES PTY LTD

CES DOCUMENT REFERENCE: CES190901-FRE-AB

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EXECUTIVE SUMMARY

Consulting Earth Scientists Pty Ltd (CES) was commissioned by Frenchmans Lodge Properties Pty Ltd (the Client) to carry out a Preliminary Site Investigation (PSI) at a site situated at 11-19 Frenchmans Road, Randwick NSW 2031. The PSI was required to support a development application for the Site. The proposed development includes demolition of existing site structures and the construction of a new residential aged care facility with a single level basement carpark.

The site is legally described as Lot 3 and 4 in Deposited Plan (DP) 13779 and Lot 10 DP 845575. The site location is presented as Figure 1, with a general site layout plan presented as Figure 2. A copy of the proposed development ground floor plan is presented as Appendix A.

This PSI has been prepared to assist with the identification of potential areas of environmental concern arising from the sites historical use, and to identify any potential contamination which may have occurred at the site, and to assess the suitability of the site, with respect to contamination, for the proposed development.

To complete the PSI, CES carried out the following scope of works:

- Desk top review of pertinent information relating to the site:
- Completed a site walkover across the accessible areas of the site by a Senior CES Environmental Engineer to assess and identify present and past recognised environmental conditions (potential contaminating activities or substances), current landforms and site conditions, offsite land uses and to assist with the development of a preliminary Conceptual Site Model;
- Completed a limited intrusive soil investigation and sampling programme which comprised the collection and laboratory analysis of soil samples from three locations. This is approximately 40% of the minimum sample locations required for a detailed site investigation presented in Table A of *Contaminated Sites Sampling Design Guidelines* (NSW EPA 1995). Samples were analysed for Total Recoverable Hydrocarbons (TRH), Benzene Toluene Ethylbenzene and Xylene (BTEX), Polycyclic Aromatic Hydrocarbons

(PAH) Polychlorinated Biphenyls (PCB), Organochlorine and Organophosphate Pesticides (OCP/OPP), eight common metals and metalloids and asbestos.

- Prepared a conceptual site model (CSM) in accordance with the *National Environmental Protection Measures (Assessment of Site Contamination) Measure 1999 – Schedule B2* (NEPC), 2013); and
- Prepared this Preliminary Site Investigation Report in general accordance with the *Guidelines for Consultants Reporting on Contaminated Sites* (NSW Office of Environment and Heritage (OEH), 2011) which presents the results of the investigation, a site specific CSM, and makes outline recommendations with respect to further investigation, remediation or contamination management.

The desk top assessment of the site history indicated that the site had the potential to have been impacted through historic filling associated with previous development, and construction and demolition works associated with the development of the site and use as a hospital.

The site walkover assessment identified the following potential sources of contamination: a hydraulic elevator, a chemical storage area and a grease trap. No evidence of bulk petroleum fuel storage was observed.

Limited intrusive investigation did not detect contaminant concentrations in excess of the conservative Tier 1 screening criteria for assessment of risk to human health or the environment. Fill material was encountered in all locations investigated, up to 1.5 m depth.

Based on the Preliminary Site Investigation there is insufficient information to determine that the site is suitable for the proposed development, or if remediation/management of contamination is required. Further investigation to refine the preliminary Conceptual Site Model is recommended.

To refine the conceptual site model and to provide the further information required for the proposed development and to determine if remediation and/or management of contamination is required, based on the existing site constraints, further investigations should be completed post demolition.

This may include the investigation of the following:

- The hydraulic elevator shaft sump, hydraulic pump, oil storage tank and stormwater system downgradient of the elevator sump pump discharge point;
- The chemical storage area;
- The grease trap; and
- To provide site coverage of fill material in a further 4 locations.

PRELIMINARY SITE INVESTIGATION

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LIST OF ABBREVIATIONS

ACM	Asbestos Containing Material
AHD	Australian Height Datum
ASS	Acid Sulfate Soil
BTEX	Benzene, Toluene, Ethylbenzene and Total Xylenes
CES	Consulting Earth Scientists Pty Ltd
CLM	Contaminated Land Management
CoPC	Contaminants of Potential Concern
DECCW	Department of Environment and Climate Change and Water
DLWC	Department of Land and Water Conservation
EPA	Environment Protection Authority
ESA	Environmental Site Assessment
km	Kilometre
LGA	Local Government Area
LPI	Land and Property Information Division
LEP	Local Environmental Plan
m	Metre
mbgl	metres Below Ground Level
MPS	Munmorah Power Station
NEPM	National Environment Protection Measure
NSW	New South Wales
OCF	Organochlorine Pesticide
PAH	Polycyclic Aromatic Hydrocarbon
PSI	Preliminary Site Investigation
PSP	Project Safety Plan
TRH	Total Recoverable Hydrocarbons
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

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1 INTRODUCTION

Consulting Earth Scientists Pty Ltd (CES) was commissioned by Frenchmans Lodge Properties Pty Ltd (the Client) to carry out a Preliminary Site Investigation (PSI) at a site situated at 11-19 Frenchmans Road, Randwick NSW 2031. The PSI was required to support a development application for the Site. The proposed development includes demolition of existing site structures and the construction of a new residential aged care facility with a single level basement carpark.

The site is legally described as Lot 3 and 4 in Deposited Plan (DP) 13779 and Lot 10 DP 845575. The site location is presented as Figure 1, with a general site layout plan presented as Figure 2. A copy of the proposed development ground floor plan is presented as Appendix A.

This PSI has been prepared to assist with the identification of potential areas of environmental concern arising from the sites historical use, and to identify any potential contamination which may have occurred at the site, and to assess the suitability of the site, with respect to contamination, for the proposed development.

This report has been prepared in general accordance with the applicable legislation and guidelines including but not limited to:

- *Guidelines for Consultants Reporting on Contaminated Sites* (NSW Office of Environment and Heritage (OEH), 2011);
- *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM International E1527-13, 2014);
- *National Environmental Protection Measures (Assessment of Site Contamination) Measure 1999 – Schedule B2* (NEPC), 2013); and
- *Contaminated Land Risk Assessment, A Guide to Good Practice* (CIRIA, Document C552, 2001).

CES was also commissioned to complete a geotechnical investigation for the proposed development. Results of the geotechnical investigation are presented in *Geotechnical Investigation 11-19 Frenchmans Road, Randwick NSW 2031* (CES Document Referenced CES190901-FRE-AC).

2 SCOPE OF WORK

To complete the PSI, CES carried out the following scope of works:

- Desk top review, which included a review of the following information:
 - Historical aerial photographs;
 - Topography maps;
 - Site geology and soil maps;
 - Acid Sulfate Soils Risk Maps;
 - Hydrology;
 - Hydrogeological information;
 - Site zoning;
 - Water NSW groundwater bore database;
 - SafeWork NSW Hazardous Goods Storage Database;
 - Historical Title information;
 - Site plans, including construction drawings and site layout plans; and
 - Contaminated land records and environment protection licence (EPL) database.
- Completion of a site walkover across the accessible areas of the site by a Senior CES Environmental Engineer to assess and identify present and past recognised environmental conditions (potential contaminating activities or substances), current landforms and site conditions, offsite land uses and to assist with the development of a Conceptual Site Model;
- Completion of a limited intrusive soil investigation and sampling programme which comprised:
 - Preparation of a project specific Project Safety Plan (PSP), sufficient for both the environmental and geotechnical drilling scopes;
 - Review of Dial Before You Dig (DBYD) services plans;
 - Drilling of three (3) boreholes using solid flight auger/standard penetration test drilling methods;
 - Logging of boreholes by an Geo-Environmental Engineer to record detailed observation of soil characteristics. Soils were visually screened during drilling for asbestos and visual or olfactory indicators of contamination; and
 - Selection of three soil samples based on field screening and assessment and submission of selected samples to a NATA accredited laboratory for a broad

analytical suite including Total Recoverable Hydrocarbons (TRH), Benzene Toluene Ethylbenzene and Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAH) Polychlorinated Biphenyls (PCB), Organochlorine and Organophosphate Pesticides (OCP/OPP), 8 common metals and metalloids and asbestos.

- Preparation of a preliminary conceptual site model (CSM) in accordance with the *National Environmental Protection Measures (Assessment of Site Contamination) Measure 1999 – Schedule B2* (NEPC), 2013); and
- Preparation of this Preliminary Site Investigation Report prepared in general accordance with the *Guidelines for Consultants Reporting on Contaminated Sites* (NSW Office of Environment and Heritage (OEH), 2011) which presents the information collected as part of the desktop assessment, site walk over, soil sampling programme and presents a site specific preliminary CSM, and makes outline recommendations with respect to further investigation, remediation or contamination management as required.

3 SITE INFORMATION

Information presented in this section is summarised from readily available information sources and the Lotsearch environmental database search site report, which is presented as Appendix B.

3.1 *SITE IDENTIFICATION*

The site is located at 11-19 Frenchmans Road, Randwick NSW 2031, within the Randwick City Council Local Government Area (LGA) and comprises three lots, identified as Lot 3 and 4 in DP 13779 and Lot 10 DP 845575. The site covers an area of approximately 2,715 m² (0.27 hectares) and is irregular in shape, roughly forming a T-shape. The geographical extent of the site is presented in Table 1 and presented in Figure 2:

Table 1: Geographical extent of the site (GDA 1994 MGA 56)

Corner/point of site	Eastings	Northings
Southeast corner of site	337826	6246594
Northeast corner of site	337821	6246617
Southwest corner of site	337755	6246570
Northwest corner of site	337750	6246599

3.2 *SITE DESCRIPTION*

The site is irregular in shape, roughly forming a T-shape, is located near the crest of a slope and gently slopes to the northeast (<3% slope). The site is occupied and is currently used an aged care facility and residential dwellings. The site surface, outside of building footprints, was observed to generally covered with hardstanding, with the exception of small landscaped areas in peripheral areas of the site.

3.3 *SURROUNDING LAND USE*

The site is situated in an area of mixed residential land use, with residential land use adjacent to the site in all directions.

The site immediate surrounding land use is presented in Table 2.

Table 2: Surrounding Land Use

Orientation	Description
North	Low and high density residential.
West	Low and high density residential.
South	Low and high density residential.
East	Low and high density residential. A service station is located approximately 100 m to the east of the site.

3.4 ***SENSITIVE RECEPTORS***

Sensitive receptors are presented in Table 3.

Table 3: Sensitive Receptors Onsite and Nearby

Sensitive Receptor	Receptor Type	Orientation and Distance from Site
Current/Future Site Occupiers Residential	Human Health – High Density Residential	0 m
Future Site Workers (Construction) Occupational Health	Human Health	0 m
Current/Future Nearby Site Occupiers (offsite) Residential,	Human Health – Low/High Density Residential,	0 m
Coogee Bay/Glebe Gully Recreational, Ecological	Human Health – Recreational; Ecological – Marine water Ecosystem (Coogee Bay) Freshwater ecosystem (Glebe Gully)	1.8 km south east (Coogee Bay) 350 m south east (Glebe Gully)

3.5 ***CURRENT AND PROPOSED SITE USE***

The site is currently used for mixed residential and aged care use.

CES understands that the site is proposed to be developed with the construction of a three-storey aged care building with a single level basement carpark. A copy of the ground floor plan of the proposed development was provided by the Client and is presented as Appendix A.

3.6 SITE ZONING

The site is zoned as R3 – Medium Density Residential in the Randwick Local Environmental Plan 2012.

3.7 GROUNDWATER BORE SEARCH

A total of 102 registered groundwater bores are located within 2 km of the site, with 16 registered bores within 1 km of the site. The closest groundwater bore is located 472 m north of the site. Of the 102 bores, 32 are listed as domestic use bores, four are listed as irrigation use bores. The remaining bore uses are listed as having monitoring, remediation, recreational, industrial, test and commercial and have not been considered further. Further details on the domestic bores within 1 km of the site are presented in Table 4 (no irrigation use bores are within 1 km of the site).

Table 4: Nearby Groundwater Bores – Registered domestic bores within 1 km of the site

Borehole ID	Authorised Purpose	Date Completed	Depth (m)	SWL (m)	Distance from site	Direction
GW106 854	Domestic	15/2/2005	7.00		472m	North
GW107 447	Domestic	17/6/2004	8.23	5.49	484m	North
GW110 058	Domestic	1/1/2006	8.00	2.00	536m	North
GW111553	Domestic	1/1/2005	14.00		591m	North
GW107 805	Domestic	27/2/2006			688m	North West
GW111724	Domestic	1/1/2008	6.00	4.50	757m	North West
GW072219	Domestic	28/2/1995	8.00		881m	North West
GW108 166	Domestic	29/5/2007	8.00		888m	West
GW110 542	Domestic	12/10/2009	27.80	12.20	896m	North
GW106 087	Domestic	14/4/2004	7.63	4.58	908m	West
GW106 078	Domestic	14/4/2004	7.32	4.27	929m	West

GW106671	Domestic	15/10/2004	9.50		992m	West
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3.8 SENSITIVE LOCAL ENVIRONMENTS

Underground Petroleum Storage System (UPSS) environmentally sensitive zones represent areas that are likely to be vulnerable to contamination from leaking UPSS, due to geological or groundwater properties. A review of the Department of Environment, Climate Change and Water (NSW) UPSS Regulation – Sensitive Zones Map (2010) (Randwick City Council) shows that the site is located within an UPSS environmentally sensitive zone.

UPSS environmentally sensitive zones have been identified by the NSW EPA through a risk-based approach to protecting sensitive environmental receptors. They represent a conservative assessment of areas that are likely to be vulnerable to contamination from leaking UPSS (due to geology or groundwater properties), or in close proximity to vulnerable environmental receptors (such as national parks and anything that is likely to be adversely affected by contaminated groundwater, e.g. groundwater bores, rivers, lakes, etc.).

3.9 GEOLOGY

A review of the Sydney 1:100 000 Sheet 9130, 1st edition. Geological Survey of New South Wales, Sydney geological map indicates that the site is positioned on a boundary of geological units and is underlain by Triassic medium to coarse grained quartz sandstone, very minor shale and laminate lenses of the Hawkesbury Sandstone Group and Quaternary medium to fine-grained marine sand with podsols.

3.10 SOILS

A review of the Sydney 1:100 000 Sheet 9130 soil landscape map indicates that the site is underlain by Newport aeolian landscapes.

3.11 ACID SULFATE SOILS

With reference to the Botany Bay Acid Sulphate Soils Risk Map, Edition 2, 1:25,000 (Department of Land and Water Conservation, 1997), the site is situated in an area of no known occurrence of acid sulfate soils: “*Acid sulfate soils are not known or expected to occur in these environments*”

With respect to the Randwick City Council LEP 2012 the site is nor situated on land classified as Class 1 - 5 and as such Acid Sulfate Soils are not considered further.

3.12 TOPOGRAPHY

The topography of the site is generally flat, gently slopes to the north east (<3% slope). The site is situated near the crest of a slope between 78 to 80 m AHD.

3.13 HYDROLOGY

Based on site observations, stormwater is likely to flow with topography to the north east. Stormwater is likely to be collected by an onsite stormwater collection system and discharge to council stormwater.

3.14 HYDROGEOLOGY

A review of the Hydrogeology Map of Australia, Commonwealth of Australia (Geoscience Australia) indicates that the site is likely to be underlain by porous, extensive highly productive aquifers.

No information on groundwater flow direction is currently available, however based on local topography shallow groundwater is likely to flow to the north east. There is considerable uncertainty with respect to this assessment.

3.15 METEOROLOGY

The site is located approximately 6.4 km north east of the former Commonwealth Bureau of Meteorology Sydney Airport weather station (Station ID 066037). The following climatic information was obtained from this data source, based on data recorded from 1939 to 2019:

- Mean monthly rainfall was variable throughout the year, with rainfall being highest during June (125.3 mm) and lowest during September (60.0 mm);
- Highest mean temperatures (recorded at 3 pm) occur during the months of December to March (mean maximum 21.1 to 24.8 degrees Celsius); and
- Cooler temperatures (recorded at 9 am) occur during the months of June to August (mean temperature 10.8 to 12.5 degrees Celsius).

4 SITE HISTORY

A summary of the site history information is presented below.

4.1 *TITLE RECORDS*

Historic Title information is presented as Appendix C.

A review of the previous title holders of the site identified no high-risk land uses such as heavy commercial/industrial or uses likely to require bulk storage of chemicals or hydrocarbon fuels.

The historical title review indicates that the site has a history of mixed residential (Lots 3 and 4 in DP13779) and use as a hospital, from as early as 1936 (Part Lot 10 DP845575).

4.2 *REVIEW OF HISTORICAL AERIAL PHOTOGRAPHS*

A review of the historical aerial photographs available for site is presented as Table 5. Copies of the aerial photographs are presented in Appendix B. The table includes an assessment of the site and the surrounding land for each historical aerial photograph. The aim of the review of is to identify potential sources of contamination other than those present at the time of the site walkover.

Table 5: Historical Aerial Photograph Review

Year	Description
1943	The site contains five structures, which appear likely to be residential dwellings. The structure at the centre of the site is larger than the remaining four, with an area of landscaping present adjacent to the structure. The surrounding land use appears to be low density residential.
1955	The site and its surrounds appear unchanged from the 1943 photograph.
1961	The site and its surrounds appear unchanged from the 1943 photograph.
1965	The site and its surrounds appear unchanged from the 1943 photograph, with the exception of the service station 100 m east of the site which has been constructed.
1970	The site and its surrounds appear unchanged from the 1943 photograph, with the exception of the larger central structure, which appears to have been extended, with the roof structure similar to that present in the 1943 photograph remaining visible.
1982	The site and its surrounds appear unchanged from the 1970 photograph, with the exception of one of the residential dwelling to the east of the large central building, which appears to have been removed.

Year	Description
1991	The site and its surrounds appear unchanged from the 1982 photograph.
2000	The site and its surrounds appear unchanged from the 1982 photograph, with the exception of a new structure or extension of the large central structure which is in the location of the structure removed in the 1982 photograph.
2007	The site and its surrounds appear unchanged from the 2000 photograph.
2014	The site and its surrounds appear unchanged from the 2000 photograph.
2018	The site and its surrounds appear unchanged from the 2000 photograph.

Based on the review of historic aerial photographs there is a potential for the site to have been impacted by previous developments, most likely due to the potential of historic filling and demolition of structures with the potential to contain hazardous building materials. The central part of the structure currently onsite appears to have been constructed prior to 1943. It is unlikely that the site was subject to significant industrial processes based on the aerial photographs.

4.3 *REVIEW OF HISTORICAL TOPOGRAPHICAL MAPS*

Review of historic topographical maps indicate that the site and its surrounds are relatively unchanged from 1917 to present and appear to consist of residential land uses. Topographical map review does not indicate that the site has a risk of historical use for potentially contaminating activities such as heavy commercial/industrial uses. Copies of the historic topographical maps are presented in Appendix B.

4.4 *HISTORIC BUSINESS DIRECTORIES*

Historic business directories search results are presented in Appendix B.

Review of historic business directories indicate that the Site has been used as a hospital from 1950.

Offsite businesses of note include:

- 1 Frenchmans Road, 24 m to the west of the site, was listed as Frenchmans Road Service Station (1959);
- 43 Frenchmans Road, 111 m east of the site, was listed as Fiveways Auto Port (earliest 1965).

4.5 *DANGEROUS GOOD STORAGE*

To be confirmed.

CES is waiting for a response from SafeWork NSW. On receipt of the information, this report will be updated.

4.6 *NSW CONTAMINATED SITE REGISTER*

The site is not listed on the NSW EPA Contaminated Sites Register.

No sites within a 500 m buffer of the site are listed on the NSW EPA Contaminated Sites Register.

One site, a service station located at 33-37 Carrington Road, 628 m east of the site is the only site within a 1 km buffer of the site listed on NSW EPA Contaminated Sites Register. Review of the available details in relation to the site, indicates that the site is impacted by TRH and free Light Non-Aqueous Phase Liquids (LNAPL) in groundwater, which has migrated offsite. Based on the distance from the Site, the likely groundwater flow direction and the nature of the contaminants identified at 33-37 Carrington Road, the contamination is unlikely to pose a risk to the Site and is therefore not considered further.

The service station located 100 m east of the site is not listed on the NSW EPA Contaminated Sites Register.

4.7 *NSW PFAS INVESTIGATION PROGRAMME*

The site is not listed on the NSW EPA PFAS Investigation Programme.

No sites within a 1 km buffer of the site are listed on the NSW EPA PFAS Investigation Programme, Department of Defence PFAS Investigation & Management Program or Airservices Australia National PFAS Management Program.

4.8 *NSW EPA LICENSED ACTIVITIES UNDER THE POEO ACT 1997*

The site is not subject to an Environment Protection Licence (EPL) issued under the Protection of the Environment Operations Act 1997.

One site within a 1 km buffer of the site is subject to an EPL, located 920 m west of the site, which relates to the construction of the CBD and South East Light Rail, and is considered unlikely to impact the Site, and is therefore not considered further.

5 PRELIMINARY CONCEPTUAL MODEL

5.1 *POTENTIAL SOURCES OF CONTAMINATION*

From a review of the available information relating to the site and surrounding area, there is a potential for the site to have been impacted by the previous activities at the site:

- The site may have been subject to filling for the purposes of previous development;
- Previous structures at the site which have been demolished may have contained hazardous building materials, with the potential to impact near surface soils;
- The site has a history of use as a hospital, which could include the use of small scale plant and operational equipment and chemical storage which have the potential to impact soil and groundwater from incidental leaks and spills; and
- Two service stations have been located within 100 m of the site, one 24 m to the west and one 100 m to the east. The direction for groundwater flow is unknown, however based on a review for the local topography, it is likely to flow to the east, which may result in contaminants from the nearby former service station impacting the site.

Onsite:

- Fill material of unknown origin;
- Hazardous building materials; and
- Small scale plant and operational equipment.

Offsite:

- Hydrocarbon fuel storage.

5.2 *CONTAMINANTS OF POTENTIAL CONCERN (COPC)*

Contaminants of Potential Concern (CoPC) associated with the site are:

Fill Materials of unknown origin:

The COPCs for fill materials that may be encountered onsite are presented below based on a broad range of potential contaminants.

- Petroleum Hydrocarbons (analysed as TRH);
- Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX);

-
- Polycyclic Aromatic Hydrocarbons (PAHs);
 - Organochlorine Pesticides (OCP);
 - Polychlorinated Biphenyls (PCBs);
 - Arsenic, cadmium, copper, lead, mercury and zinc (common metal and metalloids); and
 - Asbestos.

Developments containing hazardous building materials (including demolition):

The COPCs for developments containing hazardous building materials are presented below;

- Lead; and
- Asbestos.

Small scale plant and operational equipment and chemical storage.

- TRH;
- BTEX;
- PCBs;
- Surfactants;
- Lead; and
- Fats oils and grease.

Hydrocarbon fuel storage:

- TRH;
- BTEX; and
- Lead.

5.3 *POTENTIAL PATHWAYS*

The pathways through which contaminants may reach receptors are in part dependent by the nature and behaviour of the contaminant. Considering the potential contamination sources and the likely subsurface conditions to be encountered on the site, the following potential pathways have been identified, taking into account the development plan:

- Direct dermal contact;
- Incidental ingestion;

-
- Inhalation of particulate matter (dust);
 - Inhalation of vapours;
 - Dissolution or suspension (leaching) from soils to groundwater; and
 - Ecological exposure to impacted soil and groundwater.

Pathways not considered:

- Ingestion of impacted biota (terrestrial or aquatic);

5.4 RECEPTORS

Based on the proposed high-density residential development the potential receptors for the contaminants of concern are:

- Site workers (acute/short term risks);
- Current/Future site users;
- Offsite residential users;
- Groundwater; and
- Aquatic ecological receptors (i.e. Glebe Gully and Coogee Bay, approximately 350 m and 1.8 km east of the site, respectively).

5.5 PRELIMINARY CONCEPTUAL MODEL – POLLUTANT LINKAGES

The identified potential contaminant sources, pathways and receptors have been assessed to establish plausible pollutant linkages:

- Dermal contact with impacted soils in landscaped areas by current/future site users;
- Dermal contact with impacted soils during construction by site workers;
- Dermal contact with impacted groundwater/surface water during construction by site workers;
- Incidental ingestion of impacted soils in landscaped areas by current/future site users;
- Incidental ingestion of impacted soils during construction by site workers;
- Incidental ingestion of impacted groundwater/surface water during construction by site workers;
- Inhalation of particulate matter (asbestos or contaminated soil/dust) by current/future site users;

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- Inhalation of particulate matter (asbestos or contaminated soil/dust) during construction by site workers;
 - Inhalation of volatile contaminant from soil/groundwater by current/future site users (indoor and outdoor);
 - Inhalation of volatile contaminant from soil/groundwater by site workers during construction (indoor and outdoor);
 - Contamination of groundwater through the downward migration of leachable contaminants;
 - Potential contamination of surface water could occur through downward and lateral migration of leachable/soluble contaminants;
 - Terrestrial biota uptake of contaminants from soils or groundwater; and
 - Aquatic biota uptake of contaminants from surface water.

In summary, a number of potential pollutant linkages are present, which require further assessment.

6 DATA QUALITY OBJECTIVES

The DQO process is a seven-step iterative planning approach that is used to define the type, quantity and quality of data needed to inform decisions relating to the environmental condition of a site.

The preliminary conceptual site model is presented as Section 5 of this report.

6.1 *STEP 1 – STATE THE PROBLEM*

This step comprises a summary of the environmental impact that will require new environmental data and identifies the resources required to resolve the issue.

The problem is:

The site history assessment has indicated that potentially contaminating activities have occurred at the site through previous development of the site and offsite sources of potential contamination. In consideration of the above, further information is required to assess the suitability of the site for the proposed use.

The objective is:

To provide information on concentrations of the identified contaminants of concern in the site soils to assess whether the site is suitable for the proposed development.

The project team comprised Mark Challoner (Principal Environmental Scientist) (peer review), with Tristan Goodbody (Senior Environmental Engineer/Project Manager) with responsibility for technical reporting and Bowen Rein (Geo-environmental Engineer) as the field team. The Sub-contract analytical laboratory was Envirolab, and drilling services were provided by Hagstrom Drilling.

The appropriate regulator is the Randwick City Council.

The preliminary conceptual site model is detailed in Section 5.

6.2 *STEP 2 – IDENTIFY THE DECISION STATEMENT*

This step comprises the identification of decisions that need to be made about the impact and the new environmental data required to make them.

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- Is there evidence of potentially contaminating activities and land uses currently or historically?
 - Are contaminant concentrations present in soil above the relevant Tier 1 guideline criteria?
 - If contaminants are present in soil above the relevant guideline criteria does a complete source – exposure pathway – receptor link exist, or will exist during and following the proposed development works;
 - What further investigation or remediation works should be carried out to remove/manage the identified complete source – exposure pathway – receptor linkages;

It is expected that by resolving these questions, it will be possible to further develop the preliminary CSM presented in Section 5 to determine whether further investigation and or remediation is required, or that the site in its current form is suitable for the proposed development.

6.3 *STEP 3 – IDENTIFY INPUTS TO THE DECISION*

This step involves the identification of the information required to support any decision and whether any new environmental data will be required.

- Results of the desk top review of available historic information;
- Observations made during site walkover assessment;
- Observations and measurements made during drilling field work
- Soil laboratory analytical data collected;
- The contaminants of concern are as follows:
 - Petroleum Hydrocarbons (analysed as TRH);
 - Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX);
 - Polycyclic Aromatic Hydrocarbons (PAHs);
 - Organochlorine Pesticides (OCP);
 - Polychlorinated Biphenyls (PCBs);
 - Arsenic, cadmium, copper, lead, mercury and zinc (common metals and metalloids); and
 - Asbestos.
- Adopted Tier 1 screening criteria presented in the ASC NEPM (NEPC 2013) relevant for the proposed land use area of the site. The adopted screening criteria are presented in Section 8.

6.4 *STEP 4 – DEFINE THE STUDY BOUNDARIES*

This step involves the spatial and temporal aspects of the environmental media that the data must represent to support the decision (s).

- Lateral as defined by the site boundary shown on Figure 2;
- Vertical 8 m below existing ground level was considered sufficient for the assessment to enable the construction of one basement level, and any potential localised deeper excavations;
- Temporal – This project involves the collection of spot sampling at the recommended locations. As a result, it will be representative of a single moment in time and as such, will be subject to climatic and anthropogenic activities at that point or related to human activities that have occurred up to that point at the particular sampling location and therefore may not be representative of long term concentrations;

6.5 *STEP 5 – DEVELOP THE DECISION RULE*

This step comprises defining the parameter of interest, specifying the action level and integrating Step 1 to 4 into a single statement that gives a logical basis for choosing between alternative actions.

- A decision on the acceptance of the analytical data will be made on the basis of the Data Quality Indicators (DQI) in the context of the PARCC parameters as follows.
 - Precision: A quantitative measure of the variability (or reproducibility) of data;
 - Accuracy: A quantitative measure of the closeness of reported data to the “true” value;
 - Representativeness: The confidence (expressed qualitatively) that data is representative of each media present on the site;
 - Completeness: A measure of the amount of useable data from a data collection activity; and
 - Comparability: The confidence (expressed qualitatively) that data may be considered to be equivalent for each sampling and analytical event.
- To conclude the decision, the assessment decision rules must be met. The results of sampling and analysis of soil must meet the following criteria:
 - COPCs do not exist in soil samples at concentrations in excess of Tier 1 Assessment Criteria (Section 8);
- The results of the asbestos analyses must meet the following criteria:
 - No observed Asbestos Containing Material (ACM) on site surface and no detections in excess of 0.04% w/w;

-
- No detections of fibrous asbestos/asbestos fines in excess of 0.001%.

6.6 *STEP 6 – SPECIFY LIMITS ON DECISION ERRORS*

This step involves specifying the decision-maker's acceptable limits on decision errors.

The acceptable limits on decision error to be applied in the investigation have been developed based on Data Quality Indicators of precision, accuracy, representativeness, comparability and completeness.

The tolerable limits on decision errors are the probability that 95% of data will satisfy the DQI's, therefore a limit on the decision error will be 5% that a conclusive statement may be incorrect.

The potential for significant decision errors can be minimised by completing a robust Quality Analysis and Quality Control (QA/QC) program and by designing a sampling programme that includes appropriate sampling and analytical density for the purposes of the investigation.

6.7 *STEP 7 – OPTIMISE THE FIELDWORK PROGRAM DESIGN*

The optimised fieldwork program that was executed is presented as Section 7.

7 FIELDWORK PROGRAMME

7.1 *SITE WALKOVER ASSESSMENT*

A site walkover assessment was undertaken to assess and identify present and past recognized environmental conditions (potential contaminating activities or substances), current landforms and site conditions.

7.2 *INTRUSIVE INVESTIGATION*

The intrusive investigation was completed in combination with drilling works completed for the purpose of collecting information for geotechnical assessment of the site.

7.2.1 Sample Density

Three sample locations were assessed as part of the fieldwork programme. This represents approximately 40% of the minimum sample density prescribed by Table A of the NSW EPA (1995) Sampling Design Guidelines for a detailed site investigation for a site 0.27 ha in size. Based on the preliminary nature of the investigation, 40% of the prescribed sample density for a detailed site investigation was considered appropriate.

7.2.2 Sample Pattern

Sample locations were selected on a judgemental sampling pattern in accessible areas of the site and distributed to provide of site coverage, since no specific areas of environmental concern were identified prior to fieldwork. Sample locations are presented on Figure 2.

7.2.3 Sample Depth

Samples were collected from near surface sample points and through the soil profile at regular intervals.

7.2.4 Sample Analysis Schedule

Samples were analysed for Total Recoverable Hydrocarbons (TRH), Benzene Toluene Ethylbenzene and Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAH) Polychlorinated Biphenyls (PCB), Organochlorine and Organophosphate Pesticides (OCP/OPP), 8 common metals and metalloids and asbestos.

7.2.5 Field Screening

Field screening of samples were carried out by a combination of olfactory and visual contamination indications such as odours, staining or the presence of building rubble.

Field screening in accordance with ASC NEPM (NEPC 2013), Schedule B (2) Section 11.3.2 of 10 L soil samples for asbestos was not carried out due to the preliminary nature of the investigation and the limited volume of soils collected from boreholes completed.

7.2.6 Method of Sample Collection

Care was taken to ensure that representative samples were obtained, and that the integrity was maintained, particularly when dealing with potentially volatile or semi-volatile compounds. Specific sampling procedures for each method of collection are provided below in following sections.

7.2.7 Sample Collection

Samples were collected directly from Standard Penetration Test (SPT) tubes or augers using new nitrile gloves for each sample and placing the soil directly into laboratory supplied containers.

7.2.8 Decontamination Procedures

Dedicated sampling equipment (new nitrile gloves) and laboratory prepared sample containers were used. The SPT tube and auger was decontaminated using a combination of Decon 90 and potable water.

7.2.9 Sample Containers

Soil sample containers comprised glass jars with Teflon lined lids and zip locked bags supplied by either the primary laboratory. The jars were completely filled leaving no headspace, labelled with the job number, date, unique sampling point identification and initials of the project environmental scientist/engineer.

7.2.10 Method of Sample Storage and Handling

The samples were immediately placed in an esky/cool box in which ice has been added, to keep the samples cool. The samples in the cool box were then transported to the laboratory.

7.2.11 Sample Logging

A log of boreholes and soil samples collected were completed during fieldwork by a qualified experienced geo-environmental engineer. The log records the following data:

- Sample number and depth;
- Soil classification, colour, consistency or density, odour and moisture content;
- Groundwater colour, odour, suspensions;
- Depth of excavation;
- Method of excavation; and
- The depth of first encountered free water.

7.2.12 QA/QC Documentation

While on site, the supervising engineer filled out a copy of a ‘sample register’, which documents:

- Time of sample collection;
- Weather; and
- Sample location and depth.

All samples were classified in the field based on soil/fill/groundwater characteristics and obvious signs of contamination such as discolouration or odour were noted on the field logs.

All samples, including QC samples, were transported to the primary and check laboratories under Chain-of Custody (COC) procedures and maintained in an ice-filled cooler. The following details were recorded on the COC form:

- Site identification;
- The sampler;
- Nature of the sample;
- Collection time and date;
- Analyses to be performed; and
- Sample preservation method.

8 SITE ASSESSMENT CRITERIA

Tier 1 Screening Criteria to be used for the assessment of the analytical data are presented below. These are generic assessment criteria derived from standard land uses and exposure settings and, as such, are inherently conservative. These Tier 1 criteria are to form the basis for assessment of the suitability of the site for the proposed residential aged care development.

8.1 SOIL INVESTIGATION AND SCREENING LEVELS

Health investigation levels (HILs) have been developed for a broad range of metals and organic substances. The HILs are applicable for assessing human health risk via all relevant pathways of exposure and are generic to all soil types. The HILs applied to the site are, therefore, based on the future use of the site, and the site can be divided in accordance with the proposed future use. For the proposed development, the criteria applicable to high density residential with minimal access for soil access (HIL B) is the adopted Tier 1 Screening Criteria.

Health screening levels (HSLs) have been developed for selected petroleum compounds and fractions and are applicable to assessing human health risk via the inhalation and direct contact pathways. The HSLs depend on specific soil physicochemical properties, land use scenarios, and the characteristics of building structures. They apply to different soil types, and depths below surface to >4 m. For multi-storey buildings where non-residential uses (e.g. car parking or commercial use) exist in a basement or at ground level, then land use category HSL-D (commercial/industrial) should be applied. Based on the proposed development at the site, there is a proposed basement car park, therefore the HSL D will apply to the site.

'Petroleum hydrocarbon management limits' ('management limits') are applicable to petroleum hydrocarbon compounds only. They are applicable as screening levels following evaluation of human health and ecological risks and risks to groundwater resources. They are relevant for operating sites where significant sub-surface leakage of petroleum compounds has occurred and when decommissioning industrial and commercial sites. As such, they are not relevant to this site and have not been used.

Ecological investigation levels/Screening Levels (EILs) have been developed for selected metals and organic substances and are applicable for assessing risk to terrestrial ecosystems. EILs/ESLs can depend on specific soil physicochemical properties and land use scenarios. EILs/ESLs apply to the top two metres of soil. For the purpose of this investigation, data will be assessed in the context of urban residential and public open space. Collection of site specific soil physiochemical data was considered to be outside of the scope of the current preliminary investigation, values for the Australian Reference Soil will be used to determine EILs.

Asbestos HSL Health screening levels for asbestos in soils, which are based on scenario-specific likely exposure levels, are adopted from the Western Australia, Department of Health (WA DoH) guidelines – as prescribed in NEPM 2013. Based on the proposed end use, multi-level residential the Residential B exposure setting has been selected.

A summary of the relevant adopted Tier 1 Screening Criteria is presented in Table 6.

8.1.1 Aesthetics

Aesthetic issues generally relate to the presence of low-concern or non-hazardous inert foreign material (refuse) in soil or fill resulting from human activity (NEPC, 1999).

Site assessment may not detect contamination above human health or environmental assessment criteria, but further assessment would be required in the following circumstances:

- Highly malodorous soils or extracted groundwater (e.g. strong residual petroleum hydrocarbon odours, hydrogen sulphide in soil or extracted groundwater, organo-sulfur compounds);
- Hydrocarbon sheen on surface water;
- Discoloured chemical deposits or soil staining with chemical waste other than of a very minor nature;
- Large monolithic deposits of otherwise low-risk material, e.g. gypsum as powder or plasterboard, cement kiln dust;
- Presence of putrescible refuse including material that may generate hazardous levels of methane such as a deep-fill profile of green waste or large quantities of timber waste; and
- Soils containing residue from animal burial (e.g. former abattoir sites).

8.2 GROUNDWATER INVESTIGATION AND SCREENING LEVELS

Assessment of groundwater is outside of the scope of the current investigation.

9 QUALITY ASSURANCE AND QUALITY CONTROL

The field and laboratory QA/QC programme for this project is consistent with ASC NEPM (NEPC, 2013) requirements. Laboratory Certificates of Analysis, Sample Receipt Notification, and Chain of Custody documentation is presented as Appendix D.

9.1 *FIELD QA/QC PROGRAMME*

Soil samples were collected by an experienced environmental engineer, under established CES protocols. CES personnel have been trained in sample collection and handling techniques.

Based on the preliminary nature of the investigation, and the low sample numbers analysed, collection of field QA/QC samples was outside of the scope of the investigation.

9.2 *LABORATORY QA / QC PROGRAMME*

The reliability of test results from the analytical laboratories were monitored according to the QA/QC procedures used by the NATA accredited laboratory. The QA/QC programme employed by the NATA registered laboratories specified sample tracking procedures, methods of extraction, analysis, PQLs and acceptance criteria for results.

No laboratory QAQC outliers were reported by the laboratory.

9.3 *QAQC ASSESSMENT*

The field procedures applied, and laboratory QA/QC programme demonstrates that the data provided by the laboratory is representative of the properties of the samples provided by CES. The samples were collected in accordance with established CES SOPs. The QA/QC assessment did not detect any issues with the quality of the data collected therefore CES has a high degree of confidence in the quality of the data provided, and the data within this report is representative and suitable for the assessment.

10 RESULTS

10.1 *SITE WALKOVER OBSERVATIONS*

A site walkover was undertaken by a CES Senior Environmental Engineer on 06 November 2019. Selected photographs from the site walkover are presented as Appendix E.

Access inside of site structures was limited due to the operation of the site.

During the site walkover information was provided by Mr Ashley Bowkett, a manager of the facility.

10.1.1 **Current Use of the Site**

The site is currently used as a residential aged care facility, office facilities associated with the residential aged care facility (Lot 3 DP13779) and vacant residential dwelling (Lot 4 DP13779).

10.1.2 **General Description of Structures**

Five structures were observed onsite during the site walkover:

- Three brick former residential dwellings: The eastern most structure, which appeared to be a vacant former residential dwelling; one adjacent to the large central building which was a residential building that had been converted to office space for the facility; and a residential building to the west of the site, which appeared to be utilised as a staff room and canteen;
- One brick shed, vacant; and
- One large brick building in the centre of the site, with evidence of the building having been constructed in different times, with older construction details visible in parts. This structure appears to house the facility residents and associated services. The structure has a split-level construction, with a basement level in the south of the building which is on grade with the northern boundary of the site.

In general, all structures appeared to be good condition.

10.1.3 **Potable Water Supply and Sewage Disposal System**

Potable water was supplied by town water, with no onsite water supply observed.

Sewage disposal was provided by the municipal sewage network, with no onsite disposal system observed. Mr Bowkett stated that following complaints from adjacent site occupiers relating to potential impact of sewage and waste in stormwater drains, the site sewage system had been inspected using CCTV and was observed to be in good condition.

A grease trap was observed at the east of the larger central building. Approximately 1 m wide by 3 m long, depth unknown. Mr Bowkett stated that the grease trap was regularly pumped out by vacuum tankers.

10.1.4 Storage and Use of Petroleum Products and Hazardous Materials

No use of petroleum products or hazardous materials were observed with the following exceptions:

- A cleaning and paint storage room was identified near the western boundary of the site. The location is presented on Figure 2.
- A small hydraulic oil storage tank and pump associated with the lift in the main facility building. The location is presented on Figure 2.
- A oxygen gas storage facility located to the south east of the main facility building. The location is presented on Figure 2.
- No bulk fuel storage was observed onsite during the site walkover. Mr Bowkett indicated that there was a 20 L petrol tank kept in the basement of the main building.

Mr Bowkett was not aware of any further areas of Storage and Use of Petroleum Products and Hazardous Materials.

10.1.5 Disposal of Petroleum Products and Hazardous Materials

No evidence of on-site disposal of petroleum products or hazardous materials was observed on-site during the site walkover.

No evidence of onsite disposal of drums or oils was observed.

10.1.6 Odours

No odours which could reasonably be considered to be indicative of evidence of contamination were detected during the site walkover.

10.1.7 Pools of Liquid, Leaks and Spills

No pools of liquid, leaks or spills were observed during the site walkover.

10.1.8 Drums and Unidentified Substance Containers

No drums or unidentified substance containers were observed during the site walkover, with the exception of cleaning products noted in Section 10.1.4.

10.1.9 PCBs Associated with Electrical or Hydraulic Equipment

No PCB associated equipment were observed during the site walkover, however given the likely age of some of the site structures, PCB containing equipment may be present onsite.

10.1.10 Heating and Cooling System

Gas fired hot water heating was observed on the outside of the main facility building.

Individual air conditioning units were observed at locations around the site.

10.1.11 Drains and Sumps

Stormwater drains and grates were observed in areas of hardstanding. Stormwater drains appear to discharge to the north.

Mr Bowkett stated that there is a sump pump and float switch installed in the base of the elevator shaft. The pump discharges to the site stormwater system. Mr Bowkett noted that if the elevator hydraulic system leaked, the hydraulic oil would collect in the elevator sump and therefore be likely discharged to the site stormwater.

10.1.12 Stained Soil or Pavement

No staining was observed on soils at the site surface or observed on soils during drilling.

10.1.13 Stressed Vegetation

Vegetation observed onsite did not display signs of stress.

10.1.14 Solid Waste and Waste Filling

No evidence of solid waste or waste filling was observed during the site walkover inspection.

Facility waste was collected in an area to the north of the site. All waste materials were observed to be stored in sealed plastic containers. A clinical waste container was present and locked. No staining indicative of contamination was observed.

10.1.15 Wells

No groundwater wells were observed onsite during the site walkover.

10.1.16 Asbestos Containing Materials

No suspected Asbestos Containing Materials (ACM) were observed on-site during the site walkover.

Mr Bowkett stated that there are ACM in the central structure of the site. An Asbestos Register was not provided.

10.1.17 Fire Fighting Chemicals

Only dry powder fire extinguishers were observed during the site walkover.

10.2 *INTRUSIVE INVESTIGATION*

10.2.1 Encountered Subsurface Conditions

Borehole logs recorded from each location are presented as Appendix F.

A subsurface model has been prepared and is presented in Table 7.

The depths of the various strata are based on the depths encountered at the borehole locations and may be different at other parts of the site. Detailed descriptions and depths of materials encountered are presented on the borehole logs included in Appendix F.

It should be noted that the depths provided in this table relate to the ground level at the time of the current investigation in November 2019.

Table 7: Inferred Subsurface Model

Geotechnical Unit	Approximate Depth to Top of Unit (m)	Approximate Thickness (m)	Typical Description
Topsoil/Concrete	0.0	0.1	<ul style="list-style-type: none"> SAND: fine grained, dark brown/yellow. Trace gravel, grass, leaf litter and roots. Moist. CONCRETE
FILL	0.1	0.65 to 1.4	<ul style="list-style-type: none"> SAND, fine grained, brown/dark brown. Trace angular gravel, roots. Moist
SAND	1.5	0.25	<ul style="list-style-type: none"> SAND: fine grained, light grey/dark grey, trace fine angular gravel. Moist, dense.
SANDSTONE	0.75 to 1.75	>7.25 (Base not penetrated)	<ul style="list-style-type: none"> SANDSTONE: fine grained, dark to pale grey, brown and red, extremely weathered to fresh, extremely low to high strength. Horizontal laminations of shale (1-5 mm thick at 10-50 mm spacings)

Groundwater was not encountered during drilling.

10.2.2 Field Screening

No soils encountered during fieldwork exhibited visual or olfactory indicators of contamination such as odours or staining.

No asbestos or suspected asbestos containing materials (ACM) were observed in site soils field screening.

10.2.3 Laboratory Analysis

Laboratory Certificates of Analysis, Sample Receipt Notification, and Chain of Custody documentation is presented as Appendix D.

A summary of laboratory analysis and a comparison of the analysis results to the ASC NEPM (NEPC 2013) HIL B/HSL D for high density residential land use and EILs are presented as Table 8.

An assessment of the laboratory results indicates that the contaminants of potential concern identified in the Preliminary Conceptual Site Model do not exceed the conservative Tier 1 human health or ecological risk screening criteria.

11 SUMMARY AND DISCUSSION

11.1 *SITE HISTORY*

A summary of the site history assessment is presented below:

- The historical title review indicates that the site has a history of mixed residential (Lots 3 and 4 in DP13779) and use as a hospital, from as early as 1936 (Part Lot 10 DP845575). A review of the previous title holders of the site identified no high-risk land uses such as heavy commercial/industrial or uses likely to require bulk storage of chemicals or hydrocarbon fuels.
- Review of historic aerial photographs there is a potential for the site to have been impacted by previous developments, most likely due to the potential of historic filling and demolition of structures with the potential to contain hazardous building materials. It is unlikely that the site was subject to significant industrial processes based on the aerial photographs.
- Topographical map review does not indicate that the site has a risk of historical use for potentially contaminating activities such as heavy commercial/industrial uses
- The site is not listed on the NSW EPA Contaminated Sites Register. No sites within a 500 m buffer of the site are listed on the NSW EPA Contaminated Sites Register.
- The site is not listed on the NSW EPA PFAS Investigation Programme. No sites within a 1 km buffer of the site are listed on the NSW EPA PFAS Investigation Programme, Department of Defence PFAS Investigation & Management Program or Airservices Australia National PFAS Management Program.
- The site is not subject to an Environment Protection Licence (EPL) issued under the Protection of the Environment Operations Act 1997.
- Review of historic business directories indicate that the Site has been used as a hospital from 1950.

11.2 *SITE WALKOVER*

A summary of the site walkover assessment is presented below:

- A grease trap was observed at the east of the larger central building. Approximately 1 m wide by 3 m long, depth unknown
- A cleaning and paint storage room was identified near the western boundary of the site.
- A hydraulic oil storage tank and pump associated with the lift in the main facility building.
- No bulk fuel storage was observed onsite during the site walkover.
- No groundwater wells were observed onsite during the site walkover

-
- No suspected Asbestos Containing Materials (ACM) were observed on-site during the site walkover however it was report that there are ACM in the central structure of the site. An Asbestos Register was not provided.

11.3 *INTRUSIVE INVESTIGATION*

A summary of the intrusive investigation is presented below:

- Fill material comprising fine grained brown to dark brown sand with trace fine angular gravel and roots was encountered to a maximum depth of 1.5 m.
- Groundwater was not observed during drilling. Boreholes were extended to 8 m depth.
- No soils encountered during fieldwork exhibited visual or olfactory indicators of contamination such as odours or staining.
- No asbestos or suspected asbestos containing materials (ACM) was observed in site soils field screening.
- In soil samples collected and analysed, contaminants of potential concern identified in the Preliminary Conceptual Site Model do not exceed the conservative Tier 1 human health or ecological risk screening criteria.

11.4 *REVISED CSM*

Based on the results of the investigation a revised Conceptual Site Model is presented below.

11.4.1 *Potential Sources of Contamination*

From a review of the available information relating to the site and surrounding area, there is a potential for the site to have been impacted by the previous activities at the site:

- The site has been subject to filling for the purposes of previous development.

Three samples of fill material were collected and analysed as part of the investigation. Contaminant concentrations were not detected in excess of the conservative Tier 1 screening criteria. Due to the preliminary nature of the investigation and the likely heterogeneous nature of fill materials, the potential for contaminant concentrations in excess of the Tier 1 screening criteria at the site remains.
- Previous structures at the site which have been demolished may have contained hazardous building materials, with the potential to impact near surface soils;

No potential ACM were observed during fieldwork and asbestos, lead, and PCB concentrations were not detected above the Tier 1 screening criteria. Due to the preliminary

nature of the investigation and the likely heterogeneous distribution of hazardous building materials (if present) the potential for hazardous building materials at the site remains.

- The site has a history of use as a hospital, which could include the use of small scale plant and operational equipment and chemical storage which have the potential to impact soil and groundwater from incidental leaks and spills.

During the site walkover assessment, a chemical storage area, hydraulic elevator and grease trap were observed. Investigation of this potential sources of impact has not been undertaken.

Based on information provided by Mr Bowkett, there is potential for hydrocarbon impact arising from stormwater pipes downgradient of the hydraulic elevator sump pump.

- Two service stations have been located within 100 m of the site, one 24 m to the west and one 100 m to the east. The direction for groundwater flow is unknown, however based on a review for the local topography, it is likely to flow to the east, which may result in contaminants from the nearby former service station impacting the site.

Based on observations made during drilling, groundwater at the site is a depths of greater than 8 m bgl. Applying the petroleum vapour intrusion assessment site screening using vertical screening distances (ITRC 2014), groundwater at the site is greater than the maximum vertical screening distance (distance from the petroleum vapour source and the bottom of the building foundation) of 5.49 m (18 ft) for industrial petroleum sites, therefore petroleum vapour intrusion risk from an offsite source is considered to be low, and is therefore not considered further.

11.4.2 Contaminants of Potential Concern (CoPC)

Contaminants of Potential Concern (CoPC) associated with the site are:

Fill Materials of unknown origin:

The COPCs for fill materials that may be encountered onsite are presented below based on a broad range of potential contaminants.

- Petroleum Hydrocarbons (analysed as TRH);
- Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX);
- Polycyclic Aromatic Hydrocarbons (PAHs);
- Organochlorine Pesticides (OCP);
- Polychlorinated Biphenyls (PCBs);

-
- Arsenic, cadmium, copper, lead, mercury and zinc (common metal and metalloids); and
 - Asbestos.

Developments containing hazardous building materials (including demolition):

The COPCs for developments containing hazardous building materials are presented below;

- Lead; and
- Asbestos.

Small scale plant and operational equipment and chemical storage.

- TRH;
- BTEX;
- Lead; and
- Fats oils and grease.

11.4.3 Potential Pathways

The pathways through which contaminants may reach receptors are in part determined by the nature and behaviour of the contaminant. Considering the potential contamination sources and the likely subsurface conditions to be encountered on the site, the following potential pathways have been identified, taking into account the development plan:

- Direct dermal contact;
- Incidental ingestion;
- Inhalation of particulate matter (dust);
- Inhalation of vapours;
- Dissolution or suspension (leaching) from soils to groundwater; and
- Ecological exposure to impacted soil and groundwater.

Pathways not considered:

- Ingestion of impacted biota (terrestrial or aquatic).

11.4.4 Receptors

Based on the proposed high-density residential development, the potential receptors for the contaminants of concern are:

-
- Site workers (acute/short term risks);
 - Current/Future site users;
 - Offsite residential users;
 - Groundwater; and
 - Aquatic ecological receptors (i.e. Glebe Gully and Coogee Bay, approximately 350 m and 1.8 km east of the site, respectively).

11.4.5 Conceptual Model – Pollutant Linkages

The identified contaminant sources, pathways and receptors have been assessed to establish plausible pollutant linkages:

- Dermal contact with impacted soils in landscaped areas by current/future site users;
- Dermal contact with impacted soils during construction by site workers;
- Incidental ingestion of impacted soils in landscaped areas by current/future site users;
- Incidental ingestion of impacted soils during construction by site workers;
- Incidental ingestion of impacted surface water during construction by site workers;
- Inhalation of particulate matter (asbestos or contaminated soil/dust) by current/future site users;
- Inhalation of particulate matter (asbestos or contaminated soil/dust) during construction by site workers;
- Inhalation of volatile contaminants from soil by current/future site users (indoor and outdoor);
- Inhalation of volatile contaminants from soil by site workers during construction (indoor and outdoor);
- Contamination of groundwater through the downward migration of leachable contaminants;
- Potential contamination of surface water could occur through downward and lateral migration of leachable/soluble contaminants;
- Terrestrial biota uptake of contaminants from soils or groundwater; and
- Aquatic biota uptake of contaminants from surface water.

In summary, a number of potential pollutant linkages are present, which require further assessment.

11.5 *SITE SUITIBILITY*

Based on the Preliminary Site Investigation, there is insufficient information to determine that the site is suitable for the proposed development, or if remediation/management of contamination is required. Further investigation to refine the Conceptual Site Model is recommended in Section 12.

12 RECOMMENDATIONS

To refine the conceptual site model presented in Section 11.4 and to provide the further information required for the proposed development and to determine if remediation and/or management of contamination is required, based on the existing site constraints, further investigations should be completed post demolition.

This may include the investigation of the following:

- The hydraulic elevator shaft sump, hydraulic pump, oil storage tank and stormwater system downgradient of the elevator sump pump discharge point;
- The chemical storage area;
- The grease trap; and
- To provide site coverage of fill material in a further 4 locations.

13 LIMITATIONS OF THIS REPORT

This report has been prepared for use by the client who commissioned the works in accordance with the project brief and based on information provided by the client. The advice contained in this report relates only to the current project and all results, conclusions and recommendations should be reviewed by a competent person with experience in geotechnical and environmental investigations before being used for any other purpose. CES accepts no liability for use or interpretation by any person or body other than the client. This report must not be reproduced except in full and must not be amended in any way without prior approval by the client and CES.

This report does not provide a complete assessment of the environmental status of the site and is limited to the scope defined therein. Should information become available regarding conditions at the site including previously unknown sources of contamination, CES reserves the right to review the report in the context of the additional information.

14 REFERENCES

ASTM International E1527-13, (2014): *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*

Bureau of Meteorology (2018) <http://www.bom.gov.au/> Accessed 28 August 2018.

Environment Protection Authority NSW (2011): *Guidelines for Consultants Reporting on Contaminated Sites*. EPA 97/104, Environment Protection Authority of New South Wales.

ITRC (Interstate Technology & Regulatory Council). 2014. *Petroleum Vapor Intrusion: Fundamentals of Screening, Investigation, and Management*. PVI-1. Washington, D.C.: Interstate Technology & Regulatory Council, Petroleum Vapor Intrusion Team. www.itrcweb.org/PetroleumVI-Guidance.

NEPC, 2013: National Environment Protection Council (2013). National Environment Protection (Assessment of Site Contamination) Measure. *Schedule B(1) Guideline on Investigation Levels For Soil and Groundwater*.

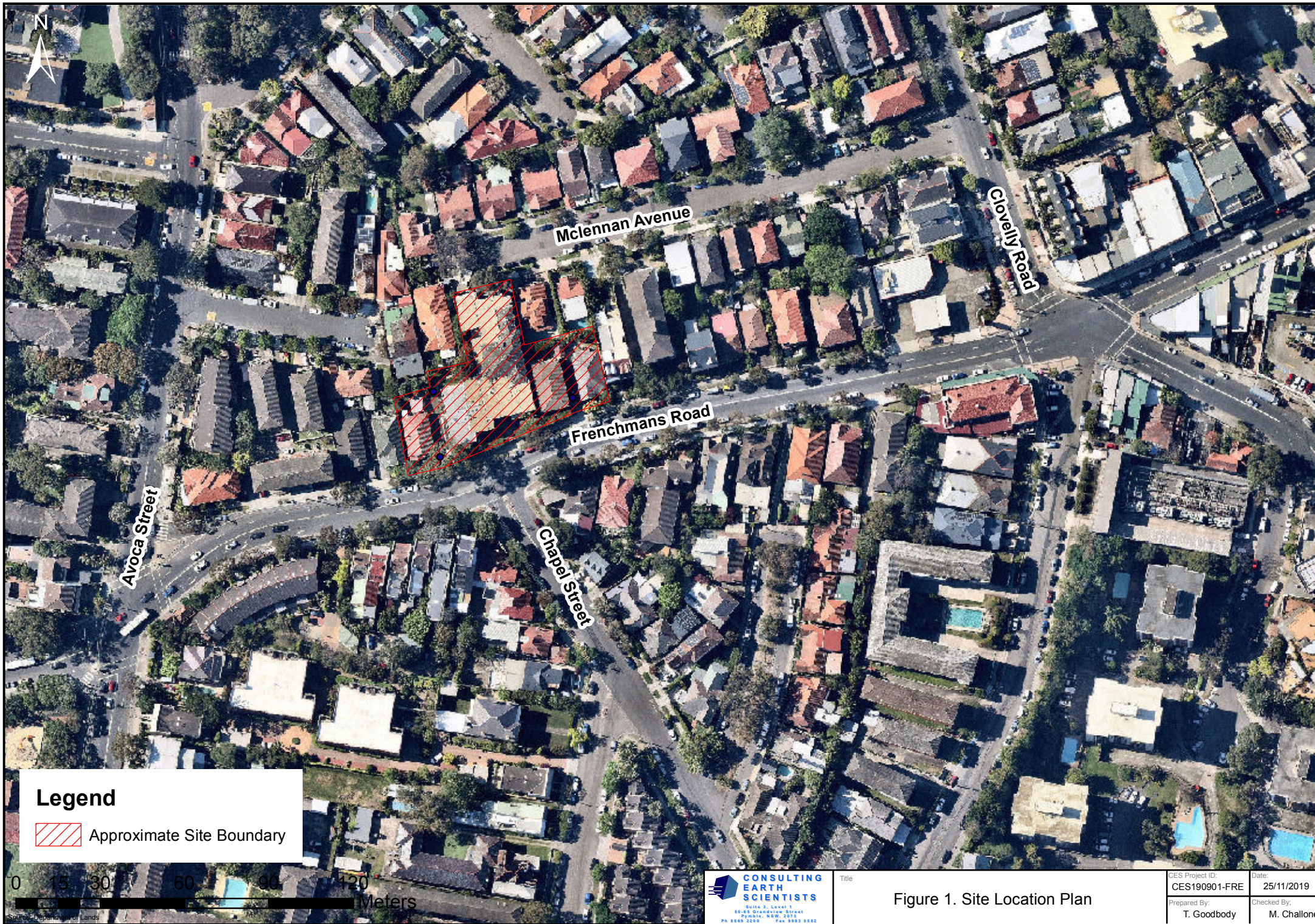
NEPC, 2013: National Environment Protection Council (2013). National Environment Protection (Assessment of Site Contamination) Measure. *Schedule B(2) Guideline on Site Characterisation*.

NSW Office of Environment and Heritage (OEH), 2011, *Guidelines for Consultants Reporting on Contaminated Sites*;

Rudland, D J; Lancefield, R M; Mayall, P N (2001): CIRIA 552, *Contaminated Land Risk Assessment – A guide to good practice*. Construction Industry Research and Information Association, London.

.

Figures





Tables

Project: 11-19 Frenchmans Road, Randwick
Client: Frenchmans Lodge Properties Pty Ltd
CES Project Number: CES190901-FRE
Table 6: Soil Analytical Results - HIL/HSL, EIL/ESL Assessment

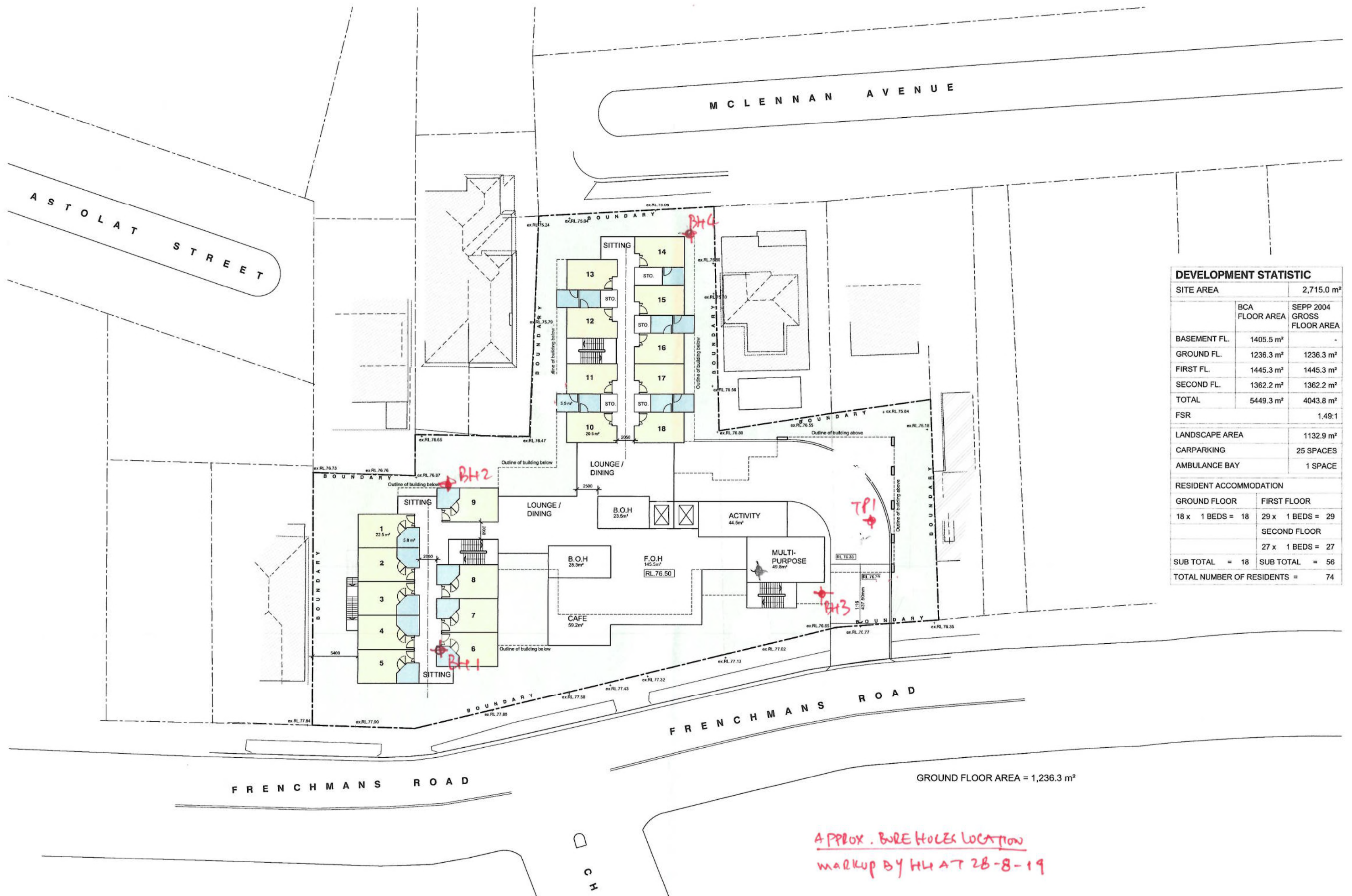
Parameters	Unit	PQL	EIL/ESL, Urban residential and public open space	Residential, Soil HIL B / HSL D	Recreational C, Soil HIL C/ HSL C
FRACTION 1	mg/kg	25	180	45	NL
Benzene	mg/kg	0.2	50	0.5	NL
Toluene	mg/kg	0.5	85	160	NL
Ethylbenzene	mg/kg	1	70	55	NL
Xylenes (total)	mg/kg		105	40	NL
Naphthalene	mg/kg	1	170	3	NL
FRACTION 2	mg/kg	50	120	110	
TRH >C16-C34	mg/kg	100	300		
TRH >C34-C40	mg/kg	100	2800		
Naphthalene	mg/kg	0.1	170	3	
Benzo(a)pyrene	mg/kg	0.05	0.6		
Benzo(a)pyrene TEQ	mg/kg	0.5		4	3
Total +ve	mg/kg	-		400	300
Total PCB	mg/kg	0.1		1	1
Arsenic	mg/kg	4	100	500	300
Cadmium	mg/kg	0.4		150	90
Chromium	mg/kg	1	410	500	300
Copper	mg/kg	1	210	30000	17000
Lead	mg/kg	1	1100	1200	600
Mercury	mg/kg	0.1		120	80
Nickel	mg/kg	1	170	1200	1200
Zinc	mg/kg	1	480	60000	30000
HCB	mg/kg	0.1		15	10
Heptachlor	mg/kg	0.1		10	10
Endosulfan I	mg/kg	0.1		90	70
pp-DDD	mg/kg	0.1		10	10
Endosulfan II	mg/kg	0.1		20	20
Endosulfan Sulphate	mg/kg	0.1		400	340
DDT (Total)	mg/kg	0.1	180		
DDT+DDE+DDD	mg/kg	0.1		600	400
Methoxychlor	mg/kg	0.1		500	400
Chlorpyrifos	mg/kg	0.1		340	250
Sample mass tested	g	-		NA	NA
Sample Description	-	-		NA	NA
Visual					
ACM >7mm Estimation	% (w/w)	0.01		0.04%	0.02%
FA and AF Estimation	%(w/w)	0.001		0.001%	0.001%

Project: 11-19 Frenchmans Road, Randwick
Client: Frenchmans Lodge Properties Pty Ltd
CES Project Number: CES190901-FRE
Table 8: Soil Analytical Results - HIL/HSL, EIL/ESL Assessment

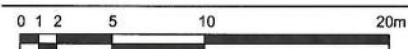
Sample ID	BH1	BH2	BH3
Depth (mbgl)	0/01/1900	0/01/1900	1/01/1900
Date Sampled	07/11/2019	06/11/2019	06/11/2019
Soil Unit	Fill	Fill	Fill
Laboratory report	230559	230559	230559

Parameters	Unit	PQL	EIL/ESL, Urban residential and public open space	Residential, Soil HIL B / HSL D	Recreational C, Soil HIL C/ HSL C			
FRACTION 1	mg/kg	25	180	45	NL	<25	<25	<25
Benzene	mg/kg	0.2	50	0.5	NL	<0.2	<0.2	<0.2
Toluene	mg/kg	0.5	85	160	NL	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	1	70	55	NL	<1	<1	<1
Xylenes (total)	mg/kg		105	40	NL	<1	<1	<1
Naphthalene	mg/kg	1	170	3	NL	<1	<1	<1
FRACTION 2	mg/kg	50	120	110		<50	<50	<50
TRH >C16-C34	mg/kg	100	300			<100	<100	<100
TRH >C34-C40	mg/kg	100	2800			<100	<100	<100
Naphthalene	mg/kg	0.1	170	3		<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.05	0.6			0.1	0.2	<0.05
Benzo(a)pyrene TEQ	mg/kg	0.5		4	3	<0.5	<0.5	<0.5
Total +ve	mg/kg	-		400	300	0.91	1.4	<0.05
Total PCB	mg/kg	0.1		1	1	<0.1	<0.1	<0.1
Arsenic	mg/kg	4	100	500	300	<4	<4	<4
Cadmium	mg/kg	0.4		150	90	<0.4	<0.4	<0.4
Chromium	mg/kg	1	410	500	300	5	7	6
Copper	mg/kg	1	210	30000	17000	2	15	8
Lead	mg/kg	1	1100	1200	600	11	290	18
Mercury	mg/kg	0.1		120	80	<0.1	<0.1	<0.1
Nickel	mg/kg	1	170	1200	1200	<1	2	1
Zinc	mg/kg	1	480	60000	30000	44	40	56
HCB	mg/kg	0.1		15	10	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1		10	10	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	0.1		90	70	<0.1	<0.1	<0.1
pp-DDD	mg/kg	0.1		10	10	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	0.1		20	20	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	0.1		400	340	<0.1	<0.1	<0.1
DDT (Total)	mg/kg	0.1	180			<0.1	<0.1	<0.1
DDT+DDE+DDD	mg/kg	0.1		600	400	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1		500	400	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	0.1		340	250	<0.1	<0.1	<0.1
Sample mass tested	g	-		NA	NA	440.2	247.25	283.95
Sample Description	.-	-		NA	NA	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks
Visual						No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation	% (w/w)	0.01		0.04%	0.02%	<0.01	<0.01	<0.01
FA and AF Estimation	%(w/w)	0.001		0.001%	0.001%	<0.001	<0.001	<0.001

Appendix A



DEVELOPMENT STATISTIC		
SITE AREA		2,715.0 m ²
	BCA FLOOR AREA	SEPP 2004 GROSS FLOOR AREA
BASEMENT FL.	1405.5 m ²	-
GROUND FL.	1236.3 m ²	1236.3 m ²
FIRST FL.	1445.3 m ²	1445.3 m ²
SECOND FL.	1362.2 m ²	1362.2 m ²
TOTAL	5449.3 m ²	4043.8 m ²
FSR		1.49:1
LANDSCAPE AREA		1132.9 m ²
CARPARKING		25 SPACES
AMBULANCE BAY		1 SPACE
RESIDENT ACCOMMODATION		
GROUND FLOOR		FIRST FLOOR
18 x 1 BEDS = 18		29 x 1 BEDS = 29
		SECOND FLOOR
		27 x 1 BEDS = 27
SUB TOTAL = 18	SUB TOTAL = 18	SUB TOTAL = 56
TOTAL NUMBER OF RESIDENTS =		74



boffa robertson group
11-19 FRENCHMANS ROAD, RANDWICK, NSW 2046
PH: 02 9550 1000 FAX: 02 9550 1001

FLOOR PLAN

SUMMIT CARE - 11-19 FRENCHMANS ROAD, RANDWICK
GROUND FLOOR PLAN

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Job No.	Dwg.No.	Rev.
1912	SK-02	1
July 11 2019		Scale 1:200 @ A1



Appendix B



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 01 Nov 2019 11:29:10

Reference: LS009314 EP

Address: 11-19 Frenchmans Road, Randwick, NSW 2031

Disclaimer:

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

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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
General area or suburb match	Georeferenced with the confidence of the general/approximate area
Road match	Georeferenced to the road or rail
Road intersection	Georeferenced to the road intersection
Feature is a buffered point	Feature is a buffered point
Land adjacent to geocoded site	Land adjacent to Georeferenced Site
Network of features	Georeferenced to a network of features

Dataset Listing

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

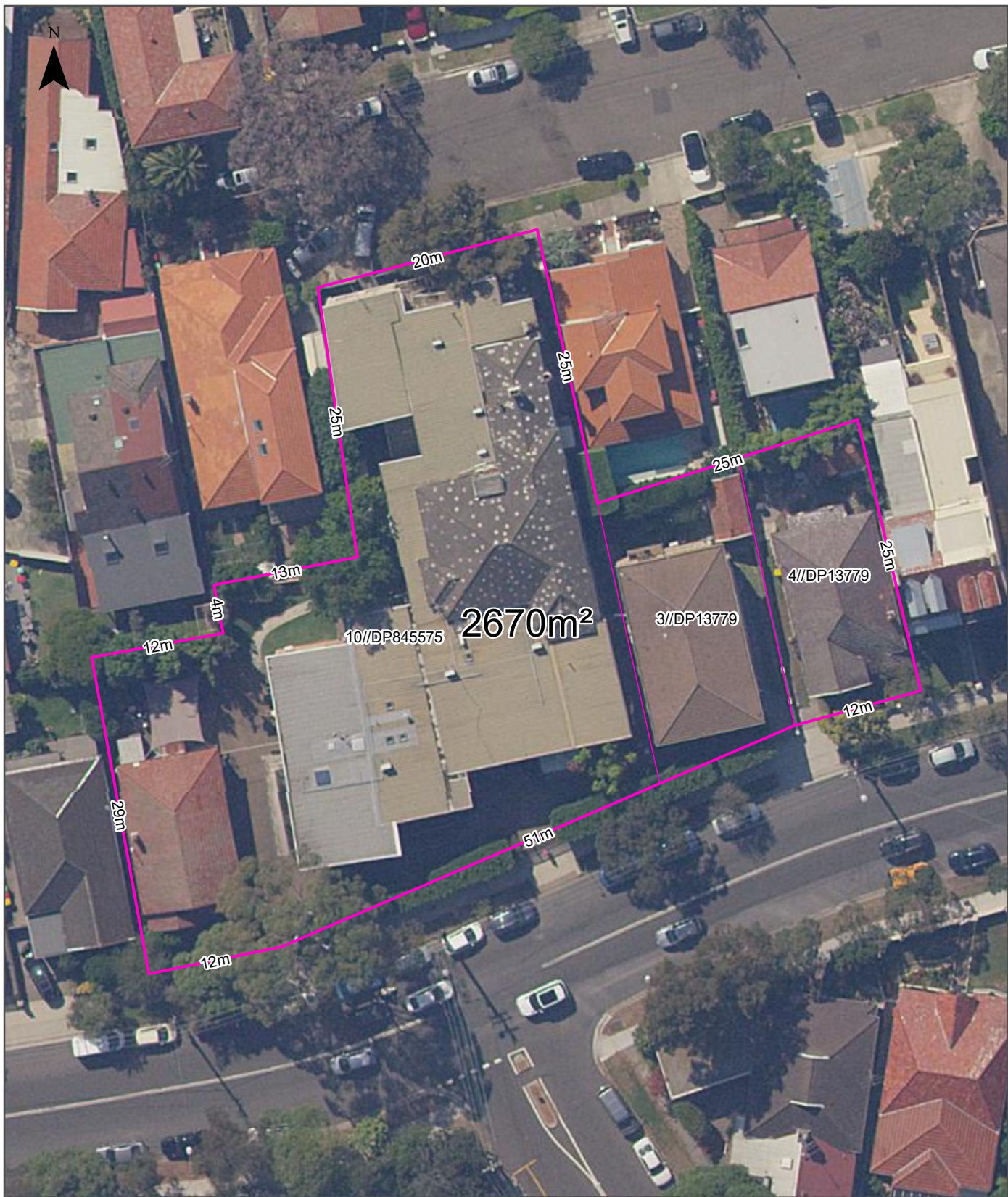
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Finance, Services & Innovation	01/11/2019	01/11/2019	Daily	-	-	-	-
Topographic Data	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	15/10/2019	15/10/2019	Monthly	1000	0	0	1
Contaminated Land Records of Notice	Environment Protection Authority	14/10/2019	14/10/2019	Monthly	1000	0	0	1
Former Gasworks	Environment Protection Authority	02/10/2019	11/10/2017	Monthly	1000	0	0	0
National Waste Management Facilities Database	Geoscience Australia	06/08/2019	07/03/2017	Quarterly	1000	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority	02/10/2019	02/10/2019	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program	Department of Defence	02/10/2019	02/10/2019	Monthly	2000	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	02/10/2019	02/10/2019	Monthly	2000	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	02/10/2019	02/10/2019	Monthly	2000	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	13/12/2018	13/12/2018	Annually	1000	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	25/10/2019	25/10/2019	Monthly	1000	0	0	1
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	25/10/2019	25/10/2019	Monthly	1000	0	0	1
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	25/10/2019	25/10/2019	Monthly	1000	0	0	4
UPSS Environmentally Sensitive Zones	Environment Protection Authority	14/04/2015	12/01/2010	As required	1000	1	1	1
UBD Business to Business Directory 1991 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	0	1
UBD Business to Business Directory 1991 (Road & Area Matches)	Hardie Grant			Not required	150	-	1	1
UBD Business to Business Directory 1986 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	1	3
UBD Business to Business Directory 1986 (Road & Area Matches)	Hardie Grant			Not required	150	-	2	2
UBD Business Directory 1982 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	2	4
UBD Business Directory 1982 (Road & Area Matches)	Hardie Grant			Not required	150	-	2	2
UBD Business Directory 1978 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	2	5
UBD Business Directory 1978 (Road & Area Matches)	Hardie Grant			Not required	150	-	3	3
UBD Business Directory 1975 (Premise & Intersection Matches)	Hardie Grant			Not required	150	1	4	4
UBD Business Directory 1975 (Road & Area Matches)	Hardie Grant			Not required	150	-	3	4
UBD Business Directory 1970 (Premise & Intersection Matches)	Hardie Grant			Not required	150	1	4	4
UBD Business Directory 1970 (Road & Area Matches)	Hardie Grant			Not required	150	-	0	2
UBD Business Directory 1965 (Premise & Intersection Matches)	Hardie Grant			Not required	150	1	6	7
UBD Business Directory 1965 (Road & Area Matches)	Hardie Grant			Not required	150	-	1	3
UBD Business Directory 1961 (Premise & Intersection Matches)	Hardie Grant			Not required	150	1	8	10

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
UBD Business Directory 1961 (Road & Area Matches)	Hardie Grant			Not required	150	-	5	6
UBD Business Directory 1950 (Premise & Intersection Matches)	Hardie Grant			Not required	150	1	7	12
UBD Business Directory 1950 (Road & Area Matches)	Hardie Grant			Not required	150	-	11	14
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500	0	3	242
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500	-	40	69
Points of Interest	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	Quarterly	1000	1	1	60
Tanks (Areas)	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	Quarterly	1000	0	0	0
Tanks (Points)	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	Quarterly	1000	0	0	0
Major Easements	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	Quarterly	1000	0	2	3
State Forest	NSW Department of Finance, Services & Innovation	18/01/2018	18/01/2018	As required	1000	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	16/01/2019	14/11/2018	Annually	1000	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	1
Botany Groundwater Management Zones	NSW Department of Primary Industries	15/03/2018	01/10/2005	As required	1000	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	2000	0	0	108
Geological Units 1:100,000	NSW Dept. of Industry, Resources & Energy	20/08/2014		None planned	1000	2	-	4
Geological Structures 1:100,000	NSW Dept. of Industry, Resources & Energy	20/08/2014		None planned	1000	0	-	7
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000	0	0	0
Soil Landscapes	NSW Office of Environment & Heritage	12/08/2014		None planned	1000	1	-	6
Atlas of Australian Soils	ABARES	19/05/2017	17/02/2011	As required	1000	1	1	3
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning and Environment	24/10/2019	11/10/2019	Weekly	500	0	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	1	1	3
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000	0	0	0
Dryland Salinity Potential of Western Sydney	NSW Office of Environment & Heritage	12/05/2017	01/01/2002	None planned	1000	-	-	-
Mining Subsidence Districts	NSW Department of Finance, Services & Innovation	11/04/2019	11/04/2019	Quarterly	1000	0	0	0
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning and Environment	24/10/2019	07/12/2018	Weekly	1000	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning and Environment	24/10/2019	18/10/2019	Weekly	1000	1	3	78
Commonwealth Heritage List	Australian Government Department of the Environment and Energy - Heritage Branch	16/01/2019	31/07/2018	Unknown	1000	0	0	0
National Heritage List	Australian Government Department of the Environment and Energy - Heritage Branch	16/01/2019	28/09/2018	Unknown	1000	0	0	1
State Heritage Register - Curtilages	NSW Office of Environment & Heritage	14/10/2019	09/11/2018	Quarterly	1000	0	0	0
Environmental Planning Instrument Heritage	NSW Department of Planning and Environment	24/10/2019	11/10/2019	Weekly	1000	0	12	219
Bush Fire Prone Land	NSW Rural Fire Service	28/08/2019	03/06/2019	Quarterly	1000	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Native Vegetation of the Sydney Metropolitan Area	NSW Office of Environment & Heritage	01/03/2017	16/12/2016	As required	1000	0	1	5
Ramsar Wetlands of Australia	Commonwealth of Australia Department of the Environment	08/10/2014	24/06/2011	As required	1000	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	0
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	0
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	01/11/2019	01/11/2019	Weekly	10000	-	-	-

Site Diagram

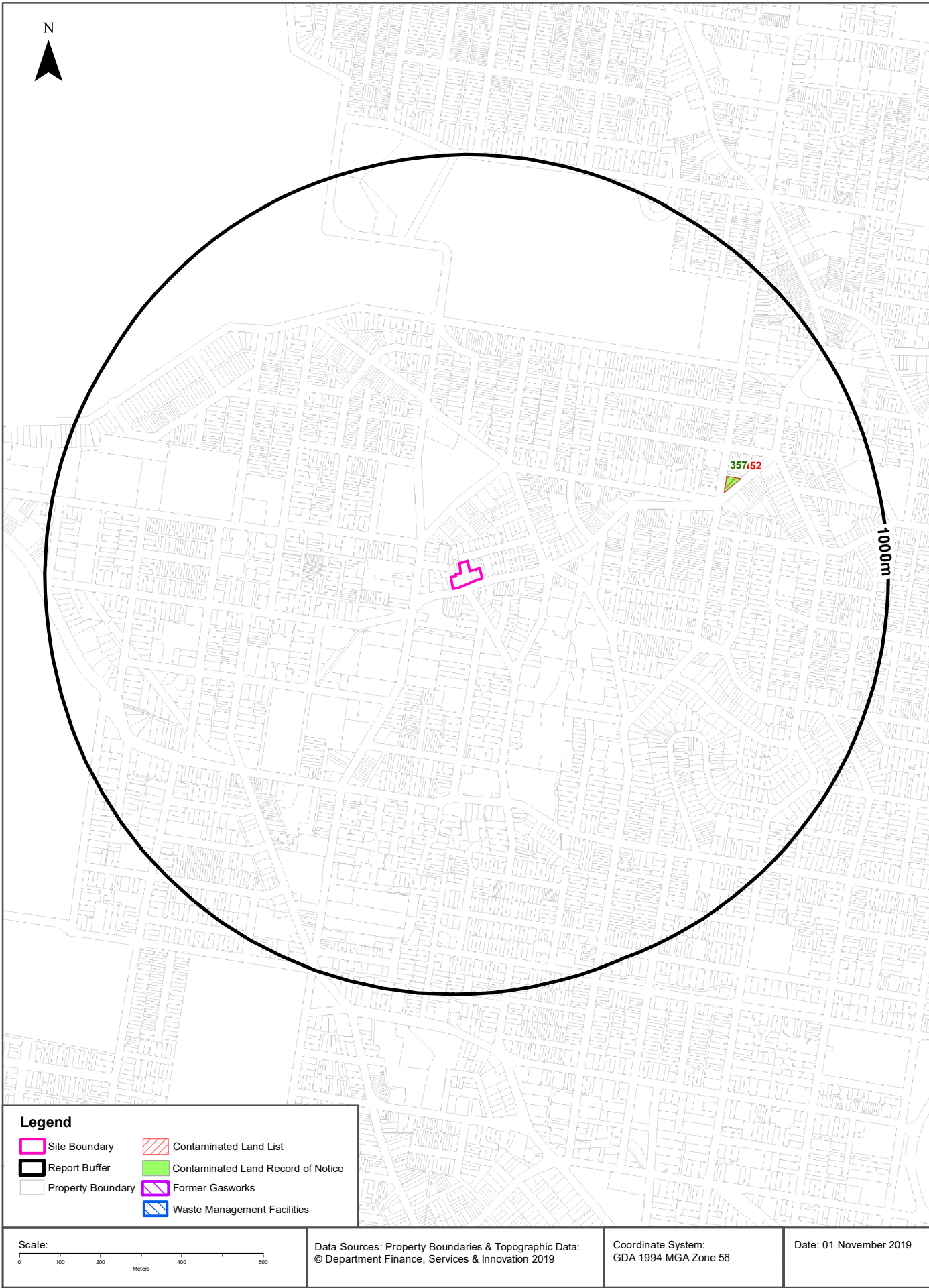
11-19 Frenchmans Road, Randwick, NSW 2031



Legend <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	Total Area: 2670m ² Total Perimeter: 259m <small>Disclaimers:</small> Measurements are approximate only and may have been simplified or smaller lengths removed for readability. Parcels that make up less than 5.0% of the total site area have not been labelled for increased legibility.	Scale: 0 12.5 25 Meters Data Sources: Aerial Imagery: © NSW Department Finance, Services & Innovation 2019 <div><div>Coordinate System: GDA 1994 MGA Zone 56</div><div>Date: 01 November 2019</div></div>
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Contaminated Land & Waste Management Facilities

11-19 Frenchmans Road, Randwick, NSW 2031



Contaminated Land & Waste Management Facilities

11-19 Frenchmans Road, Randwick, NSW 2031

List of NSW contaminated sites notified to EPA

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

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist (m)	Direction
13452	Service Station, Randwick	33-37 Carrington Road	Randwick	Service Station	Contamination currently regulated under CLM Act	Current EPA List	Premise Match	628m	East

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

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

NSW EPA Contaminated Land List Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Contaminated Land & Waste Management Facilities

11-19 Frenchmans Road, Randwick, NSW 2031

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
357	Service Station, Randwick	33-37 Carrington Road	Randwick	4 current	3327	Premise Match	628m	East

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit
<http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm>

Former Gasworks

Former Gasworks within the dataset buffer:

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

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

National Waste Management Site Database

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

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

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

PFAS Investigation Sites

11-19 Frenchmans Road, Randwick, NSW 2031

EPA PFAS Investigation Program

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

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

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

Defence PFAS Investigation & Management Program

Sites being investigated or 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 Investigation & Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

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

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

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

11-19 Frenchmans Road, Randwick, NSW 2031

Defence 3 Year Regional Contamination Investigation Program

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

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

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

EPA Other Sites with Contamination Issues

11-19 Frenchmans Road, Randwick, NSW 2031

EPA Other Sites with Contamination Issues

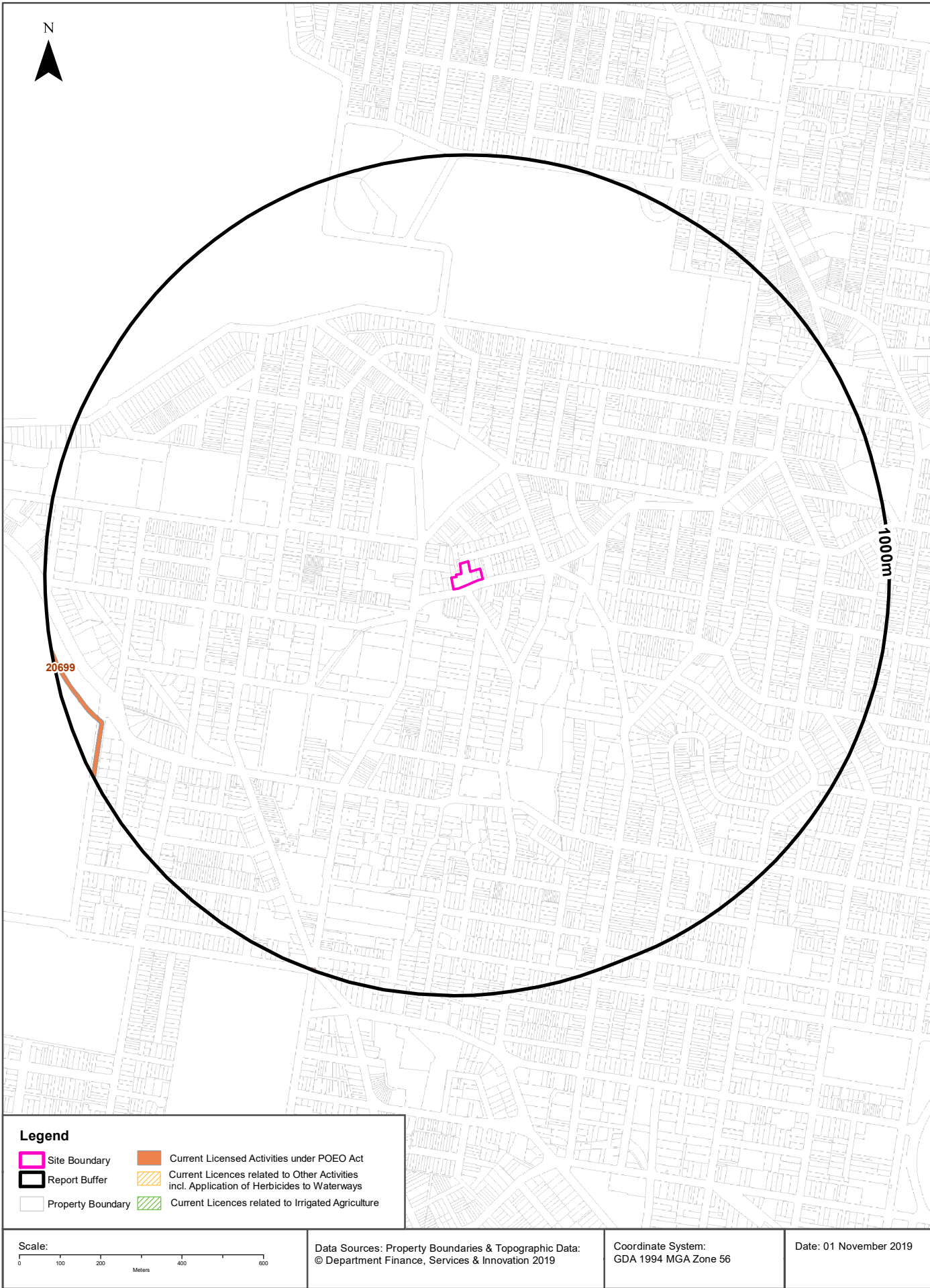
This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

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

Sites within the dataset buffer:

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

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



EPA Activities

11-19 Frenchmans Road, Randwick, NSW 2031

Licensed Activities under the POEO Act 1997

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

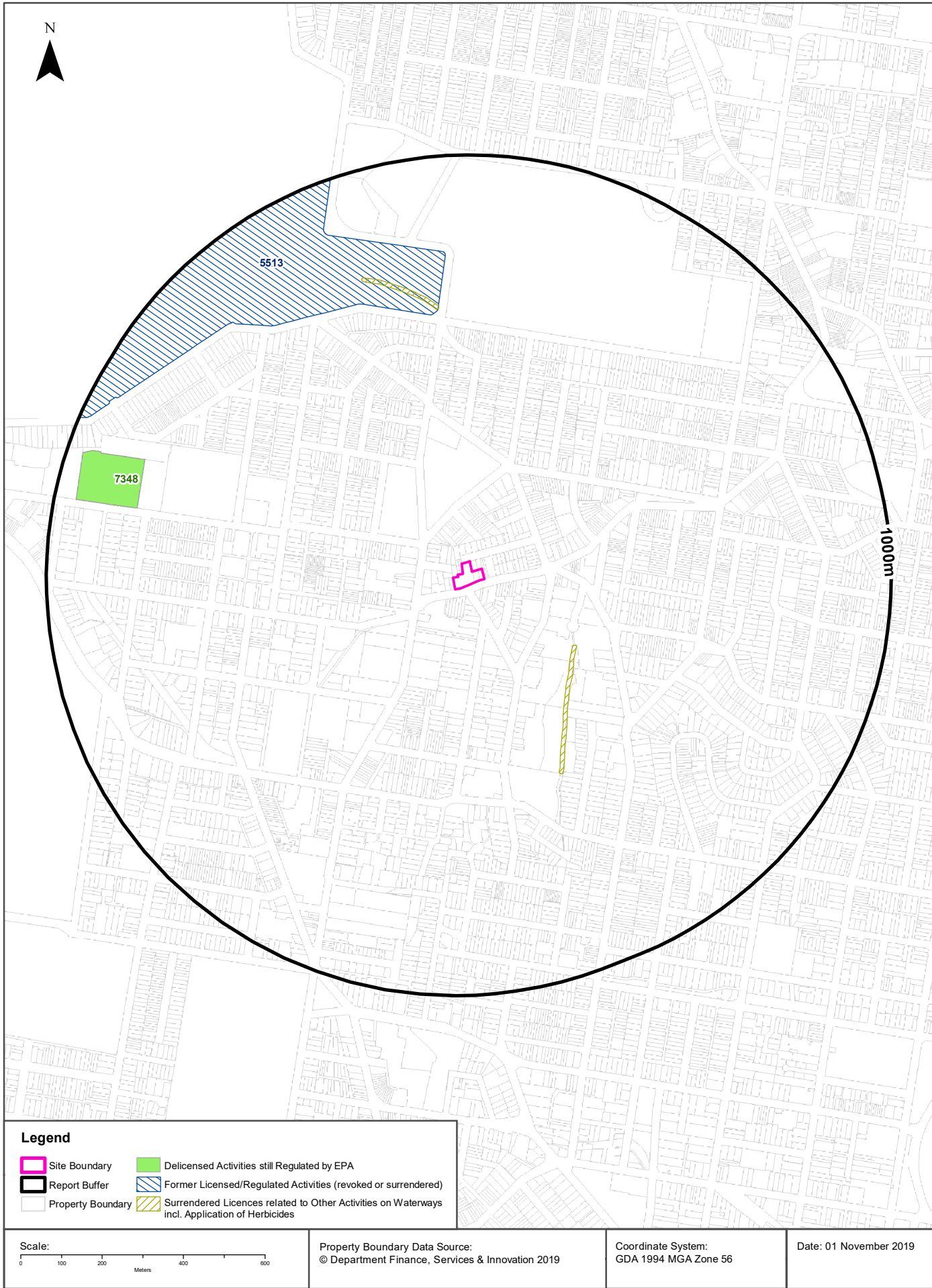
EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
20699	ACCIONA INFRASTRUCTUR E AUSTRALIA PTY LTD	CBD and South East Light Rail	CBD and South East Light Rail Alignment and Ancillary Sites	SYDNEY	Land-based extractive activity	Network of Features	920m	West

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

11-19 Frenchmans Road, Randwick, NSW 2031



EPA Activities

11-19 Frenchmans Road, Randwick, NSW 2031

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
7348	STATE TRANSIT AUTHORITY OF NSW	STATE TRANSIT AUTHORITY	36 KING ST	RANDWICK	Hazardous, Industrial or Group A Waste Generation or Storage	Premise Match	796m	West

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

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

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

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	273m	-
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	273m	-
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	273m	-
5513	CENTENNIAL PARK AND MOORE PARK TRUST	Oxford Street, PADDINGTON, NSW 2021	Surrendered	21/06/2000	Other activities; Non-scheduled activity - Application of Herbicide(s)	General Area/ Suburb Match	614m	North West

Former Licensed Activities Data Source: Environment Protection Authority
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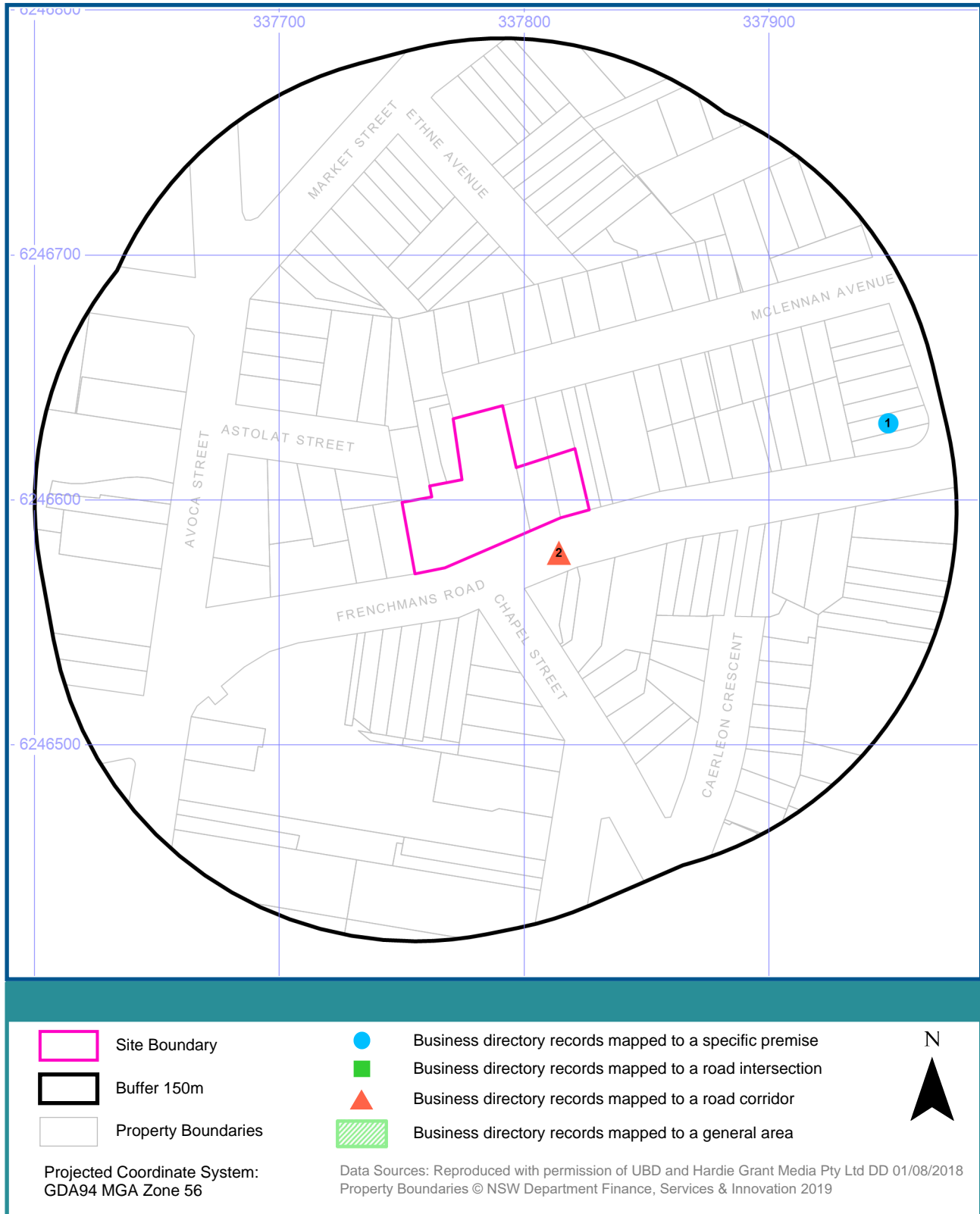


Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1991 Business to Business Directory Records



Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1991 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1991 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	Motor Garages & Service Stations	Five Ways Auto Port, 43 Frenchmans Rd., Randwick 2031	97268	Premise Match	111m	East

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1991 Business to Business Directory Records Road or Area Matches

Records from the 1991 UBD Business to Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
2	Motor Garages & Service Stations	Five Ways Auto Port, Frenchmans Rd., Randwick 2031	97262	Road Match	0m

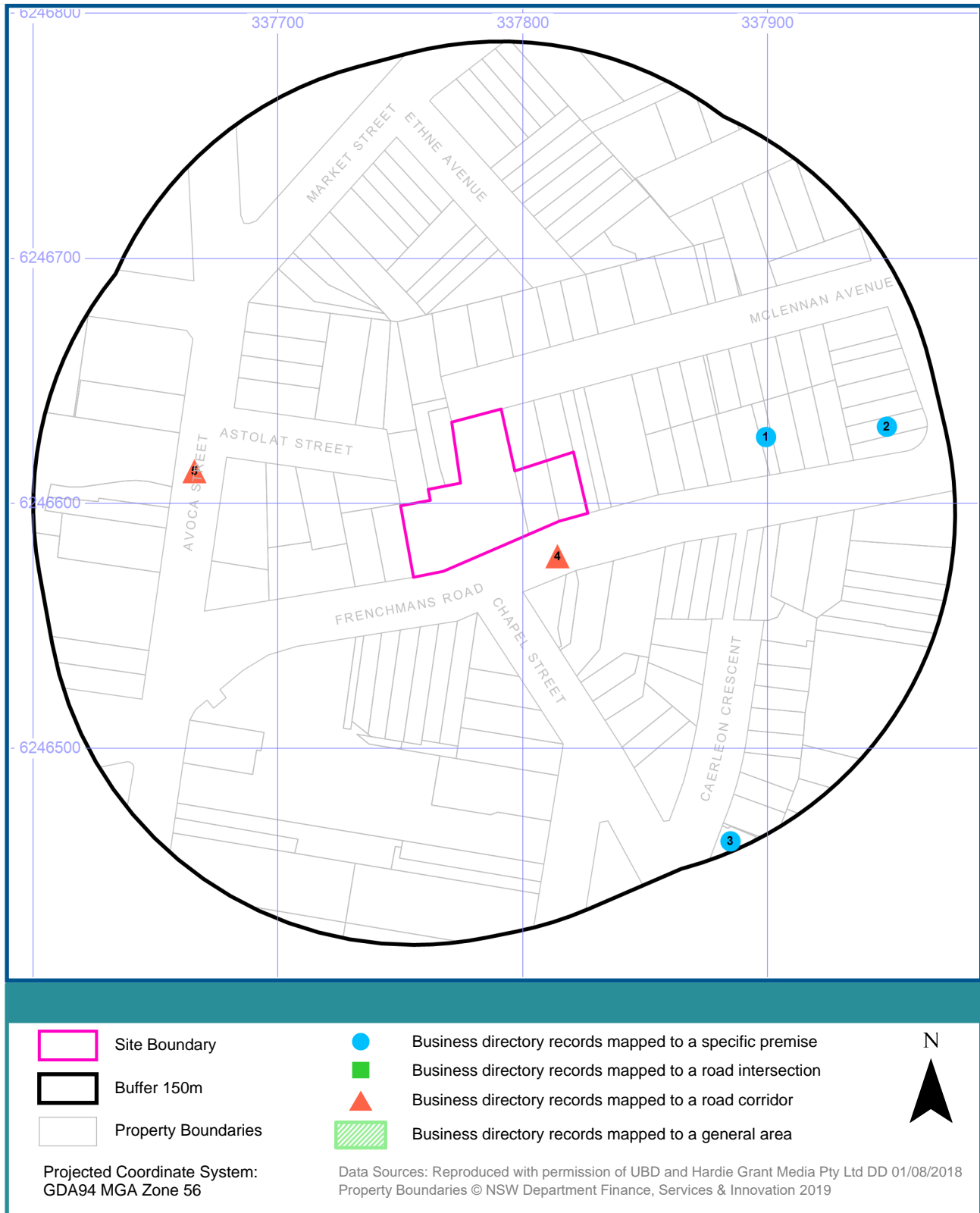
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1986 Business to Business Directory Records



Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1986 Business to Business Directory Records Premise or Road Intersection Matches

Records from the 1986 UBD Business to Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	MEDICAL PRACTITIONERS.	Burns, R., 37 Frenchmans Rd., Randwick. 2031	53919	Premise Match	75m	East
2	MOTOR GARAGES & SERVICE STATIONS.	Five Ways Auto Port, 43 Frenchmans Rd., Randwick. 2031	64702	Premise Match	111m	East
3	PODIATRISTS.	Lester, M, 11 Chapel St., Randwick. 2031	75398	Premise Match	139m	South East

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1986 Business to Business Directory Records Road or Area Matches

Records from the 1986 UBD Business to Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
4	MOTOR GARAGES & SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	64700	Road Match	0m
5	MOTOR GARAGES & SERVICE STATIONS.	Avoca Rae Service Station, Avoca St., Randwick. 2031	63996	Road Match	73m

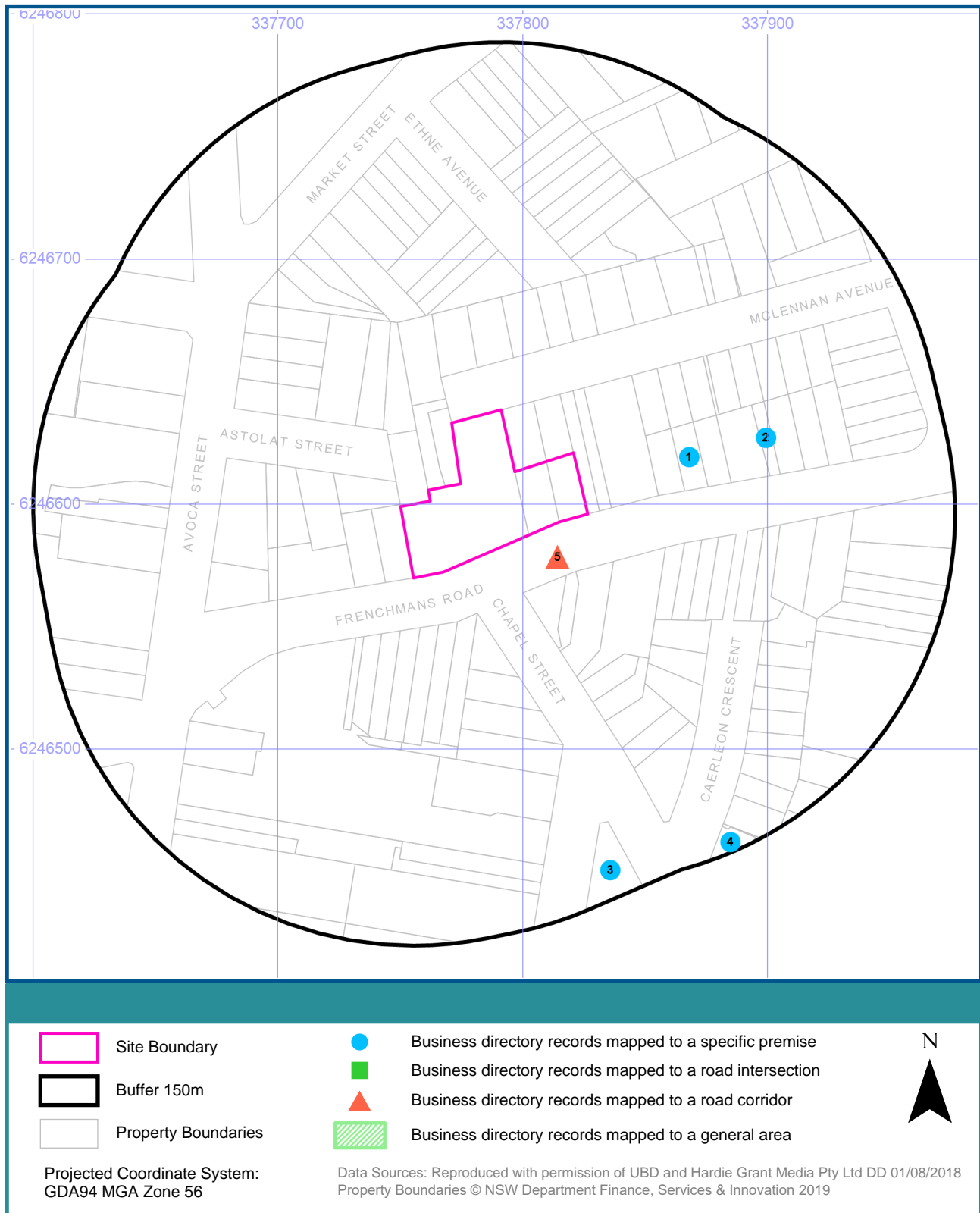
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1982 Business Directory Records



Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1982 Business Directory Records Premise or Road Intersection Matches

Records from the 1982 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	PLUMBERS, GASFITTERS &/OR DRAINLAYERS. (P6680)	Foster, R. T., 31 Frenchmans Rd., Randwick. 2031.	65146	Premise Match	41m	East
2	MEDICAL PRACTITIONERS. (M2020)	Burns, R, 37 Frenchmans Rd., Randwick. 2031.	47393	Premise Match	75m	East
3	HOTELS - PRIVATE. (H7200)	Ostara, 1 Dutruc St., Randwick. 2031.	41199	Premise Match	119m	South
4	CHIROPODISTS. (C4335)	Lester, M., 11 Chapel St., Randwick. 2031.	16025	Premise Match	139m	South East

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1982 Business Directory Records Road or Area Matches

Records from the 1982 UBD Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
5	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031,	56766	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031.	56768	Road Match	0m

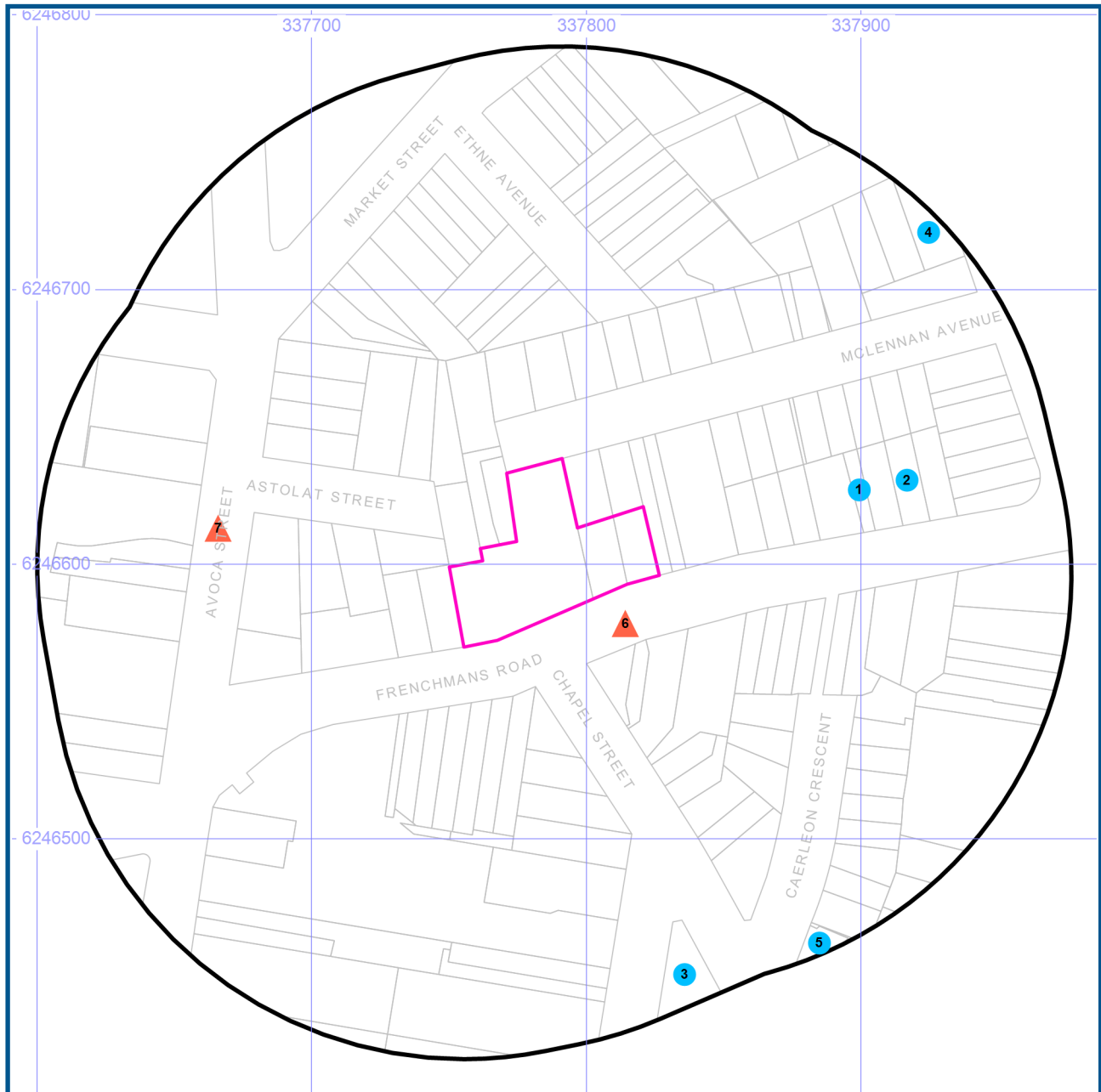
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1978 Business Directory Records



- Site Boundary
- Buffer 150m
- Property Boundaries

Projected Coordinate System:
GDA94 MGA Zone 56

- 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



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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1978 Business Directory Records Premise or Road Intersection Matches

Records from the 1978 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	MEDICAL PRACTITIONERS.	Burns. R., 37 Frenchmans Rd., Randwick. 2031	42316	Premise Match	75m	East
2	DRESSMAKERS &/OR COSTUMIERS.	Delves-Deffee, A.N., 41 Frenchmans Rd., Randwick. 2031	20584	Premise Match	90m	East
3	HOTELS-PRIVATE.	Ostara, 1 Dutruc Rd., Randwick. 2031	36543	Premise Match	119m	South
4	TYPEWRITER DEALERS &/OR REPAIRERS.	Proudfoot, A, 1 Fraser St, Randwick. 2031	72749	Premise Match	134m	North East
5	CHIROPODISTS.	Lester, M., 11 Chapel St., Randwick. 2031	14192	Premise Match	139m	South East

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1978 Business Directory Records Road or Area Matches

Records from the 1978 UBD Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
6	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	50052	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	50055	Road Match	0m
7	MEDICAL PRACTITIONERS.	Bowring, A.C., Avoca St., Randwick. 2031	42236	Road Match	73m

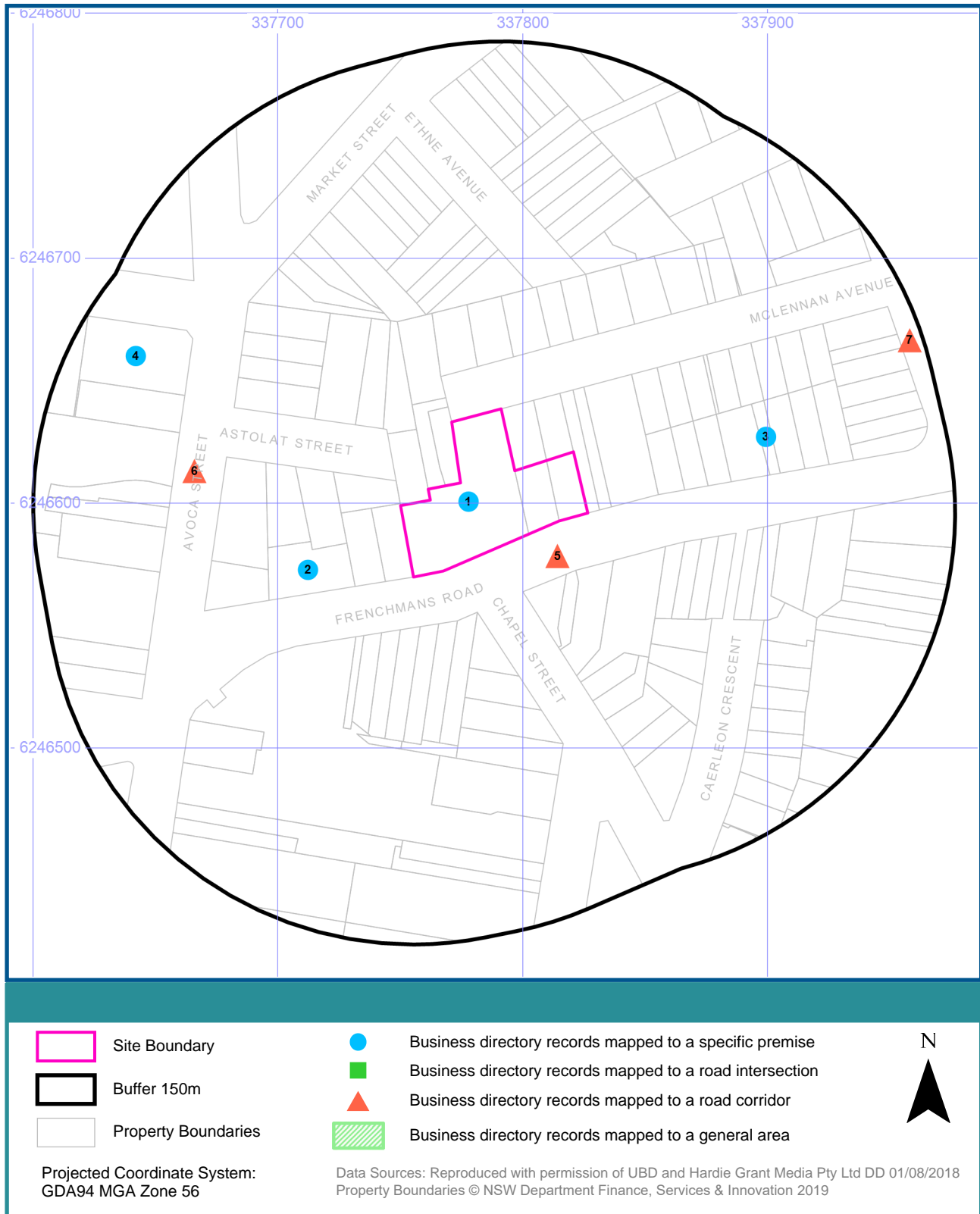
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1975 Business Directory Records



Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1975 Business Directory Records Premise or Road Intersection Matches

Records from the 1975 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	HOMES &/OR INSTITUTIONS.	Wentworth Convalescent & Rest Home., 15 Frenchmans Rd., Randwick. 2031	42395	Premise Match	0m	On-site
2	DRAPER-RETAIL	Renee's Bargain Centre, 5 Frenchmans Rd., Randwick. 2031	22626	Premise Match	24m	West
3	MEDICAL PRACTITIONERS.	Burns, R., 37 Frenchmans Rd., Randwick. 2031.	49853	Premise Match	75m	East
4	HOMES &/OR INSTITUTIONS.	Kia-Ora., 34 Avoca St., Randwick. 2031	42332	Premise Match	99m	West

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1975 Business Directory Records Road or Area Matches

Records from the 1975 UBD Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
5	MOTOR SERVICE STATIONS - PETROL, OIL	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031	61750	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Fiveways Auto Port., Frenchmans Rd., Randwick. 2031	58878	Road Match	0m
6	SCHOOLS-KINDERGARTEN, DAY NURSERY.	Bib & Bub Nursery., Avoca St., Randwick. 2031	75950	Road Match	73m
7	MEDICAL PRACTITIONERS.	Ayst, H., 106 Clovelly Rd., Randwick. 2031.	49633	Road Match	141m

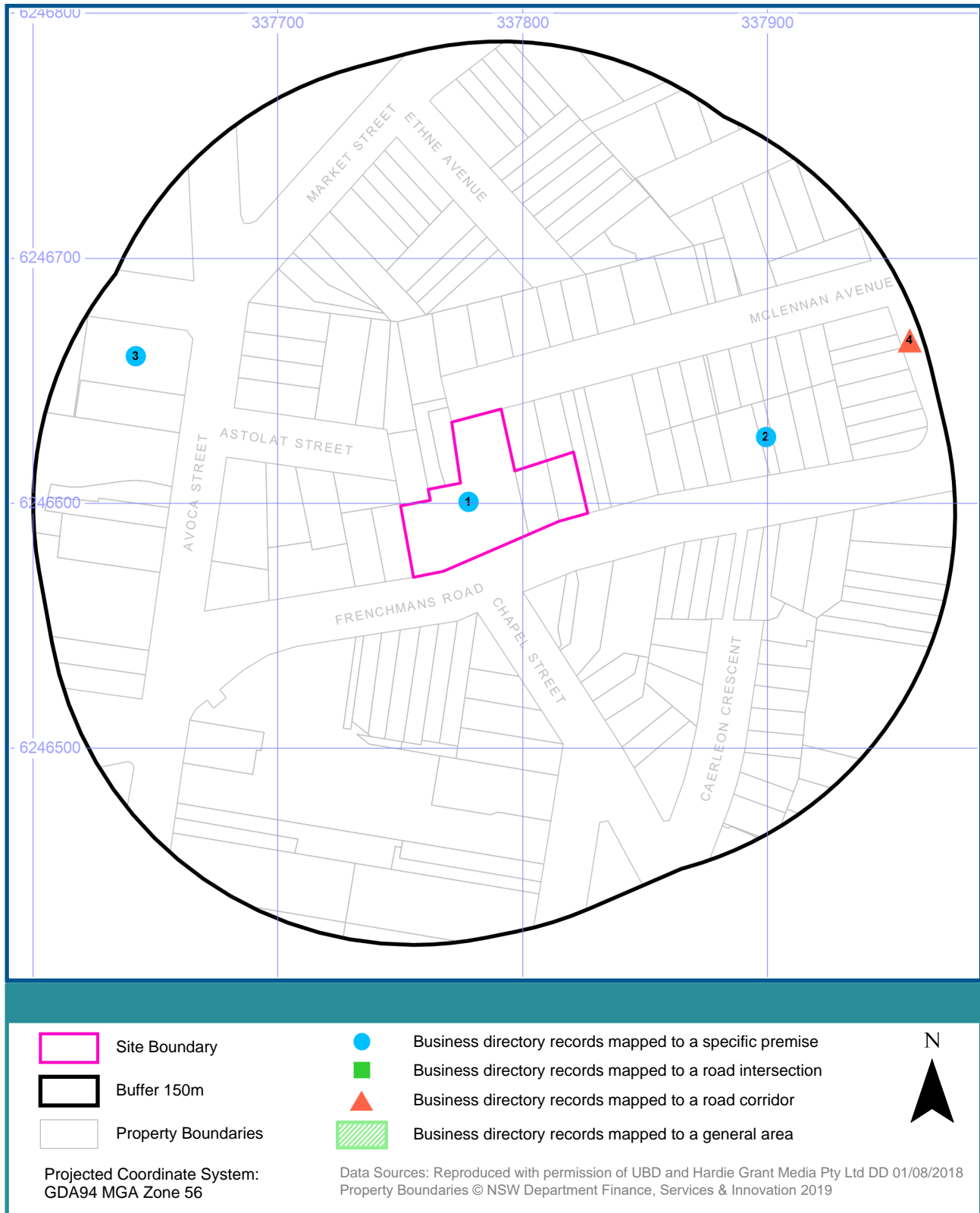
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1970 Business Directory Records



Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1970 Business Directory Records Premise or Road Intersection Matches

Records from the 1970 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	HOMES & INSTITUTIONS (H490)	Wentworth Convalescent & Rest Home., 15 Frenchmans Rd., Randwick	316477	Premise Match	0m	On-site
2	MEDICAL PRACTITIONERS (M216)	Burns, F. A., 37 Frenchmans Rd., Randwick	326345	Premise Match	75m	East
	MEDICAL PRACTITIONERS (M216)	Burns, Robert., 37 Frenchmans Rd., Randwick	326347	Premise Match	75m	East
3	HOMES & INSTITUTIONS (H490)	Kia-Ora., 34 Avoca St., Randwick	316573	Premise Match	99m	West

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1970 Business Directory Records Road or Area Matches

Records from the 1970 UBD Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
4	MEDICAL PRACTITIONERS (M216)	Gayst, Henry., 106 Clovelly Rd., Randwick	326911	Road Match	141m
	LIBRARIES-LENDING (L450)	Randwick Literary Institute., Clovelly Rd., Randwick	323250	Road Match	141m

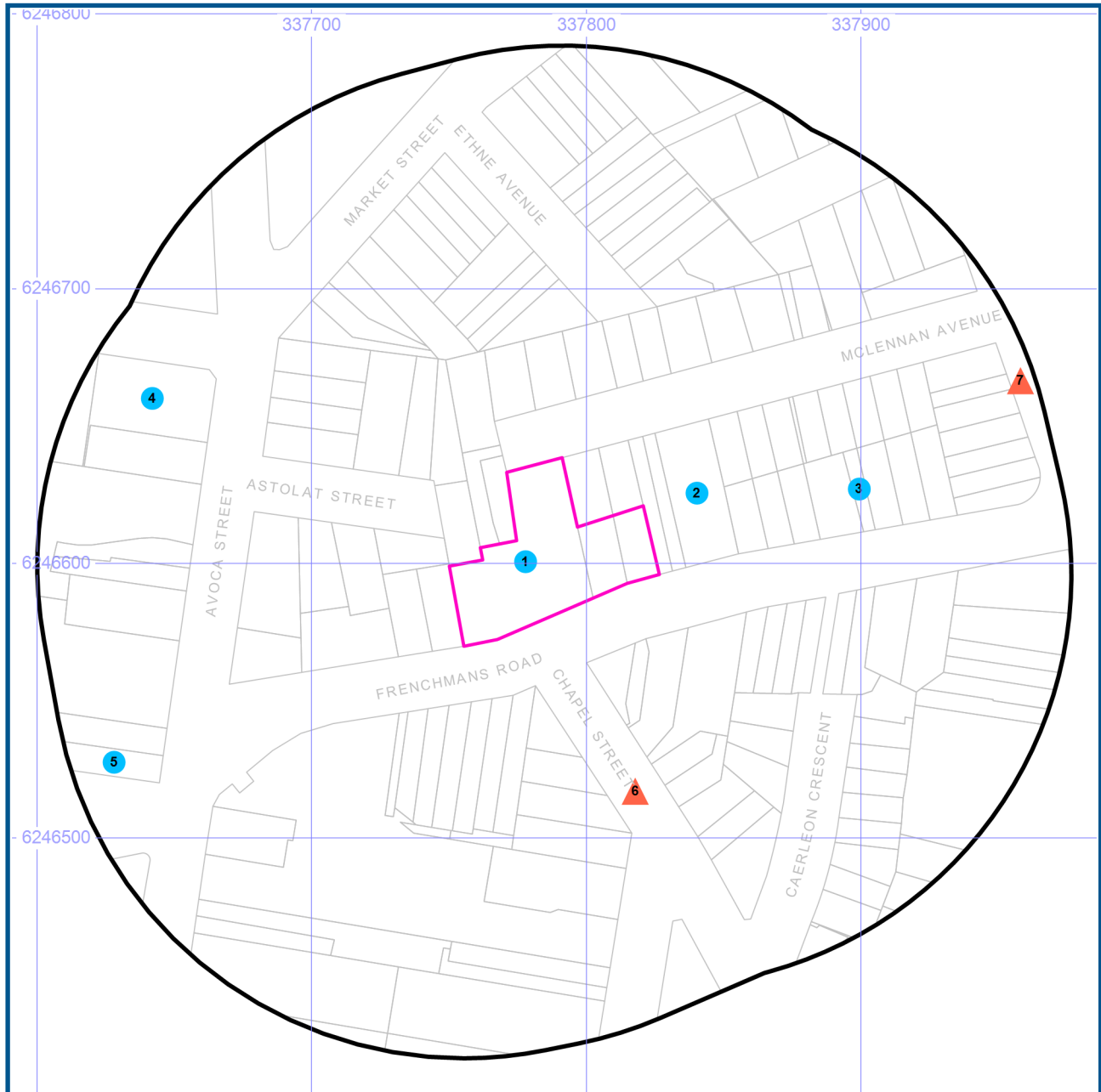
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1965 Business Directory Records



- Site Boundary
- Buffer 150m
- Property Boundaries

Projected Coordinate System:
GDA94 MGA Zone 56

- 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



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Property Boundaries © NSW Department Finance, Services & Innovation 2019

Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1965 Business Directory Records Premise or Road Intersection Matches

Records from the 1965 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	Homes & Institutions	Wentworth Convalescent & Rest Home, 15 Frenchmans Rd., Randwick	100631	Premise Match	0m	On-site
2	Medical Practitioners	King, E. Trevor., 25-27 Frenchmans Rd., Randwick	111853	Premise Match	10m	North East
	Hospitals - Private	Wilson, M. C., 25 Frenchmans Rd., Randwick	101070	Premise Match	10m	North East
3	Medical Practitioners	Burns, F. A., 37 Frenchmans Rd., Randwick	110942	Premise Match	75m	East
	Medical Practitioners	Burns, Robert, 37 Frenchmans Rd., Randwick	110944	Premise Match	75m	East
4	Homes & Institutions	Kia-Ora, 34 Avoca St., Randwick	100554	Premise Match	99m	West
5	Medical Practitioners	Cerexhe, Gordon, 60 Avoca St., Randwick	111016	Premise Match	116m	South West

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1965 Business Directory Records Road or Area Matches

Records from the 1965 UBD Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
6	Hospitals - Private	"Netherleigh", Chapel St., Randwick	100986	Road Match	21m
7	Medical Practitioners	Gayst, Henry, 106 Clovelly Rd., Randwick	111448	Road Match	141m
	Libraries - Lending	Randwick Literary Institute, Clovelly Rd., Randwick	107783	Road Match	141m

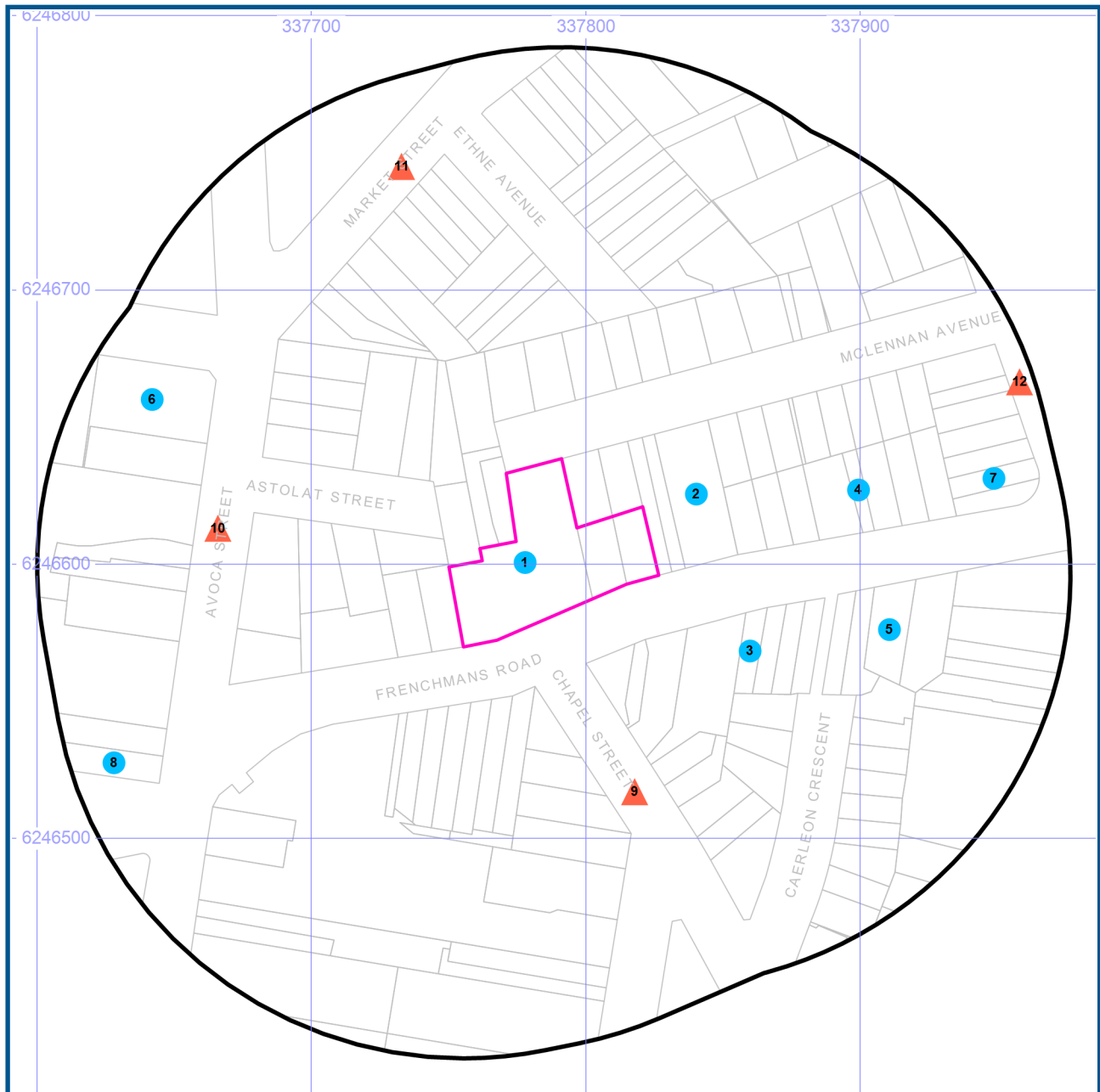
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1961 Business Directory Records



- Site Boundary
- Buffer 150m
- Property Boundaries

Projected Coordinate System:
GDA94 MGA Zone 56

- 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



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Property Boundaries © NSW Department Finance, Services & Innovation 2019

Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1961 Business Directory Records Premise or Road Intersection Matches

Records from the 1961 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	HOMES & INSTITUTIONS	"Wentworth" Convalescent & Rest Home, 15 Frenchmans Rd., Randwick	324415	Premise Match	0m	On-site
2	MEDICAL PRACTITIONERS	Brass, R., 25 Frenchmans Rd., Randwick	334640	Premise Match	10m	North East
	MEDICAL PRACTITIONERS	Warnock, C. M., 25 Frenchmans Rd., Randwick	336573	Premise Match	10m	North East
	HOSPITALS-PRIVATE	Wilson, M. C., 25 Frenchmans Rd., Randwick	324839	Premise Match	10m	North East
3	PRINTERS-LETTERPRESS	Fitzpatrick, F. W., 22 Frenchmans Rd., Randwick	362173	Premise Match	35m	South East
4	MEDICAL PRACTITIONERS	Duncan, G. J., 37 Frenchmans Rd., Randwick	335014	Premise Match	75m	East
5	DENTISTS	Mitchell, W. L., 34 Frenchmans Rd., Randwick	296223	Premise Match	78m	East
6	HOMES & INSTITUTIONS	Kia-Ora, 34 Avoca St., Randwick	324473	Premise Match	99m	West
7	MILK, FRUIT JUICE BARS/CONFECTIONERS	Theatre Shop (The), 45 Frenchmans Rd., Randwick	339686	Premise Match	111m	East
8	MEDICAL PRACTITIONERS	Cerexhe, Gordon, 60 Avoca St., Randwick	334769	Premise Match	116m	South West

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1961 Business Directory Records Road or Area Matches

Records from the 1961 UBD Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
9	HOSPITALS-PRIVATE	"Netherleigh", Chapel St., Randwick	324725	Road Match	21m
10	COLOUR CHART MFRS.	Multitone Colour Productions Pty. Ltd., Avoca St., Randwick	292072	Road Match	73m
	MIXED BUSINESS	Whalley, B. K., 341 Avoca St., Randwick South	342740	Road Match	73m
11	MOTOR GARAGES & ENGINEERS	Howarth, F., Market St. RANDWICK	347400	Road Match	95m
	MOTOR CARBURETTOR/TUNING SPECIALISTS	Howarth, F., Market St., Randwick	345591	Road Match	95m
12	LIBRARIES—LENDING	Randwick Literary Institute, Clovelly Rd., Randwick	331544	Road Match	141m

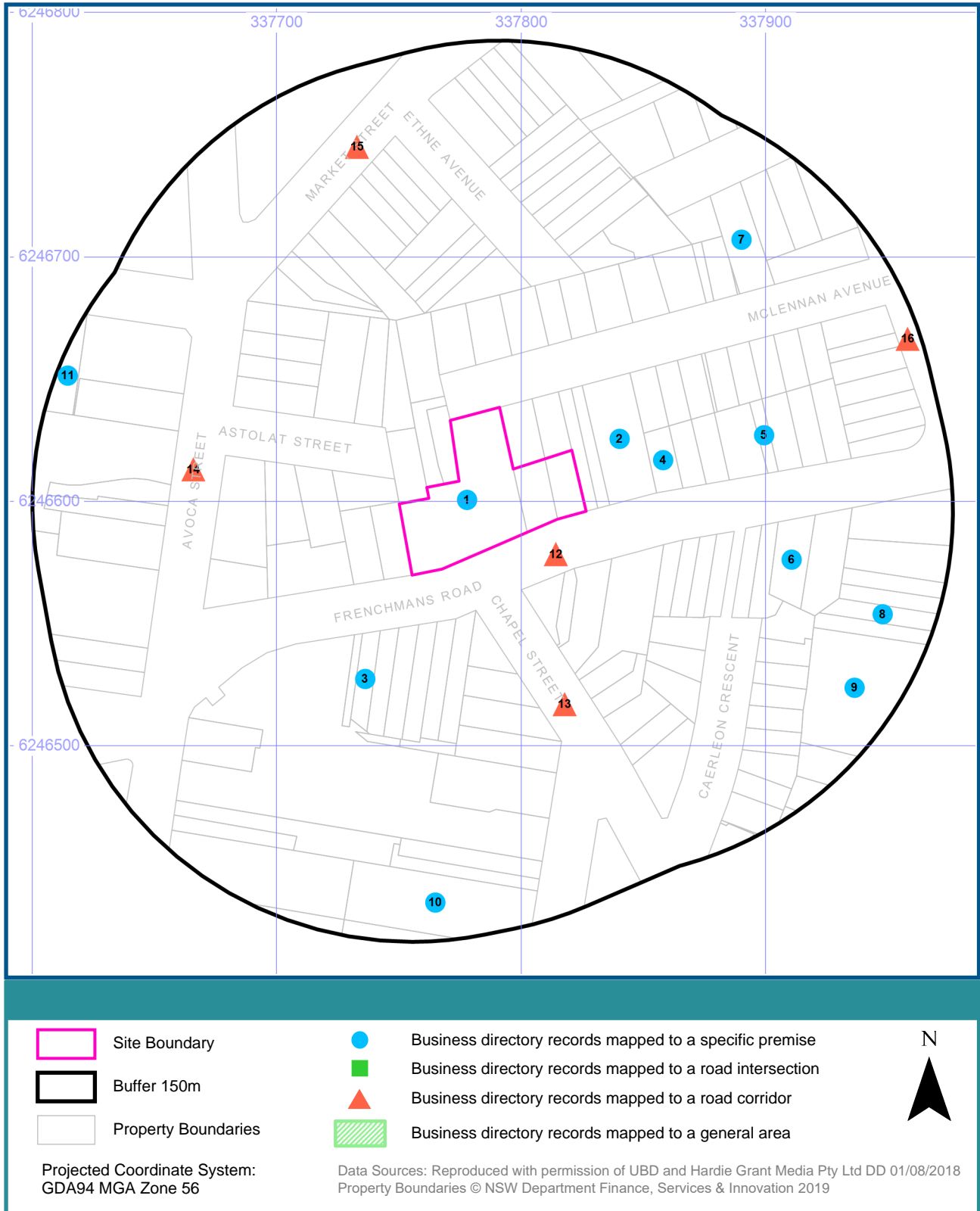
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Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031



1950 Business Directory Records



Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

1950 Business Directory Records Premise or Road Intersection Matches

Records from the 1950 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	HOSPITALS-PRIVATE	Glendeen Private Hospital, 15 Frenchmans Rd., Randwick	62654	Premise Match	0m	On-site
2	MEDICAL PRACTITIONERS	Liggins, W. F. L., 25 Frenchmans Rd., Randwick	73282	Premise Match	10m	North East
3	VALUERS	Williams, Whyte and Bardon Pty. Ltd., 2 Frenchmans Rd., Randwick	111767	Premise Match	26m	South West
4	ENGINEERS-HOT WATER, HEATING & VENTILATING	Burt. A., 29 Frenchmans Rd., Randwick	41497	Premise Match	30m	East
5	MEDICAL PRACTITIONERS	Duncan, G. J., 37 Frenchmans Rd., Randwick	72803	Premise Match	75m	East
6	DENTISTS	Mitchell, W. L., 34 Frenchmans Rd., Randwick	32131	Premise Match	78m	East
7	MEDICAL PRACTITIONERS	Robey, A. L., 9 Fraser St., Randwick	73701	Premise Match	94m	North East
8	TAXIS	Austin, C. B., 12 St. Marks Rd., Randwick	107268	Premise Match	104m	East
9	DRIVE YOURSELF CAR SERVICES	Graham's Drive Yourself Service, 14-18 St. Marks Rd., Randwick	34946	Premise Match	104m	South East
10	RIDING SCHOOLS	Ascot Riding School, 12 Dutruc St., Randwick	99526	Premise Match	119m	South
	CARRIERS & CARTAGE CONTRACTORS	Schutt, J., 12 Dutruc St., Randwick	19733	Premise Match	119m	South
11	FLATS, RESIDENTIALS, Etc.	Grosvenor Flats, 31 Stanley St., Randwick	45156	Premise Match	138m	West

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1950 Business Directory Records Road or Area Matches

Records from the 1950 UBD Business Directory, 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.	Location Confidence	Distance to Road Corridor or Area
12	HOTELS-LICENSED	Duke of Gloucester Hotel, Frenchmans Rd., Randwick	63037	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, Etc.	Foyle Service Station (Ken. Moore, Propr.), Frenchmans Rd., Randwick	85973	Road Match	0m
	MEDICAL PRACTITIONERS	McQuiggan, H. G., Frenchmans Rd., Randwick	73442	Road Match	0m
13	HOSPITALS-PRIVATE	"Netherleigh", Chapel St., Randwick	62620	Road Match	21m
14	CARRIERS & CARTAGE CONTRACTORS	Ace Taxi Truck (J. Ryan, Propr.), Avoca St., Randwick	18280	Road Match	73m

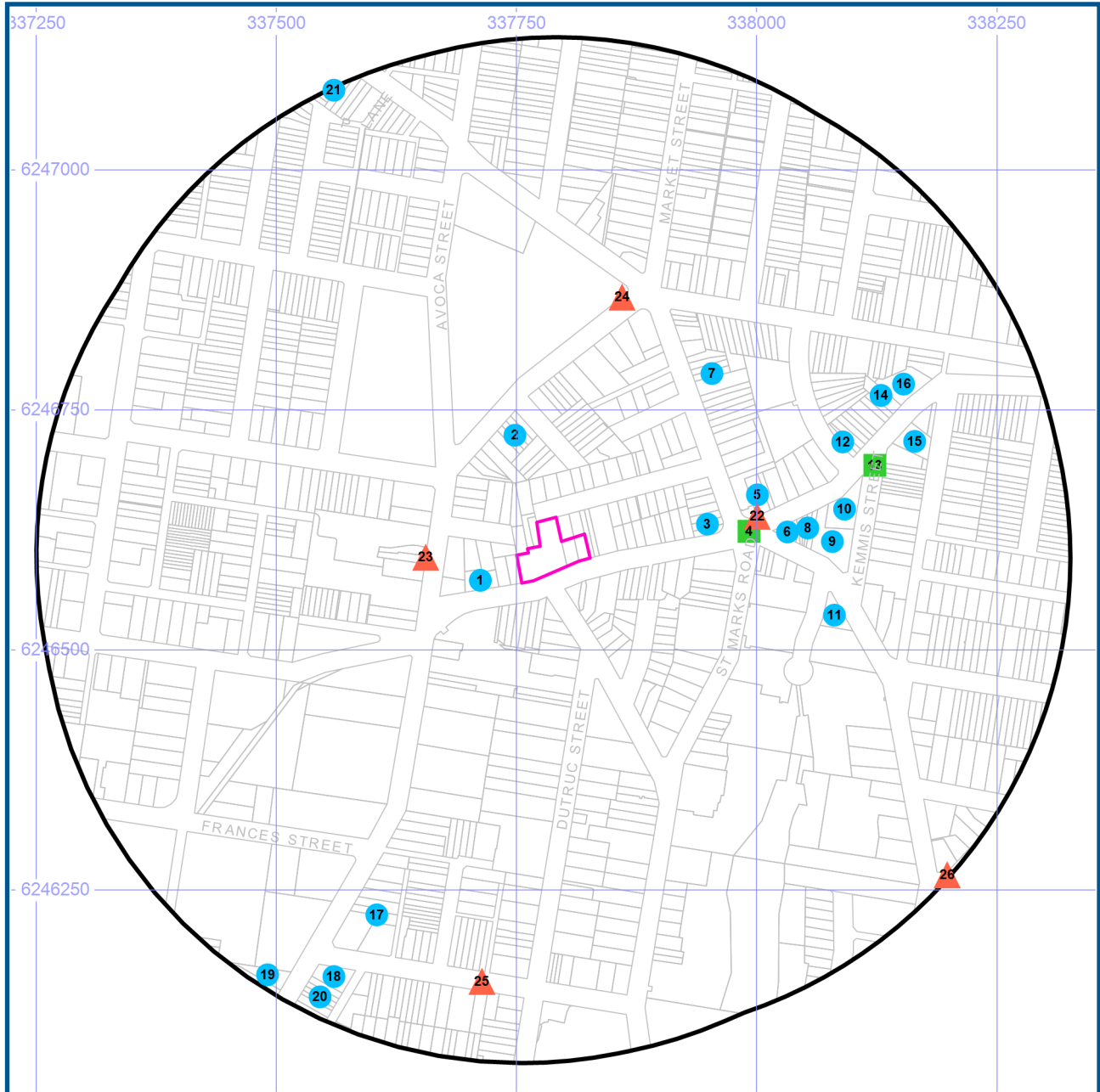
Map Id	Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
14	TAXI TRUCK OPERATORS	Ace Taxi Truck (J. Ryan, Propr.), Avoca St., Randwick	107189	Road Match	73m
	GOLF LINKS	Avoca Public Golf Links, Avoca St., Randwick	54820	Road Match	73m
	PRODUCE MERCHANTS-WHOLESALE	Crawford and Taylor Pty. Ltd., Avoca St., Randwick	95807	Road Match	73m
	MOTOR CYCLE SALES & SERVICE	Ehret, Jack, 94 Avoca St., Randwick	82925	Road Match	73m
	DENTISTS	Thompson, A. G., Avoca St., Randwick	32349	Road Match	73m
15	MOTOR GARAGES &/OR ENGINEERS	Howarth, F., Market St., Randwick	83890	Road Match	95m
16	MILK BARS & CONFECTIONERS	Baxter, J., Cloveily Rd., Randwick	76332	Road Match	141m
	GROCERS-RETAIL	Ormerod, A. and R., Clovelly Rd., Randwick	58627	Road Match	141m
	LIBRARIES-LENDING	Randwick Literary Institute, Clovelly Rd., Randwick	68894	Road Match	141m



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Historical Business Directories





11-19 Frenchmans Road, Randwick, NSW 2031

Dry Cleaners, Motor Garages & Service Stations (1948-1993)



-  Site Boundary
-  Buffer 500m
-  Property Boundaries

Projected Coordinate System:
GDA94 MGA Zone 56

-  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



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Property Boundaries © NSW Department Finance, Services & Innovation 2019

Historical Business Directories

11-19 Frenchmans Road, Randwick, NSW 2031

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

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.	Frenchmans Service Station., 1 Frenchmans Rd Randwick	24494	1959	Premise Match	24m	West
2	MOTOR GARAGES &/OR ENGINEERS.	Howarth F., 81 Market St Randwick	49433	1954	Premise Match	77m	North
	MOTOR GARAGES &/OR ENGINEERS.	Howarth F., 81 Market St., Randwick	40148	1953	Premise Match	77m	North
3	MOTOR GARAGES & SERVICE STATIONS.	Fiveways Auto Port, 43 Frenchmans Rd., Randwick. 2031	18966	1993	Premise Match	111m	East
	Motor Garages & Service Stations	Fiveways Auto Port, 43 Frenchmans Rd., Randwick 2031	97268	1991	Premise Match	111m	East
	MOTOR GARAGES & SERVICE STATIONS.	Fiveways Auto Port, 43 Frenchmans Rd., Randwick. 2031	11614	1990	Premise Match	111m	East
	MOTOR GARAGE & SERVICE STATIONS.	Fiveways Auto Port, 43 Frenchmans Rd., Randwick. 2031	65078	1989	Premise Match	111m	East
	MOTOR GARAGES & SERVICE STATIONS.	Fiveways Auto Port, 43 Frenchmans Rd., Randwick. 2031	59301	1988	Premise Match	111m	East
	MOTOR GARAGES & SERVICE STATIONS.	Fiveways Auto Port, 43 Frenchmans Rd., Randwick. 2031	64702	1986	Premise Match	111m	East
	MOTOR GARAGES & SERVICE STATIONS.	Fiveways Auto Port, 43 Frenchmans Rd., Randwick. 2031	39705	1985	Premise Match	111m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Fiveways Auto Port, 43 Frenchmans Rd., Randwick. 2031	28281	1984	Premise Match	111m	East
4	MOTOR SERVICE STATIONS-PETROL,OIL,ETC.	Five Ways Auto Port., Cnr. Frenchman & Clovelly Rds., RANDWICK	341120	1970	Road Intersection	168m	East
	Motor Service Stations - Petrol, Oil, Etc.	Five Ways Auto Port, Cnr. Frenchman & Clovelly Rds. Randwick	126079	1965	Road Intersection	168m	East
5	DRY CLEANERS, PRESSERS &/OR DYERS	Clovelly Dry Cleaners & Laundry, 53 Frenchmans Rd., Randwick. 2031	20734	1978	Premise Match	176m	East
	DRY CLEANERS, PRESSERS &/OR DYERS.	Clovelly Dry Cleaners & Laundry., 53 Frenchmans Rd., Randwick 2031	23449	1976	Premise Match	176m	East
	DRY CLEANERS, PRESSERS &/OR DYERS.	Clovelly Dry Cleaners & Laundry, 53 Frenchmans Rd., Randwick. 2031	23973	1975	Premise Match	176m	East
	DRY CLEANERS, PRESSERS &/OR DYERS.	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Randwick 2204	2829	1972	Premise Match	176m	East
	DRY CLEANERS, PRESSERS &/OR DYERS	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Randwick	50983	1971	Premise Match	176m	East
	DRY CLEANERS,PRESSERS /DYERS (D710)	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Rndwck	292249	1970	Premise Match	176m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
5	DRY CLEANERS, PRESSERS/ DYERS	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Randwick	37057	1969	Premise Match	176m	East
	DRY CLEANERS, PRESSERS/DYERS	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Randwick	20522	1968	Premise Match	176m	East
	DRY CLEANERS, PRESSERS/ DYERS	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Randwick	2027	1967	Premise Match	176m	East
	DRY CLEANERS, PRESSERS/ DYERS	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd Randwick	52609	1966	Premise Match	176m	East
	Dry Cleaners, Pressers/Dyers	Clovelly Dry Cleaning & Laundry, 53 Frenchmans Rd., Rndwck	76123	1965	Premise Match	176m	East
	DRY CLEANERS, PRESSERS/ DYERS.	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Randwick	42975	1964	Premise Match	176m	East
	DRY CLEANERS, PRESSERS/DYERS.	Clovelly Dry Cleaning & Laundry., 53 Frenchmans Rd., Randwick	24728	1962	Premise Match	176m	East
	DRY CLEANERS, PRESSERS / DYERS	Clovelly Dry Cleaning & Laundry, 53 Frenchmans Rd., Rndwick	299081	1961	Premise Match	176m	East
6	DRY CLEANERS, PRESSERS &/OR DYERS.	Westley Dry Cleaners., 40 Frenchmans Rd., Randwick 2031	23898	1976	Premise Match	192m	East
	DRY CLEANERS, PRESSERS &/OR DYERS.	Westley Dry Cleaners, 40 Frenchmans Rd., Randwick. 2031	24422	1975	Premise Match	192m	East
	DRY CLEANERS, PRESSERS &/OR DYERS.	Westley Dry Cleaners., 40 Frenchmans Rd., Randwick 2031	7361	1972	Premise Match	192m	East
7	MOTOR GARAGES &/OR ENGINEERS.	Bowra Service Station., 73-75 Clovelly Rd Randwick	48931	1954	Premise Match	196m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Bowra Service Station., 73-75 Clovelly Rd Randwick	36646	1953	Premise Match	196m	North East
8	DRY CLEANERS, PRESSERS & DYERS	Lyke-Nu Dry Cleaning Co. Ltd. 50 Frenchmans Rd., Randwick	35478	1950	Premise Match	223m	East
	DRY CLEANERS, PRESSERS & DYERS.	Lyke-Nu Dry Cleaning Co. Ltd., 50 Frenchmans Rd Randwick	17317	1948-49	Premise Match	223m	East
9	DRY CLEANERS, PRESSERS & DYERS	Pinnacle Dry Cleaners Pty. Ltd., 54 Frenchmans Rd., Randwick	35600	1950	Premise Match	230m	East
	DRY CLEANERS, PRESSERS & DYERS.	Pinnacle Dry Cleaners Pty. Ltd., 54 Frenchmans Rd Randwick	17412	1948-49	Premise Match	230m	East
10	MOTOR GARAGES & SERVICE STATIONS.	Ampol Gloucester Service Station, 62 Frenchmans Rd., Randwick. 2031	18478	1993	Premise Match	246m	East
	Motor Garages & Service Stations	Ampol Gloucester Service Station, 62 Frenchmans Rd., Randwick 2031	53468	1991	Premise Match	246m	East
	MOTOR GARAGES & SERVICE STATIONS.	Ampol Service Station, 62 Frenchmans Rd., Randwick. 2031	5910	1990	Premise Match	246m	East
	MOTOR GARAGE & SERVICE STATIONS.	Ampol Service Station, 62 Frenchmans Rd., Randwick. 2031	64401	1989	Premise Match	246m	East
	MOTOR GARAGES & SERVICE STATIONS.	Gloucester Service Station, 62 Frenchmans Rd., Randwick. 2031	59335	1988	Premise Match	246m	East
	MOTOR GARAGES & SERVICE STATIONS.	Gloucester Service Station, 62 Frenchmans Rd., Randwick. 2031	64748	1986	Premise Match	246m	East
	MOTOR GARAGES & SERVICE STATIONS.	Gloucester Service Station, 62 Frenchmans Rd., Randwick. 2031	39751	1985	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gloucester Service Station, 62 Frenchmans Rd., Randwick. 2031	28327	1984	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gloucester Service Station., 62 Frenchmans Rd., Randwick. 2031	14750	1983	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Gloucester Service Station, 62 Frenchmans Rd., Randwick. 2031.	56811	1982	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gloucester Service Station., 62 Frenchmans Rd., Randwick. 2031	3369	1981	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.						

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
10	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gloucester Service Station., 62 Frenchmans Rd., Randwick. 2031	58102	1980	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gloucester Service Station., 62 Frenchmans Rd., Randwick. 2031.	41565	1979	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gloucester Service Station, 62 Frenchmans Rd., Randwick. 2031	50103	1978	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gloucester Service Station., 62 Frenchmans Rd., Randwick 2031	30089	1976	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gloucester Service Station., 62 Frenchmans Rd., Randwick. 2031	58927	1975	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gloucester Ampol Service Station., 62 Frenchmans Rd., Randwick 2031	12919	1972	Premise Match	246m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gloucester Service Station., 62 Frenchmans Rd Randwick	62579	1971	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS(M6S6)	Gloucester Service Station., 62 Frenchmans Rd., RANDWICK	337870	1970	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS.	Gloucester Service Station., 62 Frenchmans Rd Randwick	47014	1969	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS	Gloucester Service Station., 62 Frenchmans Rd., Randwick	26401	1968	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS.	Gloucester Service Station., 62 Frenchmans Rd Randwick	10894	1967	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS.	Gloucester Service Station., 62 Frenchmans Rd., Randwick	60628	1966	Premise Match	246m	East
	Motor Garages & Engineers	Gloucester Service Station, 62 Frenchmans Rd. Randwick	123264	1965	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS	Gloucester Service Station., 62 Frenchmans Rd Randwick	48547	1964	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS.	Gloucester Service Station., 62 Frenchmans Rd Randwick	33288	1962	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS	Gloucester Service Station, 62 Frenchmans Rd. RANDWICK	347235	1961	Premise Match	246m	East
	MOTOR GARAGES & ENGINEERS.	Gloucester Service Station., 62 Frenchmans Rd Randwick	19858	1959	Premise Match	246m	East
11	MOTOR GARAGES & SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	18999	1993	Premise Match	249m	East
	Motor Garages & Service Stations	Gully Service Centre, 88 Clovelly Rd., Randwick 2031	97231	1991	Premise Match	249m	East
	MOTOR GARAGES & SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	11673	1990	Premise Match	249m	East
	MOTOR GARAGE & SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	65155	1989	Premise Match	249m	East
	MOTOR GARAGES & SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	59395	1988	Premise Match	249m	East
	MOTOR GARAGES & SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	64831	1986	Premise Match	249m	East
	MOTOR GARAGES & SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	44929	1985	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	28431	1984	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gully Service Centre., 88 Clovelly Rd., Randwick. 2031	14855	1983	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031.	56920	1982	Premise Match	249m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
11	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gully Service Centre., 88 Clovelly Rd., Randwick 2031	3476	1981	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gully Service Centre., 88 Clovelly Rd., Randwick. 2031	58209	1980	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gully Service Centre., 88 Clovelly Rd., Randwick. 2031.	41671	1979	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gully Service Centre, 88 Clovelly Rd., Randwick. 2031	50209	1978	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Gully Service Centre., 88 Clovelly Rd., Randwick 2031	30208	1976	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gully Service Centre., 88 Clovelly Rd., Randwick. 2031	59009	1975	Premise Match	249m	East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Gulley Caltex Service Centre The., 88 Clovelly Rd Randwick	18084	1972	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gully Service Centre., 88 Clovelly Rd Randwick	62580	1971	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS(M6S6)	Gully Service Station., 88 Clovelly Rd., RANDWICK	337958	1970	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS.	Gully Service Station., 88 Clovelly Rd Randwick	47015	1969	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS	Gully Service Station., 88 Clovelly Rd., Randwick	26402	1968	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS.	Gully Service Station., 88 Clovelly Rd Randwick	10895	1967	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS.	Gully Service Station., 88 Clovelly Rd., Randwick	60629	1966	Premise Match	249m	East
	Motor Garages & Engineers	Gully Service Station, 88 Clovelly Rd. Randwick	123265	1965	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS	Gully Garage., 88 Clovelly Rd Randwick	48548	1964	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS.	Gully Garage., 88 Clovelly Rd Randwick	33289	1962	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS	Gully Garage, 88 Clovelly Rd. RANDWICK	347297	1961	Premise Match	249m	East
	MOTOR GARAGES & ENGINEERS.	Gully Garage., 88 Clovelly Rd Randwick	19859	1959	Premise Match	249m	East
	MOTOR GARAGE/ENGINEERS.	Gully Garage., 88 Clovelly Rd Randwick	4216	1958	Premise Match	249m	East
	MOTOR GARAGE/ENGINEERS.	Gully Service Station., 88 Clovelly Rd Randwick	4217	1958	Premise Match	249m	East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Gully Garage (The)., 88 Clovelly Rd Randwick	61932	1956	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gully Garage., 88 Clovelly Rd Randwick	57747	1956	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gully Service Station., 88 Clovelly Rd Randwick	57748	1956	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS.	Gully Service Station., 88 Clovelly Rd Randwick	49353	1954	Premise Match	249m	East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Gully Service Station., 88 Clovelly Rd., Randwick	44075	1953	Premise Match	249m	East
	MOTOR GARAGES &/OR ENGINEERS	Gully Garage, 88 Clovelly Rd., Randwick	83831	1950	Premise Match	249m	East
	MOTOR SERVICE STATIONS-PETROL, Etc.	Gully Garage, 88 Clovelly Rd., Randwick	86022	1950	Premise Match	249m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
11	MOTOR GARAGES &/OR ENGINEERS.	Gully Garage., 88 Clovelly Rd Randwick	22410	1948-49	Premise Match	249m	East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Gully Garage., 88 Clovelly Rd Randwick	23300	1948-49	Premise Match	249m	East
12	DRY CLEANERS, PRESSERS/DYERS.	Astra Dry Cleaners Pty. Ltd., 75 Frenchmans Rd Randwick	24686	1962	Premise Match	277m	East
	DRY CLEANERS, PRESSERS / DYERS	Astra Dry Cleaners Pty. Ltd., 75 Frenchmans Rd., Randwick	299038	1961	Premise Match	277m	East
13	DRY CLEANERS, PRESSERS & DYERS	Jenkins Dry Cleaners Pty. Ltd., Cnr. Frenchmans Rd. and Kemmis St., Randwick	35321	1950	Road Intersection	311m	East
14	MOTOR GARAGES & SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031	65485	1986	Premise Match	328m	North East
	MOTOR GARAGES & SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031	45595	1985	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031	34157	1984	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick 2031	21607	1983	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031.	57600	1982	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031.	57601	1982	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick 2031	8191	1981	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick 2031	8192	1981	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty Ltd., 95 Frenchmans Rd., Randwick. 2031	58870	1980	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty Ltd., 95 Frenchmans Rd., Randwick. 2031	58871	1980	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031.	46370	1979	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031.	46371	1979	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Alison Service Station, 95 Frenchmans Rd., Randwick. 2031	49225	1978	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031	50860	1978	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031	50861	1978	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Alison Service Station., 95 Frenchmans Rd., Randwick 2031	23924	1976	Premise Match	328m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
14	MOTOR GARAGES &/OR ENGINEERS.	Alison Service Station., 95 Frenchmans Rd., Randwick. 2031	58315	1975	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick. 2031	59557	1975	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Alison Service Station., 95 Frenchmans Rd., Randwick	12911	1972	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd., Randwick	12924	1972	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Alison Service Station., 95 Frenchmans Rd Randwick	62572	1971	Premise Match	328m	North East
	MOTOR GARAGES &/OR ENGINEERS.	South Randwick Service Station Pty. Ltd., 95 Frenchmans Rd Randwick	62585	1971	Premise Match	328m	North East
	MOTOR SERVICE STATIONS-PETROL,OIL,Etc.	Alison Motor Service., 95 Frenchmans Rd., RANDWICK	340741	1970	Premise Match	328m	North East
	MOTOR GARAGES & ENGINEERS(M6S6)	Alison Service Station., 95 Frenchmans Rd., RANDWICK	337176	1970	Premise Match	328m	North East
	MOTOR GARAGES & ENGINEERS(M6S6)	Falson Motors., 95 Frenchmans Rd., RANDWICK	337787	1970	Premise Match	328m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Alison Motor Service., 95 Frenchmans Rd Randwick	50667	1969	Premise Match	328m	North East
	MOTOR GARAGES & ENGINEERS.	Alison Service Station., 95 Frenchmans Rd Randwick	47005	1969	Premise Match	328m	North East
	MOTOR GARAGES & ENGINEERS.	Falson Motors., 95 Frenchmans Rd., Randwick	47010	1969	Premise Match	328m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Alison Motor Service., 95 Frenchmans Rd Randwick	36754	1968	Premise Match	328m	North East
	MOTOR GARAGES & ENGINEERS	Alison Service Station., 95 Frenchmans Rd Randwick	26396	1968	Premise Match	328m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Alison Motor Service., 95 Frenchmans Rd Randwick	16157	1967	Premise Match	328m	North East
	MOTOR GARAGES & ENGINEERS.	Alison Service Station., 95 Frenchmans Rd Randwick	10888	1967	Premise Match	328m	North East
15	MOTOR GARAGES &/OR ENGINEERS.	Foyle Service Station., 66A Frenchmans Rd., Randwick	12916	1972	Premise Match	334m	East
	MOTOR GARAGES &/OR ENGINEERS.	Foyle Service Station., 66A Frenchmans Rd Randwick	62576	1971	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS(M6S6)	Foyles Service Station., 66a Frenchmans Rd., RANDWICK	337824	1970	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Foyles Service Station., 66A Frenchmans Rd Randwick	47011	1969	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Foyles Service Station., 66A Frenchmans Rd Randwick	10892	1967	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Foyles Service Station., 66A Frenchmans Rd., Randwick	60625	1966	Premise Match	334m	East
	Motor Garages & Engineers	Foyles Service Station, 66a Frenchmans Rd. Randwick	123262	1965	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS	Foyles Service Station., 66A Frenchmans Rd Randwick	48545	1964	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Foyles Service Station., 66A Frenchmans Rd Randwick	33285	1962	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Spendlove & Noonan., 66A Frenchmans Rd Randwick	33296	1962	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS	Foyles Service Station, 66a Frenchmans Rd. RANDWICK	347165	1961	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS	Spendlove & Noonan, 66a Frenchmans Rd. RANDWICK	348179	1961	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Foyles Service Station., 66 Frenchmans Rd Randwick	19850	1959	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Foyle's Service Station., 66 Frenchmans Rd Randwick	19856	1959	Premise Match	334m	East
	MOTOR GARAGES & ENGINEERS.	Spendlove & Noonan., 66A Frenchmans Rd Randwick	19864	1959	Premise Match	334m	East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
15	MOTOR GARAGE/ENGINEERS.	Foyle's Service Station., 66 Frenchmans Rd Randwick	4121	1958	Premise Match	334m	East
	MOTOR GARAGE/ENGINEERS.	Spendlove & Noonan., 66A Frenchmans Rd Randwick	5002	1958	Premise Match	334m	East
	MOTOR GARAGES &/OR ENGINEERS.	Foyle's Service Station., 66 Frenchmans Rd Randwick	57660	1956	Premise Match	334m	East
	MOTOR GARAGES &/OR ENGINEERS.	Mckay Ken., 66A Frenchmans Rd Randwick	58013	1956	Premise Match	334m	East
	MOTOR SERVICE STATIONS-PETROL, ETC.	Foyle's Service Station., 66A Frenchmans Rd Randwick	23265	1948-49	Premise Match	334m	East
16	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd., Randwick. 2031	3335	1981	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Service Centre., 105 Frenchmans Rd., Randwick. 2031	3336	1981	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd., Randwick. 2031	58072	1980	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Service Centre., 105 Frenchmans Rd., Randwick. 2031	58073	1980	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd., Randwick. 2031.	41538	1979	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Service Centre., 105 Frenchmans Rd., Randwick. 2031.	41539	1979	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Randwick Service Centre, 105 Frenchmans Rd., Randwick. 2031	50075	1978	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Service Centre, 105 Frenchmans Rd., Randwick. 2031	50076	1978	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Freds Auto Centre., 105 Frenchmans Rd., Randwick 2031	30055	1976	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd., Randwick 2031	30058	1976	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Fred's Auto Centre., 105 Frenchmans Rd., Randwick. 2031	58899	1975	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd., Randwick. 2031	58902	1975	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Fred's Auto Service., 105 Frenchmans Rd., Randwick	12917	1972	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Frenchmans Road Mobil Service Centre., 105 Frenchmans Rd., Randwick	12918	1972	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Fred's Auto Service., 105 Frenchmans Rd Randwick	62577	1971	Premise Match	341m	North East
	MOTOR GARAGES &/OR ENGINEERS.	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd Randwick	62578	1971	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS(M6S6)	Fred's Auto Service., 105 Frenchmans Rd., RANDWICK	337828	1970	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS(M6S6)	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd., RANDWICK	337830	1970	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS.	Fred's Auto Service., 105 Frenchmans Rd Randwick	47012	1969	Premise Match	341m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
16	MOTOR GARAGES & ENGINEERS.	Frenchmans Road Randwick Service Centre., 105 Frenchmans Rd Randwick	47013	1969	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS	Fred's Auto Service., 105 Frenchmans Rd Randwick	26400	1968	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS.	Fred's Auto Service., 105 Frenchmans Rd Randwick	10893	1967	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS.	Fred's Auto Service., 105 Frenchmans Rd., Randwick	60626	1966	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS.	Frenchmans Road Auto Centre., 105 Frenchmans Rd Randwick	60627	1966	Premise Match	341m	North East
	Motor Garages & Engineers	Frenchmans Auto Centre, 105 Frenchmans Rd. Randwick	123263	1965	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS	Frenchmans Service Centre., 105 Frenchmans Rd Randwick	48546	1964	Premise Match	341m	North East
	MOTOR GARAGES & ENGINEERS.	Frenchmans Service Centre., 105 Frenchmans Rd Randwick	33286	1962	Premise Match	341m	North East
	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Frenchmans Service Centre., 105 Frenchmans Rd Randwick	38601	1962	Premise Match	341m	North East
	MOTOR SERVICE STATIONS—PETROL, OIL, Etc.	Frenchmans Service Centre, 105 Frenchmans Rd. RANDWICK	350591	1961	Premise Match	341m	North East
17	MOTOR GARAGES & SERVICE STATIONS.	BP Randwick Service Station, 107 Avoca St., Randwick. 2031	18684	1993	Premise Match	369m	South West
	Motor Garages & Service Stations	BP Randwick, 107 Avoca St., Randwick 2031	97617	1991	Premise Match	369m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Randwick Auto Body., 107 Avoca St., Randwick	12921	1972	Premise Match	369m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Randwick Auto Body., 107 Avoca St Randwick	62582	1971	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS(M6S6)	Randwick Auto Body., 107 Avoca St., RANDWICK	338481	1970	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS.	Randwick Auto Body., 107 Avoca St Randwick	47020	1969	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS	Randwick Auto Body., 107 Avoca St Randwick	26407	1968	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS.	Randwick Auto Body., 107 Avoca St Randwick	10900	1967	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS.	Randwick Auto Body., 107 Avoca St Randwick	60633	1966	Premise Match	369m	South West
	Motor Garages & Engineers	Randwick Auto Body, 107 Avoca St. Randwick	123269	1965	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS	Randwick Auto Body., 107 Avoca St Randwick	48552	1964	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS.	Randwick Auto Body., 107 Avoca St Randwick	33292	1962	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS.	Savoy Garage., 107 Avoca St Randwick	33295	1962	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS	Savoy Garage, 107 Avoca St. RANDWICK	348098	1961	Premise Match	369m	South West
	MOTOR GARAGES & ENGINEERS.	Savoy Garage., 107 Avoca St Randwick	19863	1959	Premise Match	369m	South West
	MOTOR GARAGE/ENGINEERS.	Savoy Garage., 107 Avoca St Randwick	4933	1958	Premise Match	369m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Savoy Garage., 107 Avoca St Randwick	61449	1956	Premise Match	369m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Savoy Garage., 107 Avoca St Randwick	54070	1954	Premise Match	369m	South West
18	MOTOR GARAGES & SERVICE STATIONS.	Road & Track Automotive Services, 115 Avoca St., Randwick. 2031	20282	1993	Premise Match	439m	South West
	Motor Garages & Service Stations	Road & Track Automotive Services, 115 Avoca St., Randwick 2031	53816	1991	Premise Match	439m	South West
	MOTOR GARAGES & SERVICE STATIONS.	Road & Track Automotive Services, 115 Avoca St., Randwick. 2031	12044	1990	Premise Match	439m	South West
	MOTOR GARAGE & SERVICE STATIONS.	Road & Track Automotive Services, 115 Avoca St., Randwick. 2031	5465	1989	Premise Match	439m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
18	MOTOR GARAGES & SERVICE STATIONS.	Road & Track Automotive Services, 115 Avoca St., Randwick. 2031	59851	1988	Premise Match	439m	South West
	MOTOR GARAGES & SERVICE STATIONS.	Road & Track Automotive Services, 115 Avoca St., Randwick. 2031	65346	1986	Premise Match	439m	South West
	MOTOR GARAGES & SERVICE STATIONS.	Road & Track Automotive Services, 115 Avoca St., Randwick. 2031	45461	1985	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Road & Track Automotive Services., 115 Avoca St., Randwick 2031	21482	1983	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Road & Track Automotive Services. 115 Avoca St., Randwick. 2031.	57473	1982	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Road & Track Automotive Services., 115 Avoca St., Randwick 2031	4014	1981	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Road & Track Automotive Service., 115 Avoca St., Randwick.2031	65689	1980	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Road & Track Automotive Services., 115 Avoca St., Randwick. 2031.	46251	1979	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Road & Track Automotive Services, 115 Avoca St., Randwick. 2031	50751	1978	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Road. & Track Automotive Services., 115 Avoca St., Randwick 2031	34818	1976	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	T.S.W. Trading Co., 115 Avoca St., Randwick 2031	35000	1976	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Road & Track Automotive Services., 115 Avoca St., Randwick. 2031	59469	1975	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS.	T.S.W Trading Co., 115 Avoca St., Randwick. 2031	59618	1975	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Road & Track Automotive Service., 115 Avoca St., Randwick 2031	12922	1972	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Road & Track Automotive Service., 115 Avoca St., Randwick 2031	12910	1972	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS.	T.S.W. Trading Co., 115 Avoca St., Randwick 2031	12926	1972	Premise Match	439m	South West
	MOTOR GARAGES &/OR ENGINEERS.	Road & Track Automotive Services., 115 Avoca St Randwick	62583	1971	Premise Match	439m	South West
	DRY CLEANERS, PRESSERS & DYERS	Coogee Laundry, 115 Avoca St., Randwick	35164	1950	Premise Match	439m	South West
	DRY CLEANERS, PRESSERS & DYERS.	Coogee Laundry., 115 Avoca St Randwick	17106	1948-49	Premise Match	439m	South West
19	DRY CLEANERS & PRESSERS.	Gemini, 110 Avoca St., Randwick. 2031	53092	1988	Premise Match	471m	South West
	DRY CLEANERS & PRESSERS.	Gemini, 110 Avoca St., Randwick. 2031	25318	1986	Premise Match	471m	South West
	DRY CLEANERS & PRESSERS.	Gemini., 110 Avoca St., Randwick. 2031	34536	1985	Premise Match	471m	South West
	DRY CLEANERS & PRESSERS.	Gemini, 110 Avoca St., Randwick. 2031	21984	1984	Premise Match	471m	South West
	DRY CLEANERS & PRESSERS.	Gemini, 110 Avoca St., Randwick 2031	8574	1983	Premise Match	471m	South West
	DRY CLEANERS & PRESSERS.(D8500)	Gemini, 110 Avoca St., Randwick. 2031.	23850	1982	Premise Match	471m	South West
	DRY CLEANERS & PRESSERS.	Gemini., 110 Avoca St., Randwick. 2031	63332	1981	Premise Match	471m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
19	DRY CLEANERS, PRESSERS &/OR DYERS.	Gemini., 110 Avoca St., Randwick. 2031	46762	1980	Premise Match	471m	South West
	DRY CLEANERS, PRESSERS &/OR DYERS.	Gemini., 110 Avoca St., Randwick. 2031.	35360	1979	Premise Match	471m	South West
20	DRY CLEANERS, PRESSERS &/OR DYERS.	Washington., 121 Avoca St., Randwick. 2031	50055	1980	Premise Match	476m	South West
	DRY CLEANERS, PRESSERS &/OR DYERS.	Washington., 121 Avoca St., Randwick. 2031.	35595	1979	Premise Match	476m	South West
21	DRY CLEANERS, PRESSERS &/OR DYERS.	Weldon Dry Cleaners., 38 Clovelly Rd., Randwick 2031	23881	1976	Premise Match	493m	North West
	DRY CLEANERS, PRESSERS &/OR DYERS.	Weldon Dry Cleaners, 38 Clovelly Rd., Randwick. 2031	24405	1975	Premise Match	493m	North West
	DRY CLEANERS, PRESSERS &/OR DYERS.	Weldon Dry Cleaners., 38 Clovelly Rd., Randwick 2031	7352	1972	Premise Match	493m	North West

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

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
22	MOTOR GARAGES & SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	18965	1993	Road Match	0m
	Motor Garages & Service Stations	Five Ways Auto Port, Frenchmans Rd., Randwick 2031	97262	1991	Road Match	0m
	MOTOR GARAGES & SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	11612	1990	Road Match	0m
	MOTOR GARAGE & SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	65076	1989	Road Match	0m
	MOTOR GARAGES & SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	59299	1988	Road Match	0m
	MOTOR GARAGES & SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	64700	1986	Road Match	0m
	MOTOR GARAGES & SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	39703	1985	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	28279	1984	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick 2031	14702	1983	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick 2031	14704	1983	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031,	56766	1982	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031.	56768	1982	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick, 2031	3315	1981	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031	3317	1981	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031	52971	1980	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031	52974	1980	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031.	41517	1979	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031.	41520	1979	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	50052	1978	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port, Frenchmans Rd., Randwick. 2031	50055	1978	Road Match	0m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
22	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick 2031	30025	1976	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Five Ways Auto Port., Frenchmans Rd., Randwick 2031	30029	1976	Road Match	0m
	MOTOR SERVICE STATIONS - PETROL, OIL	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031	61750	1975	Road Match	0m
	MOTOR GARAGES &/OR ENGINEERS.	Five Ways Auto Port., Frenchmans Rd., Randwick. 2031	58878	1975	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, ETC.	Foyle Service Station., Frenchmans Rd., Randwick	54469	1954	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, ETC.	Foyle Service Station (Ken Moore, Propr), Frenchmans Rd., Randwick	44060	1953	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, ETC.	Foyle Service Station., Frenchmans Rd Randwick	35832	1952	Road Match	0m
	MOTOR SERVICE STATIONS-PETROL, Etc.	Foyle Service Station (Ken. Moore, Propr.), Frenchmans Rd., Randwick	85973	1950	Road Match	0m
23	MOTOR GARAGES & SERVICE STATIONS.	Avoca Rae Service Statio., Avoca St., Randwick. 2031	53548	1988	Road Match	73m
	MOTOR GARAGES & SERVICE STATIONS.	Avoca Rae Service Station, Avoca St., Randwick. 2031	63996	1986	Road Match	73m
	MOTOR GARAGES & SERVICE STATIONS.	Avoca Rae Service Station, Avoca St., Randwick. 2031	39014	1985	Road Match	73m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Avoca Rae Service Station, Avoca St., Randwick. 2031	27620	1984	Road Match	73m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Avoca Road Service Station., Avoca St., Randwick 2031	8978	1983	Road Match	73m
24	MOTOR GARAGES & ENGINEERS.	Howarth F., Market St Randwick	33290	1962	Road Match	95m
	MOTOR GARAGES & ENGINEERS	Howarth, F., Market St. RANDWICK	347400	1961	Road Match	95m
	MOTOR GARAGES & ENGINEERS.	Howarth F., Market St Randwick	19860	1959	Road Match	95m
	MOTOR GARAGE/ENGINEERS.	Howarth F., Market St Randwick	4306	1958	Road Match	95m
	MOTOR GARAGES &/OR ENGINEERS.	Howarth F., Market St Randwick	31768	1952	Road Match	95m
	MOTOR GARAGES &/OR ENGINEERS	Howarth, F., Market St., Randwick	83890	1950	Road Match	95m
	MOTOR GARAGES &/OR ENGINEERS.	Howarth F., Market St Randwick	22471	1948-49	Road Match	95m
25	MOTOR SERVICE STATIONS-PETROL, OIL, ETC.	Amoco Service Station., Rae St Randwick	18079	1972	Road Match	406m
26	MOTOR GARAGES & SERVICE STATIONS.	Ampol Coogee Service Station, Carrington Rd., Coogee. 2034	18467	1993	Road Match	483m
	Motor Garages & Service Stations	Ampol Coogee Service Station, Carrington Rd., Coogee 2034	97735	1991	Road Match	483m
	MOTOR GARAGES & SERVICE STATIONS.	Ampol Coogee Service Station, Carrington Rd., Coogee. 2034	5833	1990	Road Match	483m
	MOTOR GARAGE & SERVICE STATIONS.	Ampol Coogee Service Station, Carrington Rd., Coogee. 2034	64322	1989	Road Match	483m
	MOTOR GARAGES & SERVICE STATIONS.	Total Coogee Service Station, Carrington Rd., Coogee. 2034	60069	1988	Road Match	483m
	MOTOR GARAGES & SERVICE STATIONS.	Total Coogee Service Station, Carrington Rd., Coogee. 2034	65597	1986	Road Match	483m
	MOTOR GARAGES & SERVICE STATIONS.	Total Coogee Service Station, Carrington Rd., Coogee. 2034	45714	1985	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Coogee Service Station, Carrington Rd., Coogee. 2034	34274	1984	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Coogee Service Station., Carrington Rd., Coogee 2034	21717	1983	Road Match	483m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
26	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS. (M6860)	Total Coogee Service Station, Carrington Rd., Coogee. 2034.	57714	1982	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Coogee Service Station., Carrington Rd., Coogee 2034	8300	1981	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Coogee Service Station., Carrington Rd., Coogee. 2034	58985	1980	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Coogee Service Station., Carrington Rd., Coogee. 2034.	46481	1979	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Coogee Service Station, Carrington Rd., Coogee. 2034	50960	1978	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Total Coogee Service Station., Carrington Rd., Coogee 2034	35041	1976	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS.	Total Coogee Service Station., Carrington Rd., Coogee. 2034	59655	1975	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS.	Total Coogee Service Station., Carrington Rd Coogee	7870	1972	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS.	Total Service Station., Clovelly West, Carrington Rd., Randwick	12928	1972	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS.	Total Coogee Service Station., Carrington Rd Coogee	56556	1971	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS.	Total Service Station., Clovelly West Carrington Rd Randwick	62589	1971	Road Match	483m
	MOTOR GARAGES & ENGINEERS(M6S6)	Total Coogee Service Station., Carrington Rd., COOGEE	338740	1970	Road Match	483m
	MOTOR GARAGES & ENGINEERS(M6S6)	Total Service Station Clovelly West., Carrington Rd., RANDWICK	338748	1970	Road Match	483m
	MOTOR GARAGES & ENGINEERS.	Total Coogee Service Station., Carrington Rd., Coogee	41964	1969	Road Match	483m
	MOTOR GARAGES & ENGINEERS.	Total Service Station., Clovelly West Carrington Rd Randwick	47026	1969	Road Match	483m
	MOTOR GARAGES & ENGINEERS	Total Service Station., Clovelly West Carrington Rd Randwick	26413	1968	Road Match	483m
	MOTOR GARAGES & ENGINEERS.	Total Service Station., Clovelly West Carrington Rd Randwick	10906	1967	Road Match	483m
	MOTOR GARAGES & ENGINEERS.	Total Service Station., Clovelly West Carrington Rd Randwick	60639	1966	Road Match	483m
	MOTOR GARAGES &/OR ENGINEERS.	Carrington Service Station., Carrington Rd Coogee	44600	1954	Road Match	483m

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Aerial Imagery 2019

11-19 Frenchmans Road, Randwick, NSW 2031



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 01 November 2019

Aerial Imagery 2018

11-19 Frenchmans Road, Randwick, NSW 2031



Aerial Imagery 2014

11-19 Frenchmans Road, Randwick, NSW 2031



Scale: 0 25 50 75 100 Meters	Data Sources: Aerial Imagery © Aerometrex Pty Ltd	Coordinate System: GDA 1994 MGA Zone 56	Date: 01 November 2019
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Aerial Imagery 2007

11-19 Frenchmans Road, Randwick, NSW 2031



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 01 November 2019

Aerial Imagery 2000

11-19 Frenchmans Road, Randwick, NSW 2031



Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 01 November 2019

Aerial Imagery 1991

11-19 Frenchmans Road, Randwick, NSW 2031



Aerial Imagery 1982

11-19 Frenchmans Road, Randwick, NSW 2031





Aerial Imagery 1970

11-19 Frenchmans Road, Randwick, NSW 2031



Legend

 Site Boundary

 Buffer 150m

Scale:

0 25 50 75 100

Meters

Data Sources: Aerial Imagery © Department of Finance, Services & Innovation

Coordinate System:
GDA 1994 MGA Zone 56

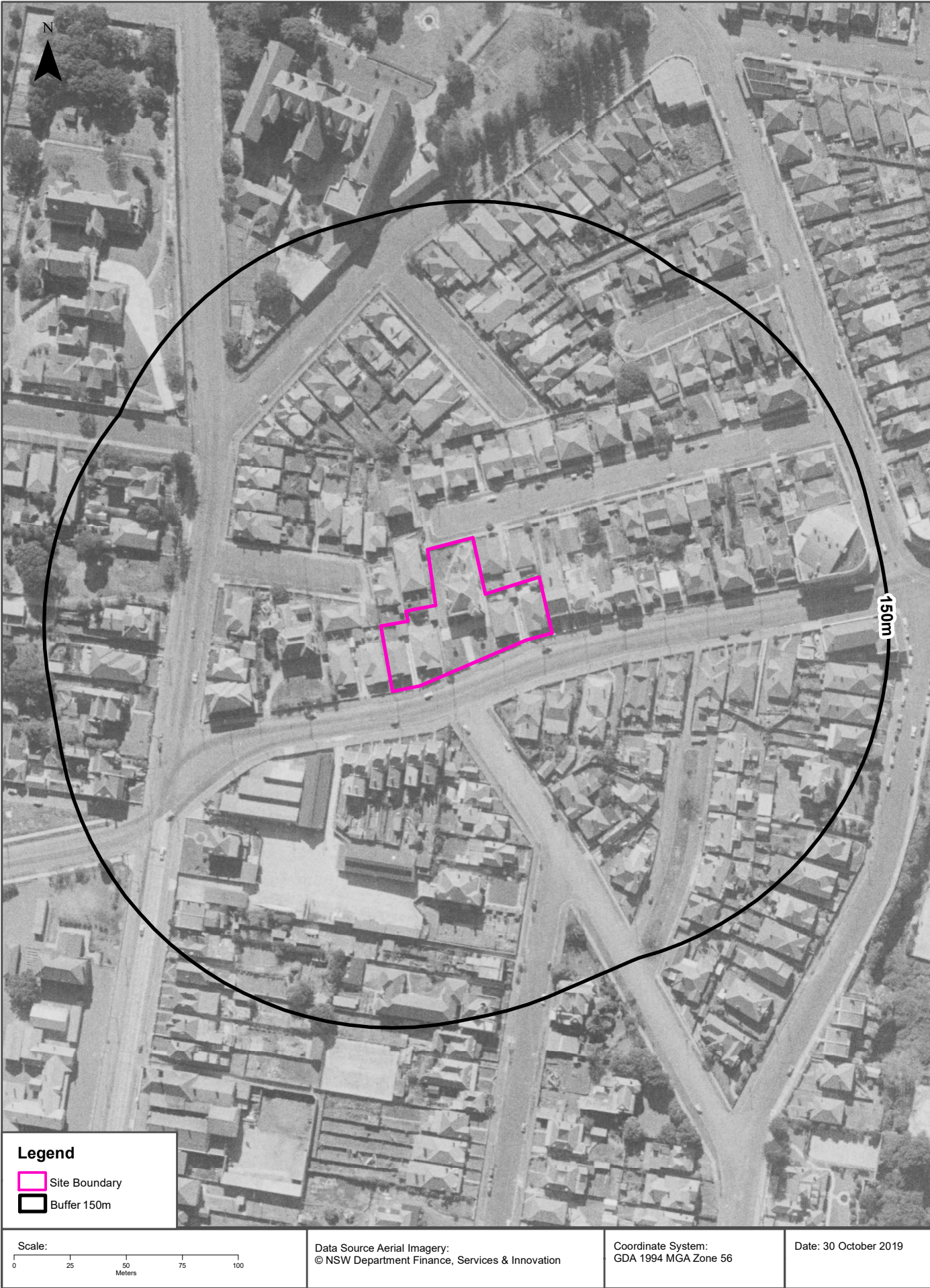
Date: 01 November 2019



Aerial Imagery 1961

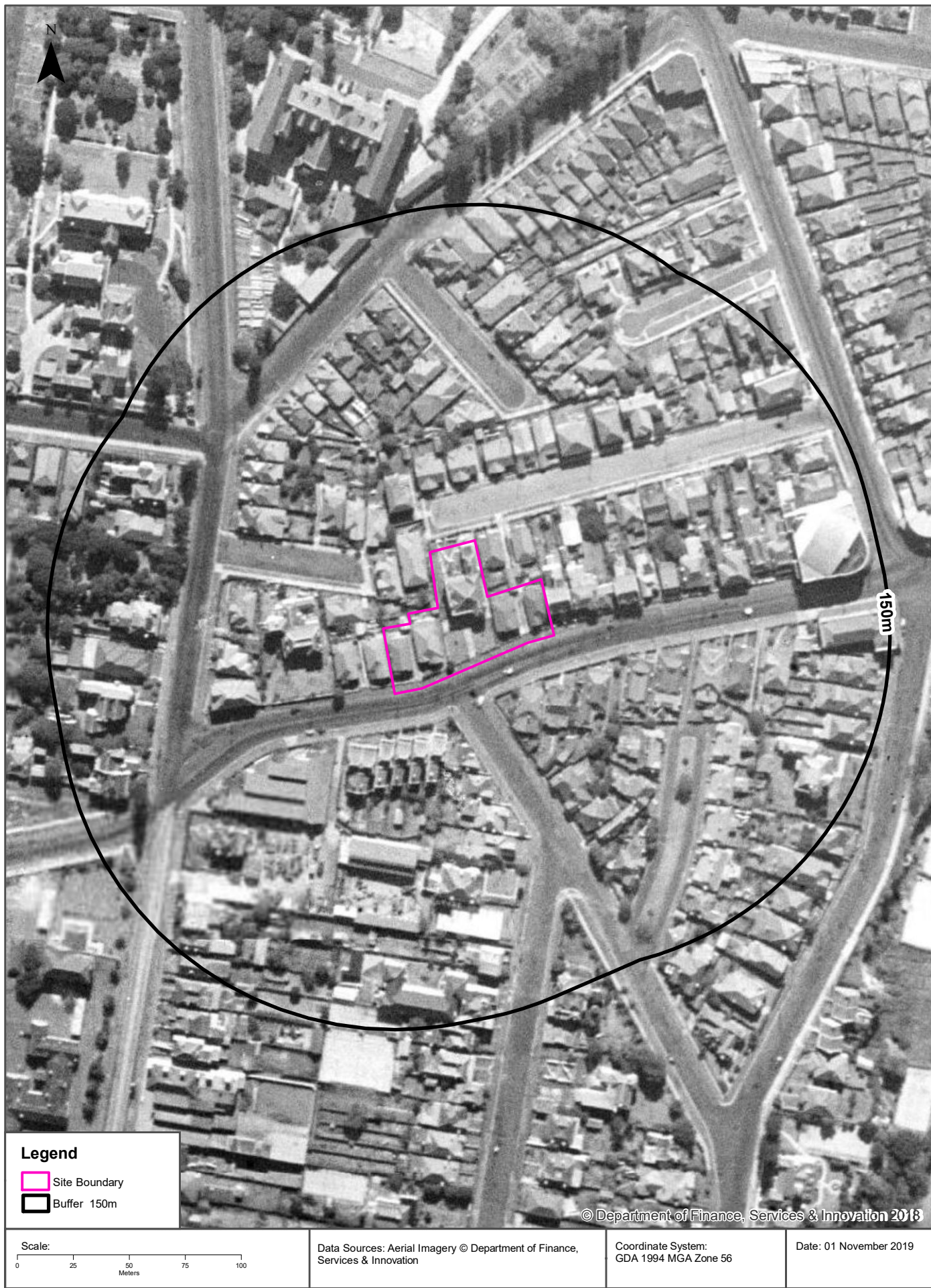
11-19 Frenchmans Road, Randwick, NSW 2031





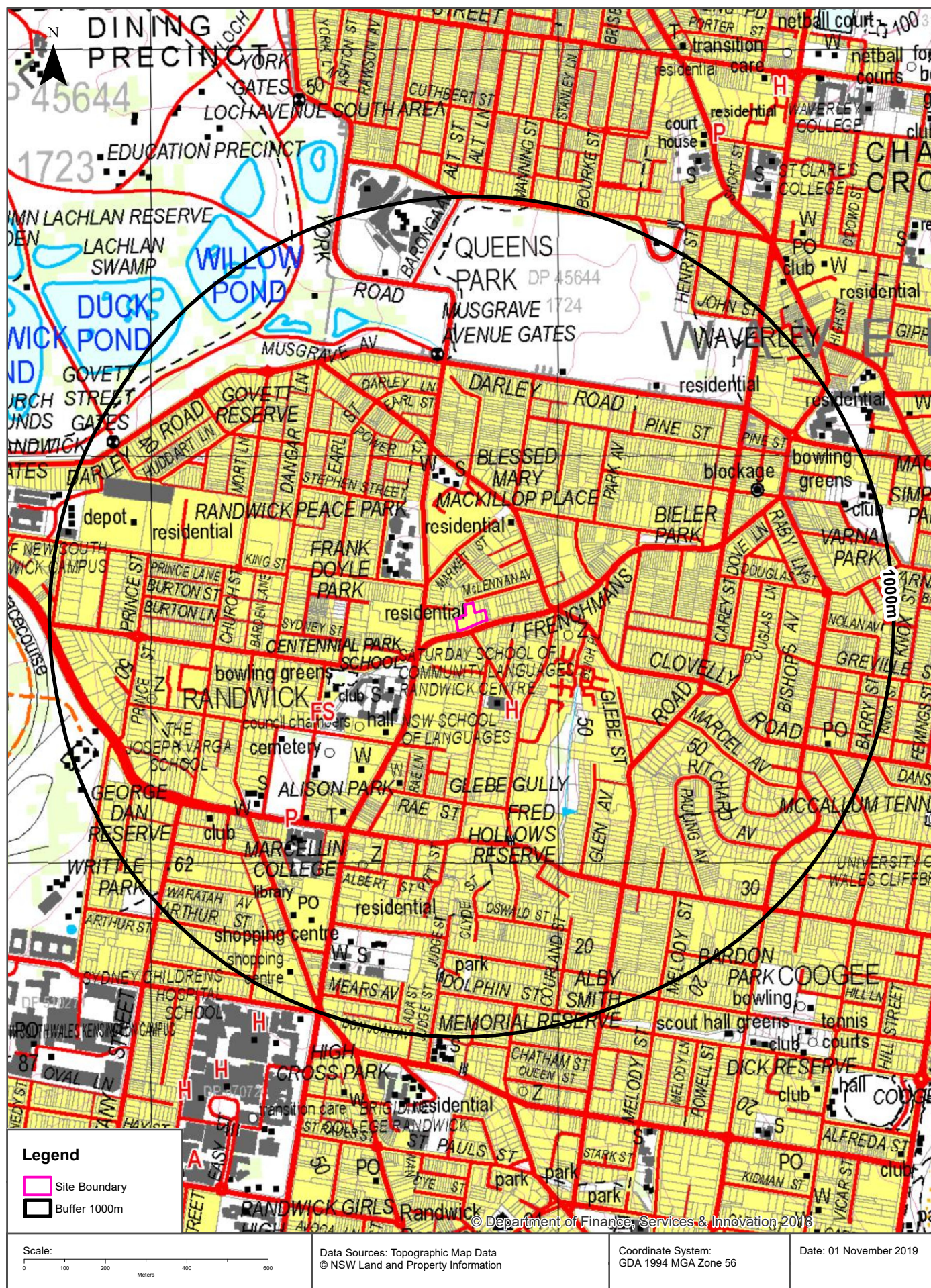
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11-19 Frenchmans Road, Randwick, NSW 2031



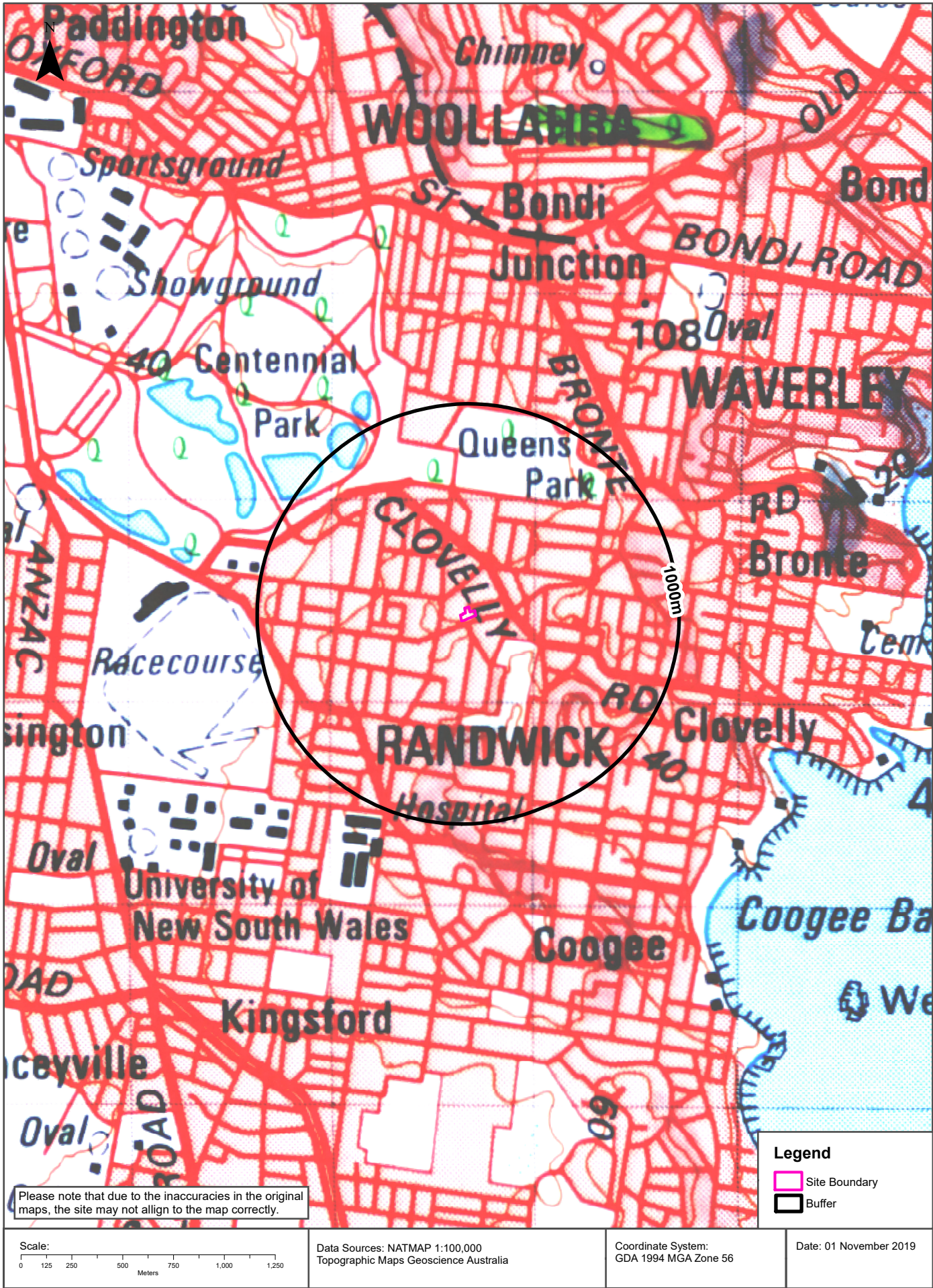
Topographic Map 2015

11-19 Frenchmans Road, Randwick, NSW 2031



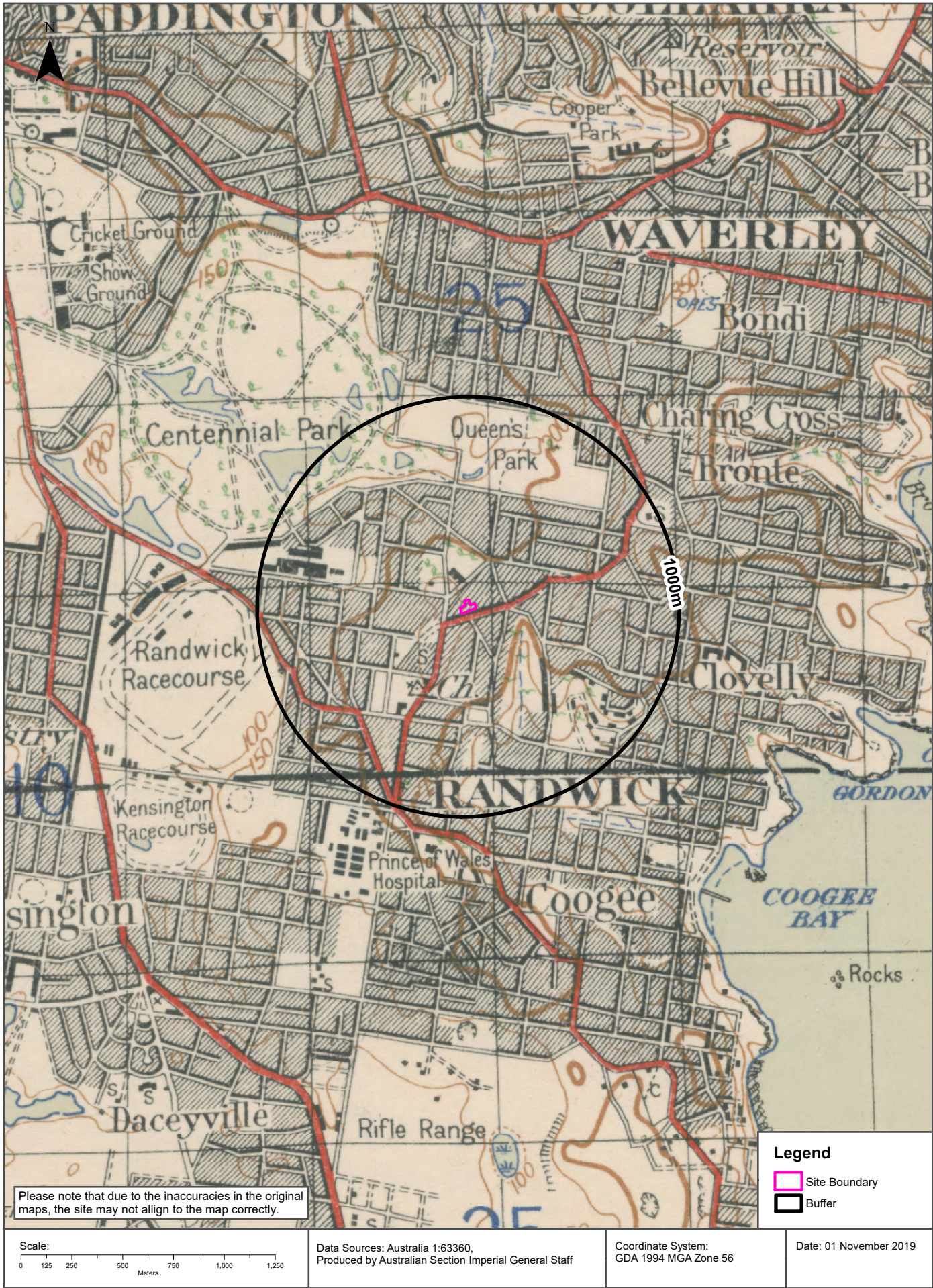
Historical Map 1975

11-19 Frenchmans Road, Randwick, NSW 2031



Historical Map c.1936

11-19 Frenchmans Road, Randwick, NSW 2031



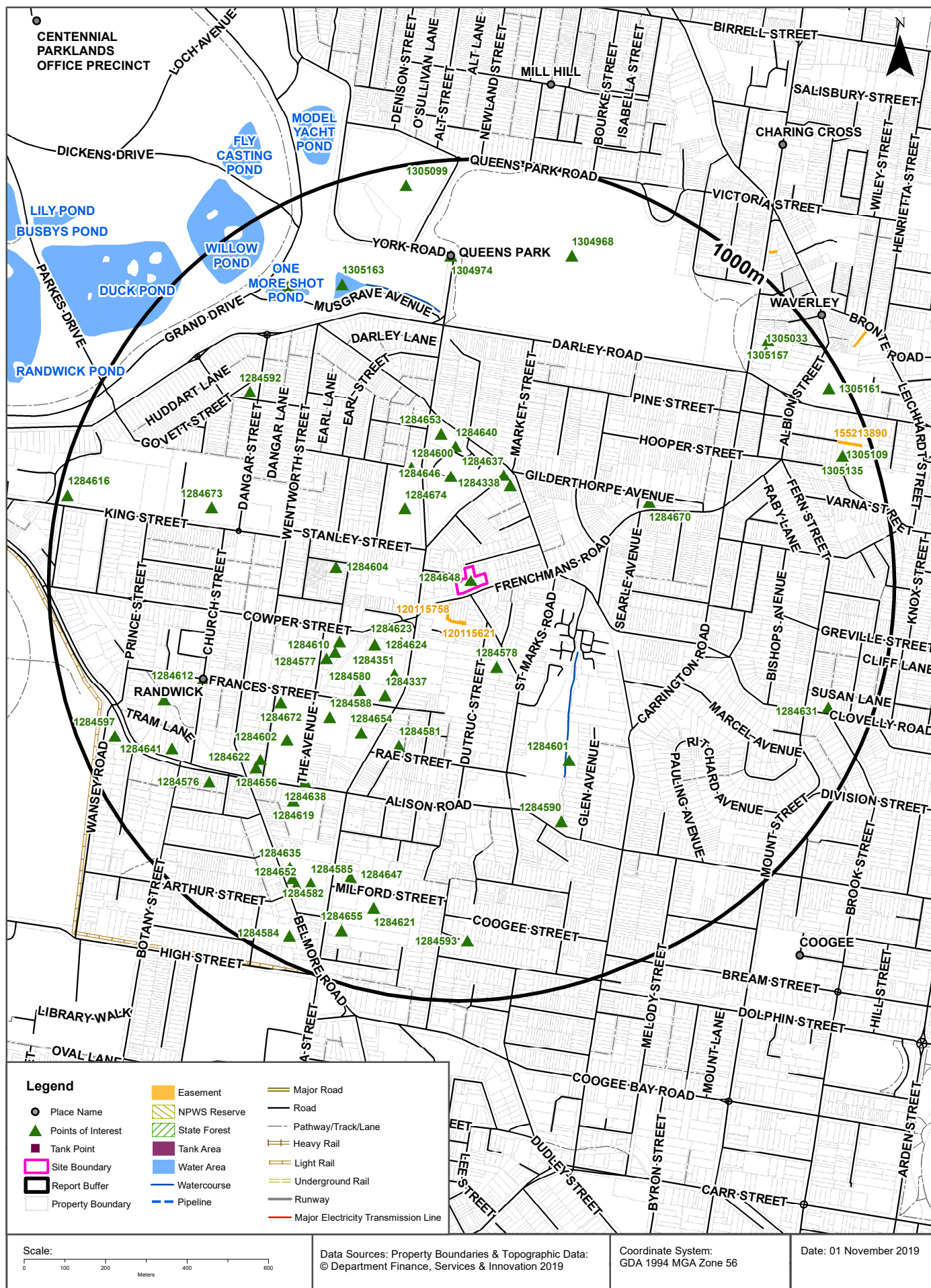
Historical Map c.1917

11-19 Frenchmans Road, Randwick, NSW 2031



Topographic Features

11-19 Frenchmans Road, Randwick, NSW 2031



Topographic Features

11-19 Frenchmans Road, Randwick, NSW 2031

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1284648	Community Home	SUMMITCARE RANDWICK	0m	Onsite
1284623	Special School	CENTENNIAL PARK SCHOOL	183m	South West
1284578	General Hospital	EASTERN SUBURBS PRIVATE HOSPITAL	199m	South
1284674	Combined Primary-Secondary School	EMANUEL SCHOOL	208m	North West
1284338	Community Facility	RANDWICK LITERARY INSTITUTE	219m	North
1284646	Community Home	LITTLE SISTERS OF THE POOR MOUNT ST JOSEPH'S HOME	228m	North
1284637	Park	BLESSED MARY MACKILLOP PLACE	236m	North
1284624	Primary School	RANDWICK PUBLIC SCHOOL	239m	South West
1284351	High School	SATURDAY SCHOOL OF COMMUNITY LANGUAGES RANDWICK CE	251m	South West
1284357	High School	NSW SCHOOL OF LANGUAGES	251m	South West
1284600	Park	RANDWICK PEACE PARK	280m	North West
1284604	Park	FRANK DOYLE PARK	297m	West
1284640	Primary School	ST MARGARET MARY'S CATHOLIC PRIMARY SCHOOL	298m	North
1284337	Community Facility	RANDWICK TOWN HALL	307m	South West
1284610	Sports Field	BOWLING GREENS	313m	South West
1284574	Club	RANDWICK BOWLING CLUB	333m	South West
1284653	Place Of Worship	ST MARGARET MARY'S CHURCH	335m	North
1284580	Local Government Chambers	RANDWICK CITY COUNCIL	338m	South West
1284577	Fire Station	RANDWICK FIRE STATION	359m	South West
1284581	Place Of Worship	UNITING CHURCH	400m	South West
1284654	Place Of Worship	ST JUDE'S ANGLICAN CHURCH	416m	South West
1284588	Cemetery	Cemetery	437m	South West
1284670	Park	BIELER PARK	440m	North East
1284601	Park	GLEBE GULLY	478m	South East
1284672	Child Care Centre	RANDWICK COOGEE PRE-SCHOOL	510m	South West
1284602	Park	ALISON PARK	552m	South West
1284638	Police Station	RANDWICK POLICE STATION	594m	South West
1284590	Park	FRED HOLLOWS RESERVE	610m	South
1284673	Nursing Home	RANDWICK MONTEFIORE HOME	627m	West
1284622	Primary School	COOGEE BOYS PREPARATORY SCHOOL	633m	South West

Map Id	Feature Type	Label	Distance	Direction
1284619	High School	MARCELLIN COLLEGE	649m	South West
1284656	Place Of Worship	RANDWICK PRESBYTERIAN CHURCH	654m	South West
1284612	Suburb	RANDWICK	659m	West
1284592	Park	GOVETT RESERVE	683m	North West
1284647	Community Home	MILFORD HOUSE NURSING HOME	745m	South
1305163	Manmade Waterbody	MUSGRAVE POND	761m	North West
1284576	Club	RANDWICK LABOR CLUB	765m	South West
1304974	Suburb	QUEENS PARK	766m	North
1284664	Park	KYNASTON AVENUE RESERVE	767m	West
1284635	Library	MARGARET MARTIN LIBRARY	788m	South West
1284621	Primary School	OUR LADY OF THE SACRED HEART SCHOOL	798m	South
1284585	Shopping Centre	ROYAL RANDWICK SHOPPING CENTRE	798m	South West
1284641	Special School	THE JOSEPH VARGA SCHOOL	798m	South West
1304968	Park	QUEENS PARK	802m	North
1284582	Post Office	RANDWICK POST OFFICE	808m	South West
1284564	Manmade Waterbody	ONE MORE SHOT POND	818m	North West
1284652	Medical Centre	RANDWICK EARLY CHILDHOOD CENTRE	819m	South West
1284593	Park	Park	852m	South
1284655	Place Of Worship	OUR LADY OF THE SACRED HEART	874m	South
1305033	Nursing Home	BUPA QUEENS PARK	879m	North East
1284631	Post Office	CLOVELLY WEST POST OFFICE	890m	East
1305157	Retirement Village	QUEENS PARK ASSISTED LIVING	900m	North East
1284597	Park	GEORGE DAN RESERVE	911m	South West
1305109	Club	BRONTE BOWLING CLUB	924m	East
1305135	Sports Field	BOWLING GREENS	924m	East
1284584	Shopping Centre	RANDWICK PLAZA	935m	South West
1305099	Combined Primary-Secondary School	MORIAH COLLEGE	951m	North
1284537	Manmade Waterbody	WILLOW POND	956m	North West
1305161	Combined Primary-Secondary School	ST CATHERINE'S SCHOOL	959m	North East
1284616	University	UNIVERSITY OF NEW SOUTH WALES RANDWICK CAMPUS	977m	West

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

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Topographic Features

11-19 Frenchmans Road, Randwick, NSW 2031

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
	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
	No records in buffer					

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

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Major Easements

What Major Easements exist within the dataset buffer?

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

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120115621	Primary	Undefined		31m	South West
120115758	Primary	Undefined		64m	South West
155213890	Primary	Right of way	3.05m	925m	East

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

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Topographic Features

11-19 Frenchmans Road, Randwick, NSW 2031

State Forest

What State Forest exist within the dataset buffer?

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

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

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National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

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

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

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Hydrogeology & Groundwater

11-19 Frenchmans Road, Randwick, NSW 2031

Hydrogeology

Description of aquifers on-site:

Description
Porous, extensive highly productive aquifers

Description of aquifers within the dataset buffer:

Description
Porous, extensive highly productive aquifers

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

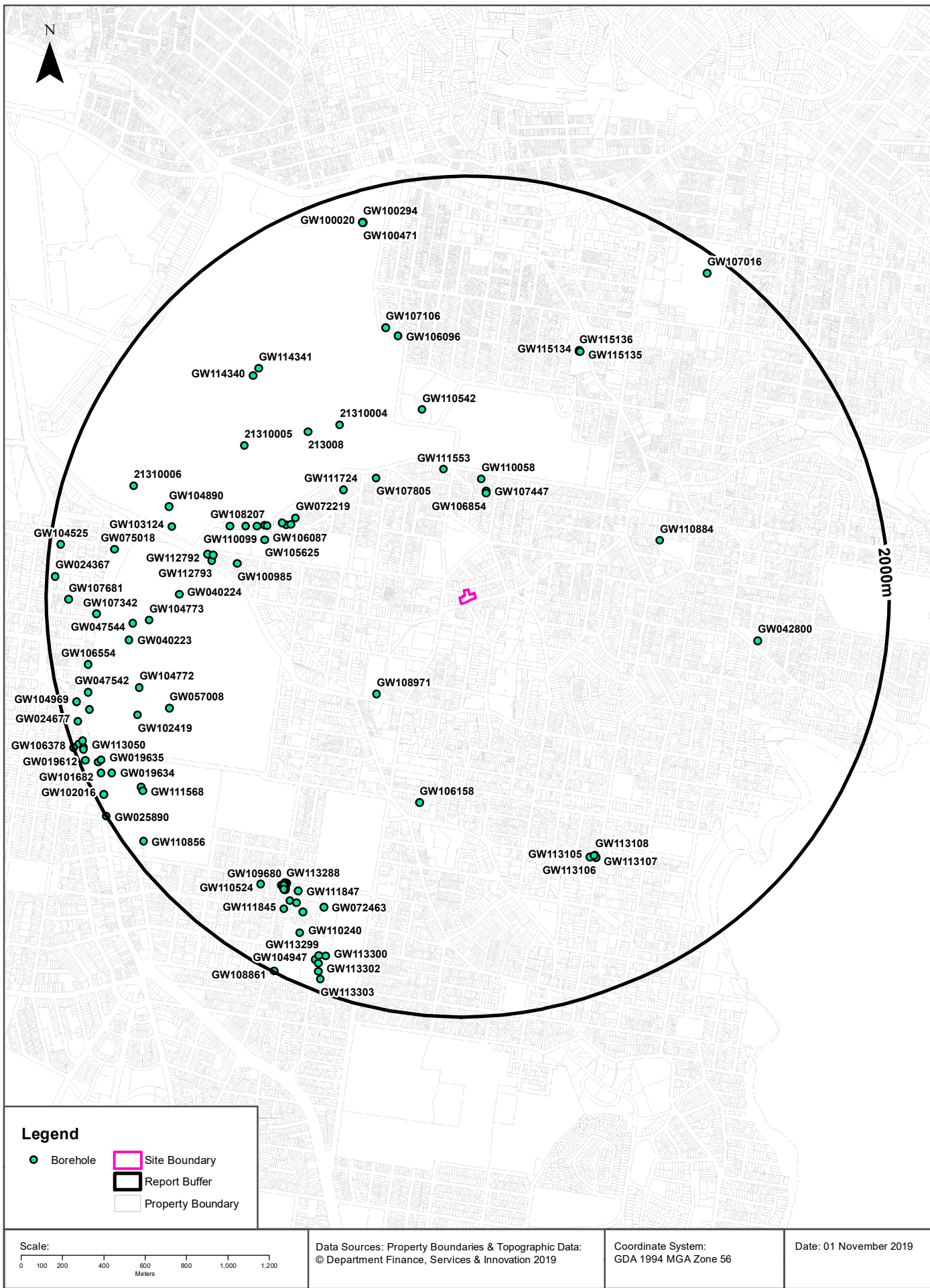
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Botany Groundwater Management Zones

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

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

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



Hydrogeology & Groundwater

11-19 Frenchmans Road, Randwick, NSW 2031

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)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW106 854	10BL163 505, 10WA11 3597	Spear	Private	Domestic	Domestic		15/02/2005	7.00	7.00					472m	North
GW107 447	10BL163 858, 10WA11 3693	Spear	Private	Domestic	Domestic		17/06/2004	8.23	8.24	Good	5.49	1.000		484m	North
GW110 058	10BL600 038, 10WA11 4085	Spear	Private	Domestic	Domestic		01/01/2006	8.00			2.00	2.200		536m	North
GW111 553	10BL165 565, 10WA11 3994	Bore	Private	Domestic	Domestic		01/01/2005	14.00	14.00					591m	North
GW108 971	10BL601 798, 10BL602 256, 10WA10 9523	Bore	Other Govt	Recreation (groundwater), Test Bore	Recreation (groundwater)		27/06/2008	216.00	216.00	Fresh	27.00	0.050		597m	South West
GW107 805	10BL165 702, 10WA11 4024	Bore	Private	Domestic	Domestic		27/02/2006							688m	North West
GW111 724	10BL165 065, 10WA11 3914	Spear	Private	Domestic	Domestic		01/01/2008	6.00	6.00		4.50	1.000		757m	North West
GW072 219		Spear	Private		Domestic		28/02/1995	8.00	8.00					881m	North West
GW108 166	10BL600 428, 10WA11 4145	Spear		Domestic	Domestic		29/05/2007	8.00				10.000		888m	West
GW110 542	10BL603 341, 10WA11 4577	Bore	Private	Domestic	Domestic		12/10/2009	27.80	28.00	134	12.20	0.600		896m	North
GW106 087	10BL162 976	Spear	Private	Domestic	Domestic		14/04/2004	7.63	7.63		4.58	1.000		908m	West
GW106 078	10BL162 975, 10WA11 3514	Spear	Private	Domestic	Domestic		14/04/2004	7.32	7.32		4.27	1.000		929m	West
GW110 884	10BL600 695	Spear	Private	Test Bore	Test Bore		26/03/2010	4.50	4.50					933m	East
GW106 158	10BL162 658, 10WA11 3466	Bore		Domestic			29/06/2005							983m	South
GW105 625	10BL162 884, 10BL164 953, 10WA11 4735	Bore		Recreation (groundwater), Test Bore	Recreation (groundwater)		06/12/2004	13.80	14.00	172	4.60	0.900		983m	West

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW106 671	10BL162 426, 10WA11 3425	Spear	Private	Domestic	Domestic		15/10/2004	9.50	9.50					992m	West
213100 04					UNK								42.05	1000m	North West
GW108 207	10BL162 227, 10WA11 3369	Spear		Domestic	Domestic		01/01/2004	9.50			5.00	1.000		1004m	West
GW110 099	10BL162 241, 10WA11 3374	Bore	Private	Domestic	Domestic		01/01/2003	8.00			2.00	2.500		1038m	West
213008					UNK								39.12	1075m	North West
GW100 985	10BL156 951, 10WA11 3088	Spear	Private	Domestic	Domestic		28/08/1995	5.18	5.18	Good	2.14	1.000		1087m	West
GW105 730	10BL162 270, 10WA11 3386	Bore	Private	Domestic	Domestic		15/11/2003	8.00	8.00					1088m	West
GW101 699	10BL158 646, 10WA11 3259	Bore		Domestic	Domestic		03/06/1998	7.00	7.00					1162m	West
GW112 791	10BL602 685	Bore	Private	Monitoring Bore	Monitoring Bore	Ampol	03/09/2013	3.30	3.30		1.90			1209m	West
GW112 793	10BL602 685	Bore	Private	Monitoring Bore	Monitoring Bore	Ampol	03/09/2013	4.80	4.80		2.50			1211m	West
GW112 792	10BL602 685	Bore	Private	Monitoring Bore	Monitoring Bore	Ampol	03/09/2013	5.00	5.00		2.50			1236m	West
GW115 134	10BL604 644			Monitoring Bore	Monitoring Bore		10/04/2011	4.80	4.80					1271m	North East
213100 05					UNK								37.92	1271m	North West
GW106 096	10BL162 969, 10WA11 3513	Spear	Private	Domestic	Domestic		15/05/2004	9.50	9.50					1271m	North
GW115 135	10BL604 644			Monitoring Bore	Monitoring Bore		30/05/2011	10.00	10.00					1272m	North East
GW115 136	10BL604 644			Monitoring Bore	Monitoring Bore		14/04/2011	0.80	0.80					1273m	North East
GW107 106	10BL163 311, 10WA11 3556	Spear	Private	Domestic	Domestic		04/06/2005	9.50	9.50					1326m	North
GW040 224		Spear	Private		Recreation (groundwater r)			7.00	7.00				30.04	1356m	West
GW113 105	10BL602 800	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Coogee	18/11/2008	4.90	4.90					1369m	South East
GW113 108	10BL602 800	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Coogee	23/07/2009	7.00	7.00					1372m	South East
GW113 109	10BL602 800	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Coogee	23/07/2009	3.50	3.50					1373m	South East
GW042 800	10BL105 375	Bore	Local Govt	Recreation (groundwater r)	Recreation (groundwater r)		01/04/1976	14.30	14.30					1382m	East
GW113 106	10BL602 800	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Coogee	18/11/2008	5.50	5.50					1384m	South East
GW113 107	10BL602 800	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Coogee	20/07/2009	8.50	8.50					1384m	South East
GW103 124	10BL156 139, 10CA11 4621	Excavation		Irrigation, Recreation (groundwater r)	Recreation (groundwater r)		01/01/1995	75.00	75.00			40.00 0		1431m	West
GW114 340	10BL604 956	Bore	Other Govt	Monitoring Bore	Monitoring Bore	Centennial Park	12/09/2011	5.55	5.55		3.42			1454m	North West

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW114 341	10BL604 956	Bore	Other Govt	Monitoring Bore	Monitoring Bore	Centennial Park	12/09/2011	2.72	2.72		1.41			1462m	North West
GW104 890	10BL161 843, 10BL162 062, 10CA11 4621	Bore	Other Govt	Irrigation, Recreation (groundwater), Test Bore	Irrigation		19/06/2003	25.00	25.80	104	0.90	1.000		1472m	West
GW057 008	10BL124 553	Bore	Private	Test Bore	Industrial		01/10/1981	30.00	30.00					1497m	West
GW104 773	10BL161 316, 10BL162 009, 10CA11 4623	Bore	Private	Industrial, Irrigation, Recreation (groundwater), Test Bore	Recreation (groundwater)		20/02/2003	25.00	25.00	290	4.90	3.000		1504m	West
GW047 544	10BL108 893, 10CA11 4623	Bore	Private	Industrial, Irrigation, Recreation (groundwater)	Industrial, Irrigation		01/07/1978	23.00	23.00					1584m	West
GW113 287	10BL604 337	Bore	Private	Monitoring Bore	Monitoring Bore	7-Eleven - Randwick	01/05/2010	3.90	3.90		2.50			1593m	South West
GW111 847	10BL602 843	Bore	Local Govt	Monitoring Bore	Monitoring Bore		11/08/2009	5.00	5.00		3.77			1596m	South West
GW113 289	10BL604 337	Bore	Private	Monitoring Bore	Monitoring Bore	7-Eleven - Randwick	01/05/2010	4.00	4.00					1597m	South West
GW113 288	10BL604 337	Bore	Private	Monitoring Bore	Monitoring Bore	7-Eleven - Randwick	01/05/2010	4.00	4.00					1600m	South West
GW109 679	10BL602 763, 10WA10 9553	Well	Private	Groundwater Remediation	Groundwater Remediation		13/10/2008	6.00	6.00					1602m	South West
GW104 772	10BL161 316, 10BL162 010, 10CA11 4623	Bore	Private	Industrial, Irrigation, Recreation (groundwater), Test Bore	Recreation (groundwater)		20/02/2003	25.00	25.00	290	4.90	3.000		1605m	West
GW111 554	10BL602 666	Bore	Private	Monitoring Bore	Monitoring Bore		03/09/2008	4.00	4.00		2.58			1610m	South West
GW040 223		Spear	Private		Recreation (groundwater)			7.00	7.15				28.37	1611m	West
GW072 463	10BL156 227, 10WA11 4625	Bore	Private	Industrial	Industrial		14/11/1994	43.00	43.00		8.60	1.870		1612m	South West
GW109 680	10BL602 763, 10WA10 9553	Well	Private	Groundwater Remediation	Groundwater Remediation		14/10/2008	5.50	5.50					1615m	South West
GW112 858	10BL603 083	Bore	Private	Monitoring Bore	Monitoring Bore		14/05/2009	3.50	3.50					1618m	South West
GW109 681	10BL602 763, 10WA10 9553	Well	Private	Groundwater Remediation	Groundwater Remediation		13/10/2008	6.00	6.00					1620m	South West
GW112 857	10BL603 083	Bore	Private	Monitoring Bore	Monitoring Bore		05/05/2009	5.20	5.20					1624m	South West
GW112 856	10BL603 083	Bore	Private	Monitoring Bore	Monitoring Bore		14/05/2009	5.00	5.00					1625m	South West
GW112 855	10BL603 083	Bore	Private	Monitoring Bore	Monitoring Bore		05/05/2009	6.50	6.50		2.23			1625m	South West
GW111 846	10BL602 843	Bore	Local Govt	Monitoring Bore	Monitoring Bore		11/08/2009	5.60	5.60		2.94			1652m	South West
GW102 419	10BL156 872, 10CA11 4623	Bore		Industrial, Irrigation, Recreation (groundwater)	Industrial		01/01/1978	22.00			3.00	10.000		1653m	West
GW017 851	10BL008 581	Bore	Private	Commercial	Commercial		01/03/1958	4.50	4.60					1659m	South West

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW110 524	10BL601 622, 10WA10 9195	Bore	Private	Domestic	Domestic		18/11/2009	1.50	1.50					1665m	South West
213100 06					UNK								31.69	1666m	West
GW111 844	10BL602 843	Bore	Local Govt	Monitoring Bore	Monitoring Bore		11/08/2009	4.80	4.80		2.67			1676m	South West
GW075 018		Bore	NSW Office of Water		Monitoring Bore	BOTANY BOREFIELD AT RANDWICK RACECOURSE	08/07/1998	43.00	44.00		0.48		8.59	1685m	West
GW111 845	10BL602 843	Bore	Local Govt	Monitoring Bore	Monitoring Bore		11/08/2009	3.00	3.00		2.69			1707m	South West
GW107 342	10BL165 349, 10WA11 3965	Spear	Private	Domestic	Domestic		25/08/2005	5.18	5.19	Good	3.35	1.000		1757m	West
GW110 240	10BL600 416, 10BL602 332, 10WA11 4779	Bore	Private	Recreation (groundwater), Stock, Test Bore	Recreation (groundwater)		12/11/2008	150.00	150.00	100	16.50	0.500		1773m	South West
GW111 567	10BL604 946	Bore	Private	Monitoring Bore	Monitoring Bore		01/08/2011	8.00	8.00	145	5.20			1783m	South West
GW111 568	10BL604 946	Bore	Private	Monitoring Bore	Monitoring Bore		01/08/2011	8.60	8.60	123	5.20			1785m	South West
GW106 554	10BL162 310, 10WA11 3400	Spear	Private	Domestic	Domestic		13/11/2004	6.00	6.00	Good	3.00	0.500		1823m	West
GW113 300	10BL604 336	Bore	School	Monitoring Bore	Monitoring Bore	Dept of Ed - Rainbow St School	01/11/2010	5.20	5.20					1827m	South
GW113 299	10BL604 336	Well	Private	Monitoring Bore	Monitoring Bore		01/11/2010	5.20						1838m	South
GW100 471	10BL157 011, 10WA10 8362	Bore		Domestic	Domestic		29/09/1995	6.00						1845m	North
GW100 841	10BL157 561, 10WA10 8378	Spear	Private	Domestic	Domestic		29/03/1996	10.00	10.00					1846m	North
GW100 393	10BL154 628	Bore	Private	Monitoring Bore	Monitoring Bore		06/08/1993	20.00	20.00					1846m	North
GW100 020	10BL156 660, 10WA10 8348	Spear	School	Domestic	Domestic		01/05/1995	9.00	9.00	Good	6.70	1.000		1846m	North
GW100 294	10BL153 234	Bore	Private	Monitoring Bore	Monitoring Bore		05/08/1993	20.00	20.00		6.70	6.110		1846m	North
GW047 542	10BL110 201, 10CA11 4623	Bore	Private	Industrial, Irrigation, Recreation (groundwater)	Industrial, Irrigation		01/01/1978	30.50	30.50					1852m	West
GW104 947	10BL160 513	Bore		Test Bore	Test Bore		21/02/2002	5.00	5.00	210	2.71	0.650		1861m	South West
GW047 543	10BL110 202, 10CA11 4623	Bore	Private	Industrial, Irrigation, Recreation (groundwater)	Industrial, Irrigation		01/01/1978	30.50	30.50					1866m	West
GW113 301	10BL604 336	Bore	School	Monitoring Bore	Monitoring Bore	Dept of Ed - Rainbow St School	01/11/2010	5.20	5.20					1872m	South
GW019 634	10BL012 859	Bore	Other Govt	Irrigation	Recreation (groundwater)		01/04/1954	32.60	32.60					1874m	South West

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW107 681	10BL163 088	Bore		Dewatering (groundwater)			15/12/2006							1890m	West
GW028 827	10BL022 485	Bore	Other Govt	Irrigation	Recreation (groundwater)		01/07/1968	32.60	32.60					1897m	South West
GW019 635	10BL012 860	Bore	Other Govt	Irrigation	Recreation (groundwater)		01/09/1955	28.40	28.50					1897m	South West
GW113 302	10BL604 336	Bore	School	Monitoring Bore	Monitoring Bore	Dept of Ed - Rainbow St School	01/11/2010	5.20	5.20					1909m	South
GW107 016	10BL164 341, 10BL164 894	Bore		Recreation (groundwater), Test Bore	Recreation (groundwater)		12/11/2004	130.40	130.40	150	21.60	0.700		1913m	North East
GW034 992	10BL030 088, 10BL156 719, 10WA11 4637	Bore	Private	Industrial, Recreation (groundwater)	Industrial, Recreation (groundwater)		08/08/1995	41.00	41.00	Fresh	7.50	19.000		1914m	South West
GW104 969	10BL160 301, 10WA11 3307	Bore	Private	Domestic	Domestic		27/11/2001	6.00	6.00		3.00	1.000		1917m	West
GW110 856	10BL601 283	Bore	Private	Monitoring Bore	Monitoring Bore		22/07/2004	13.20	13.20	176	10.00	1.000		1917m	South West
GW101 682	10BL156 791, 10WA11 4637	Bore	Private	Industrial, Recreation (groundwater)	Industrial, Recreation (groundwater)		23/08/1995	33.00	41.00	Fresh				1921m	South West
GW024 677	10BL018 344	Spear	Private	Industrial	General Use		01/06/1966	4.80	4.90	Good				1937m	West
GW113 303	10BL604 336	Bore	School	Monitoring Bore	Monitoring Bore	Dept of Ed - Rainbow St School	01/11/2010	5.20	5.20					1940m	South
GW113 051	10BL602 811	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Kensington	13/11/2008	7.50	7.50					1945m	West
GW104 525	10BL160 923	Bore	Private	Monitoring Bore	Monitoring Bore		13/11/2002	17.65	17.65	Good	2.00	7.000		1946m	West
GW113 050	10BL602 811	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Kensington	12/11/2008	10.50	10.50					1951m	West
GW113 049	10BL602 811	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Kensington	21/10/2013	8.00	8.00					1954m	West
GW024 367	10BL018 457	Spear	Private	Commercial	General Use		01/07/1966	4.20	4.30	Good				1957m	West
GW102 016	10BL156 792, 10WA11 4637	Bore		Industrial, Recreation (groundwater)	Industrial, Recreation (groundwater)		11/09/1995	32.00	35.00	Fresh	7.20	18.000		1958m	South West
GW113 048	10BL602 811	Bore	Private	Monitoring Bore	Monitoring Bore	Caltex - Kensington	13/11/2008	8.50	8.50					1967m	West
GW019 612	10BL012 857	Bore	Other Govt	Irrigation	Recreation (groundwater)		01/10/1955	31.30	31.40					1968m	South West
GW108 861	10BL164 832, 10BL601 893, 10WA10 9499	Bore	Local Govt	Recreation (groundwater), Test Bore	Recreation (groundwater)		08/05/2008	114.00	114.00		20.00	2.210		1994m	South West
GW106 378	10BL163 862, 10WA11 3695	Spear	Private	Domestic	Domestic		23/08/2004	7.00	7.00	Good	5.00	0.500		1997m	West
GW025 890	10BL014 914, 10BL600 316, 10WA11 2802	Bore	Other Govt	Industrial, Irrigation, Recreation (groundwater)	Irrigation		01/07/1965	31.30	31.40	0-500 ppm				1999m	South West

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

Hydrogeology & Groundwater

11-19 Frenchmans Road, Randwick, NSW 2031

Driller's Logs

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

Groundwater No	Drillers Log	Distance	Direction
GW106854	0.00m-7.00m sand	472m	North
GW107447	0.00m-8.23m Sand, unconsolidated	484m	North
GW108971	0.00m-0.30m TOPSOIL 0.30m-1.80m SANDY CLAY 1.80m-3.50m WHITE CLAY 3.50m-9.00m COLOURED SANDSTONE 9.00m-39.00m WHITE SANDSTONE 39.00m-41.00m BLACK SANDSTONE 41.00m-208.00m WHITE SANDSTONE 208.00m-216.00m GREY SHALE	597m	South West
GW072219		881m	North West
GW110542	0.00m-1.00m SAND AND FILL 1.00m-7.00m SAND L/BROWN 7.00m-13.00m SAND L/GREY 13.00m-17.00m SAND YELLOW 17.00m-20.00m SAND GREY 20.00m-23.00m SAND D/GREY 23.00m-27.50m SAND CREAM 27.50m-28.00m SAND AND CLAY	896m	North
GW106087	0.00m-7.63m sand, unconsolidated	908m	West
GW106078	0.00m-7.32m sand, unconsolidated	929m	West
GW110884	0.00m-1.10m SAND AND SANDSTONES 1.10m-2.50m SAND BROWN 2.50m-4.50m SAND,SILTY,BROWN,DECOMPOSED SANDSTONE	933m	East
GW105625	0.00m-1.00m SILTY SAND 1.00m-6.50m L/BROWN SAND 6.50m-8.00m SAND,SMALL CLAY BANDS 8.00m-10.00m W. L/BROWN SAND 10.00m-13.50m W. CREAM SAND 13.50m-13.80m DIRTY YELLOW SAND 13.80m-14.00m RED CLAY	983m	West
GW106671	0.00m-9.50m sand	992m	West
GW100985	0.00m-5.18m UNCONSOLIDATED ALL SANDS	1087m	West
GW105730	0.00m-8.00m sand	1088m	West
GW101699	0.00m-7.00m Sand	1162m	West
GW106096	0.00m-9.50m sand	1271m	North
GW115134	0.00m-0.20m CONCRETE 0.20m-1.00m SAND DARK BROWN 1.00m-1.90m SAND LIGHT BROWN 1.90m-4.80m SANDSTONE BEDROCK	1271m	North East
GW115135	0.00m-0.10m ASPHALT 0.10m-2.00m FILL SAND DARK BROWN FINE GRAINED 2.00m-2.80m SAND BROWN, WEATHERED SANDSTONE 2.80m-5.20m SANDSTONE TAN,TRACE ORANGE 5.20m-6.60m SANDSTONE ORANGE 6.60m-8.10m SANDSTONE LIGHT BROWN AND TAN 8.10m-9.60m SANDSTONE LIGHT BROWN AND LIGHT GREY 9.60m-10.00m SANDSTONE BROWN AND GREY	1272m	North East

Groundwater No	Drillers Log	Distance	Direction
GW115136	0.00m-0.20m CONCRETE 0.20m-0.80m CRUSHED SANDSTONE PALE BROWN/ORANGE	1273m	North East
GW107106	0.00m-9.50m sand	1326m	North
GW042800	0.00m-1.22m Made Ground 1.22m-4.88m Sand Water Supply 4.88m-5.49m Clay Grey Stiff 5.49m-8.84m Sand Grey Water Supply 8.84m-13.11m Sand Yellow Water Supply 13.11m-14.02m Sand Water Supply 14.02m-14.33m Clay Sandy	1382m	East
GW114340	0.00m-5.55m SAND	1454m	North West
GW114341	0.00m-0.20m BITUMEN 0.20m-2.00m SAND 2.00m-2.72m CLAY / SANDSTONE	1462m	North West
GW104890	0.00m-10.50m SAND,BROWN TO GREY 10.50m-13.50m SAND,L/GREY 13.50m-13.60m SANDY CLAY 13.60m-17.00m SAND/L/GREY 17.00m-21.00m SAND L/GREY 21.00m-22.00m SAND/PEAT 22.00m-25.80m L/GREY	1472m	West
GW057008	0.00m-0.20m Topsoil 0.20m-3.00m Sand Grey 3.00m-13.50m Sand 13.50m-18.30m Sand Grey 13.50m-18.30m Peat Seams Clay Bands 18.30m-27.50m Sand Yellow 27.50m-30.00m Clay Grey	1497m	West
GW104773	0.00m-0.50m TOP FILL 0.50m-2.10m LIGHT BROWN SAND 2.10m-9.70m YELLOW SAND 9.70m-9.90m BROWN CLAY 9.90m-14.20m YELLOW SAND 14.20m-15.20m SILTY SAND/CLAY 15.20m-16.80m BROWN SAND 16.80m-20.50m WHITE SILTY SAND 20.50m-24.10m DECOMPOSED SANDSTONE 24.10m-25.00m LIGHT YELLOW SANDSTONE	1504m	West
GW047544	0.00m-2.20m Sand 2.20m-3.50m Sand Yellow 3.50m-4.50m Sand White Water Supply 4.50m-7.50m Sand Water Supply 7.50m-16.20m Sand Yellow Water Supply 16.20m-17.00m Sand White Peaty Clay Water Supply 17.00m-18.00m Sand White Water Supply 18.00m-22.00m Sand Yellow Water Supply 22.00m-23.00m Sandstone Red Soft Water Supply	1584m	West
GW111847	0.00m-0.50m FILL,SLIGHTLY MOIST,PALE PINK,DENSE,SANDSTONE,SAND 0.50m-3.00m SAND,MOIST,PALE GREYS,BROWN,COARSE 3.00m-5.00m SAND,WET,PALE BROWN,MEDIUM GRAINED	1596m	South West
GW109679	0.00m-0.10m CONCRETE 0.10m-1.00m FILL, MOIST,SAND, GRAVEL 1.00m-4.00m SAND, MOIST GREY BROWN 4.00m-6.00m SANDSTONE,ORANGE BROWN	1602m	South West
GW104772	0.00m-0.50m TOP FILL 0.50m-2.10m LIGHT BROWN SAND 2.10m-9.70m YELLOW SAND 9.70m-9.90m BROWN CLAY 9.90m-14.20m YELLOW SAND 14.20m-15.20m SILTY SAND/CLAY 15.20m-16.80m BROWN SAND 16.80m-20.50m WHITE SILTY SAND/CLAY 20.50m-24.10m DECOMPOSED SANDSTONE 24.10m-25.00m L/YELLOW HARD SANDSTONE	1605m	West
GW072463	0.00m-7.00m GREY SAND 7.00m-8.00m GREY CLAY 8.00m-10.50m BROWN SANDSTONE 10.50m-11.00m BROWN SOFT SANDSTONE 11.00m-17.00m GREY SANDSTONE 17.00m-17.50m GREY CLAY 17.50m-43.00m WHITE SANDSTONE	1612m	South West

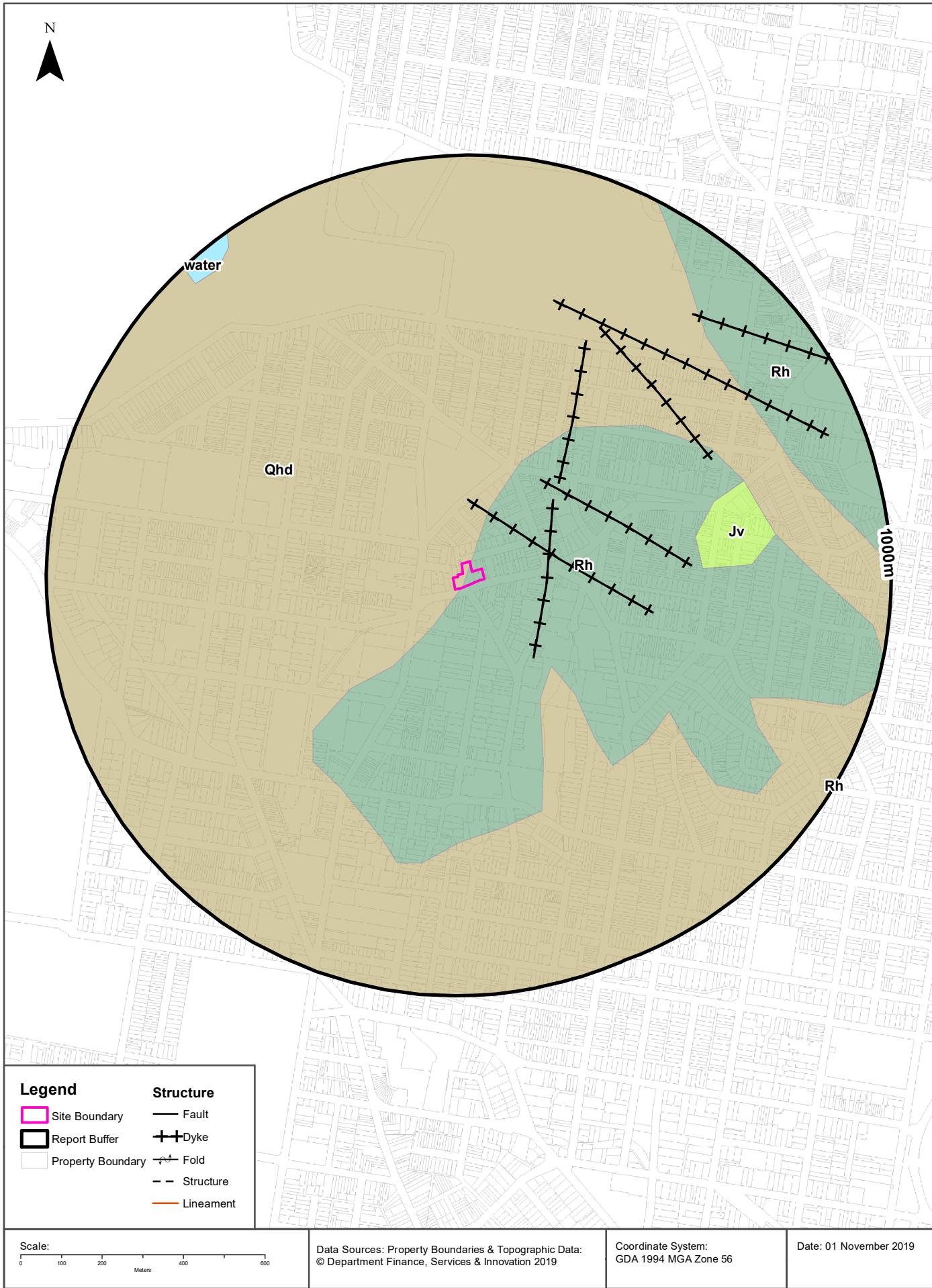
Groundwater No	Drillers Log	Distance	Direction
GW109680	0.00m-0.50m CONCRETE 0.50m-0.70m FILL,PALE,ORANGE 0.70m-1.50m SAND 1.50m-1.90m SANDSTONE 1.90m-3.90m SAND 3.90m-5.50m SANDSTONE,MOIST,PALE,GREY	1615m	South West
GW109681	0.00m-1.00m CONCRETE,FILL,MOIST ORANGE 1.00m-1.30m SAND 1.30m-2.10m SANDSTONE,MOIST,DARK 2.10m-3.50m SAND,WET,PALE 3.50m-6.00m SANDSTONE,SLIGHTLY MOIST,WEATHERED	1620m	South West
GW111846	0.00m-0.20m BITUMEN 0.20m-0.50m FILL,MOIST,BROWN,DENSE,SAND,MINOR ASPHALT 0.50m-5.60m SAND,DENSE,MOIST,ORANGE,BROWN,SANDSTONE	1652m	South West
GW017851	0.00m-4.57m Sand Water Supply	1659m	South West
GW110524	0.00m-1.50m ROCK	1665m	South West
GW111844	0.00m-0.15m FILL,MOIST,GREY BROWN,LOOSE,SAND 0.15m-3.00m SAND,MEDIUM DENSE,MOIST,GREY,M/GRAINED 3.00m-4.80m SAND,WET,PALE BROWN,COARSE GRAINED	1676m	South West
GW075018	0.00m-0.50m FILLING MATERIAL 0.50m-5.00m SAND,MED GRAINED YELLOW 5.00m-15.20m SAND,FINE GRAINED YELLOW 15.20m-19.50m SILTY SAND FINE GRAINED,GREY 19.50m-26.00m SANDY SILT 26.00m-26.50m SAND,MED GRAINED 26.50m-27.50m PEATY SAND 27.50m-29.00m CLAYEY SAND 29.00m-32.00m CLAY,SOFT,FINE 32.00m-39.50m SANDY CLAY,SOFT,MED TO FINE GRAINED 39.50m-43.00m SANDY SILT 43.00m-44.00m SANDY CLAY,SOFT	1685m	West
GW111845	0.00m-0.20m BITUMEN 0.20m-1.00m FILL, MOIST,ORANGE BROWN AND BLACK 1.00m-3.00m SAND MOIST,PALE,M/DENSE,COARSE	1707m	South West
GW107342	0.00m-5.18m Sand, unconsolidated	1757m	West
GW110240	0.00m-0.50m TOPSOIL 0.50m-10.70m SAND COLOURED 10.70m-17.00m SOFT SANDSTONE 17.00m-150.00m HARD SANDSTONE	1773m	South West
GW111567	0.00m-0.03m ASPHALT 0.03m-0.10m SAND AND GRAVEL 0.10m-0.50m FILLING,DARK GREY SAND,TRACE OF GRAVEL 0.50m-0.70m FILLING,BROWN SAND 0.70m-4.00m SAND,ORANGE AND DARK BROWN,F/GRAINED 4.00m-4.50m SAND,LIGHT BROWN,F/GRAINED 4.50m-8.00m SANDMLIGHT YELLOW BROWN,F/GRAINED	1783m	South West
GW111568	0.00m-0.03m ASPHALT 0.03m-0.10m SAND AND GRAVEL 0.10m-1.20m SAND,YELLOW AND BROWN,F/GRAINED 1.20m-8.60m SAND,LIGHT YELLOW BROWN F/GRAINED	1785m	South West
GW106554	0.00m-0.30m topsoil 0.30m-4.20m sand, brown 4.20m-6.00m sand, yellow	1823m	West
GW100020	0.00m-9.00m UNCONSOLIDATED ALL CLEAN SAND	1846m	North
GW100294	0.00m-0.80m FILL 0.80m-8.00m YELLOW SAND 8.00m-12.20m WHITE SAND,WATER BEARING 12.20m-14.20m DARK BROWN PEATY SAND-WATER BEARING 14.20m-16.50m DARK BROWN SAND LESS PEATY-WATER BEARING 16.50m-18.00m LIGHT BROWN SAND, HIGH WATER BEARING 18.00m-19.00m YELLOW SILTY SAND WITH GREY CLAY 19.00m-20.00m DECOMPOSED SANDSTONE, GETTING HARDER	1846m	North
GW100393	0.00m-0.80m FILL 0.80m-12.80m YELLOW SAND - WATER BEARING 12.80m-15.20m WHITE SILTY SAND - WATER BEARING 15.20m-18.00m YELLOW SAND - HIGH WATER BEARING 18.00m-19.00m YELLOW SILTY SAND WITH GREY CLAY 19.00m-20.00m DECOMPOSED SAND STONE	1846m	North

Groundwater No	Drillers Log	Distance	Direction
GW100841	0.00m-10.00m SAND	1846m	North
GW047542	0.00m-0.61m Loam Sandy 0.61m-1.22m Sand 1.22m-2.13m Sand Hard Cemented 2.13m-7.62m Sand 7.62m-10.06m Sand 10.06m-12.19m Sand Peaty 12.19m-14.02m Sand White 14.02m-15.24m Sand White Clayey 15.24m-17.37m Sand White 17.37m-20.73m Sand Peaty 20.73m-21.34m Sand White 21.34m-22.25m Sand Peaty 22.25m-23.16m Sand White Peaty 23.16m-24.38m Sand Slightly Peaty 24.38m-30.18m Sand White Clean 30.18m-30.48m Clay	1852m	West
GW104947	0.00m-0.30m TOPSOIL 0.30m-1.20m WHITE SAND 1.20m-1.40m ROCK COFFEE 1.40m-4.80m YELLOW SAND MG. 4.80m-5.00m YELLOW SILTY SAND	1861m	South West
GW047543	0.00m-30.48m Sand Water Supply	1866m	West
GW019634	0.00m-0.91m Sand Made Ground 0.91m-1.21m Ash Made Ground 1.21m-1.82m Sand Hard Cemented 1.82m-6.70m Sand Packed 6.70m-9.14m Sand Light Brown 9.14m-10.97m Sand Yellow 9.14m-10.97m Peat Bands 10.97m-20.11m Peat Some 10.97m-20.11m Sand Grey 20.11m-23.16m Sand Grey Coarse 20.11m-23.16m Peat Bands 23.16m-26.21m Sand Yellow 26.21m-31.39m Sand White 31.39m-32.61m Sand Yellow 31.39m-32.61m Clay Bands 32.61m-32.62m Peat	1874m	South West
GW019635	0.00m-2.43m Ash Clay 0.00m-2.43m Sand 2.43m-11.58m Sand Clay 11.58m-11.88m Peat Bands 11.88m-14.93m Peat Sandy Wet 14.93m-17.37m Sand Water Supply 17.37m-19.81m Sand White Water Supply 19.81m-21.33m Peat Sandy 21.33m-24.38m Sand Water Supply 24.38m-24.68m Peat Sandy Water Supply 24.68m-25.60m Sand White Coarse 25.60m-28.49m Sand Yellow Water Supply	1897m	South West
GW028827	0.00m-3.65m Sand Dirty 3.65m-11.58m Sand Light Brown Clean 11.58m-13.10m Sand Peaty Water Supply 13.10m-18.89m Sand Grey Water Supply 18.89m-26.51m Sand Dark Brown Peaty Water Supply 26.51m-27.73m Sand Grey Clayey Silty Water Supply 27.73m-32.61m Sand Light Grey Water Supply 32.61m-32.62m Clay Grey Stiff Water Supply	1897m	South West

Groundwater No	Drillers Log	Distance	Direction
GW107016	0.00m-2.00m SANDY LOAM 2.00m-4.00m RED BROWN SANDSTONE/W 4.00m-6.00m L/GREY SANDSTONE/ W. 6.00m-17.00m L/GREY SANDSTONE 17.00m-30.00m GREY SANDSTONE 30.00m-36.00m GREY , FRACTURED SANDSTONE 36.00m-39.80m DARK GREY SANDSTONE 39.80m-40.00m SHALE 40.00m-42.00m DARK,FRACTURED SANDSTONE 42.00m-53.70m LT, GREY SANDSTONE 53.70m-54.00m LT, GREY FRACTURED SANDSTONE 54.00m-80.00m GREY SANDSTONE 80.00m-82.00m SILTY SHALE,SANDSTONE 82.00m-84.00m GREY SANDSTONE QUARTZ 84.00m-86.00m GREY SANDSTONE 86.00m-88.00m GREY SANDSTONE/SILTSTONE 88.00m-92.80m LT GREY SANDSTONE 92.80m-93.00m GREY FRACTURED SANDSTONE 93.00m-95.80m CREAM FRACTURED SANDSTONE 95.80m-106.00m LT/GREY SANDSTONE 106.00m-106.30m LT GREY FRACTURED SANDSTONE 106.30m-121.00m LT GREY SANDSTONE 121.00m-127.00m LT GREY CREAM SANDSTONE 127.00m-130.40m CREAM/LT GREY SANDSTONE	1913m	North East
GW034992	0.00m-1.00m SANDY SOIL,GREY/BROWN 1.00m-2.00m SAND,F.G. LT. BROWN 2.00m-3.00m SAND 3.00m-4.00m SAND, F.G. YELLOW/BROWN 4.00m-7.00m SAND/F.G. 7.00m-12.00m SAND F.G. 12.00m-13.00m A/A WITH THIN PEAT BED 13.00m-14.00m A/A MIN OR PEAT 14.00m-17.00m SAND F.G. WITH YELLOW MIN.PEAT 17.00m-20.00m SAND F.G WH. 20.00m-21.00m A/A WITH PEAT 21.00m-27.00m SAND F.G WITH SL COARSE AT BASE 27.00m-29.00m SAND F.G WITH 10-20 % CLAY 29.00m-34.00m SAND F.G. WITH MIN CLAY AT COARSE 34.00m-36.50m PEAT MASSIVE, OILY 36.50m-38.00m CLAY WITH MIN PEAT 38.00m-41.00m PEAT & CLAY WITH 50:50	1914m	South West
GW104969	0.00m-6.00m SAND	1917m	West
GW110856	0.00m-13.00m SAND 13.00m-13.20m ROCKS	1917m	South West
GW101682	0.00m-1.00m Topsoil 1.00m-3.00m Fill - ash and slag material 3.00m-12.00m Yellow/Brown Sand F.G. 12.00m-15.00m A/A with thin Peat and trace Clay 15.00m-17.00m Yellow/Brown Sand F.G. 17.00m-21.00m White Sand F.G. 21.00m-29.00m Light Brown Sand F.G. 29.00m-33.00m White Sand F.G. 33.00m-41.00m Peat, Clayey, black and oily	1921m	South West
GW024677	0.00m-4.87m Sand Yellow Water Supply	1937m	West
GW104525	0.00m-0.50m FILL S/S CEMENT 0.50m-4.50m SAND/ GREY TO BROWN 4.50m-4.90m SANDY PEAT / D/BROWN 4.90m-16.80m SAND:YELLOW BROWN 16.80m-17.65m PEAT D/ BROWN WITH CEMENTED SAND	1946m	West
GW024367	0.00m-2.43m Sand 2.43m-4.26m Clay Sandy Water Supply	1957m	West
GW102016	0.00m-1.00m Topsoil 1.00m-3.00m Fill material - ash and slag 3.00m-4.00m Light Brown Sand F.G., trace organic matter 4.00m-8.00m Light Brown Sand F.G. 8.00m-11.00m Yellow/Brown Sand F.G. 11.00m-14.00m Sand F.G. with thin peat stringers 14.00m-20.00m Light Brown Sand with trace peat 20.00m-33.00m White Sand F.G. 33.00m-35.00m Peat and Clay	1958m	South West

Groundwater No	Drillers Log	Distance	Direction
GW019612	0.00m-11.58m Sand Clay 11.58m-14.32m Sand Peaty Coloured 14.32m-15.24m Sand Wet 15.24m-19.50m Sand White Water Supply 19.50m-19.81m Peat 19.81m-20.42m Sand Peaty 20.42m-25.90m Sand Dark Brown Water Supply 25.90m-26.82m Sand Water Supply 26.82m-26.97m Clay 26.97m-31.39m Sand White Water Supply	1968m	South West
GW108861	0.00m-0.10m TOPSOIL 0.10m-0.80m SANDY CLAY 0.80m-0.90m GREY CLAY 0.90m-4.00m RED YELLOW SANDSTONE 4.00m-114.00m WHITE SANDSTONE	1994m	South West
GW106378	0.00m-0.30m topsoil 0.30m-2.20m sand, yellow 2.20m-2.60m sand, dark brown 2.60m-7.00m sand, yellow	1997m	West
GW025890	0.00m-0.30m Sand Grey 0.30m-10.05m Sand 10.05m-10.21m Sand Peaty 10.21m-10.97m Sand Dirty Wet 10.97m-12.19m Sand Wet 10.97m-12.19m Clay Bands 12.19m-13.71m Sand Dirty Wet 13.71m-15.24m Sand Water Supply 15.24m-16.76m Sand Grey Water Supply 16.76m-18.28m Sand Grey Peaty Water Supply 18.28m-19.81m Sand Grey Water Supply 19.81m-21.33m Sand Dark Brown Water Supply 19.81m-21.33m Clay Bands 21.33m-22.86m Sand Dark Brown Water Supply 22.86m-25.90m Sand Water Supply 25.90m-29.56m Sand Yellow Water Supply 29.56m-31.39m Sand Yellow Peat 29.56m-31.39m Clay Seams	1999m	South West

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

11-19 Frenchmans Road, Randwick, NSW 2031

Geological Units

What are the Geological Units onsite?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Qhd	Medium to fine-grained marine sand with podsols				Quaternary		Sydney	1:100,000
Rh	Medium to coarse grained quartz sandstone, very minor shale and laminate lenses				Triassic		Sydney	1:100,000

What are the Geological Units within the dataset buffer?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Jv	Volcanic breccia, varying amounts of sedimentary breccia, and basalt.				Jurassic		Sydney	1:100,000
Qhd	Medium to fine-grained marine sand with podsols				Quaternary		Sydney	1:100,000
Rh	Medium to coarse grained quartz sandstone, very minor shale and laminate lenses				Triassic		Sydney	1:100,000
water							Sydney	1:100,000

Geological Structures

What are the Geological Structures onsite?

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

What are the Geological Structures within the dataset buffer?

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

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

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Naturally Occurring Asbestos Potential

11-19 Frenchmans Road, Randwick, NSW 2031

Naturally Occurring Asbestos Potential

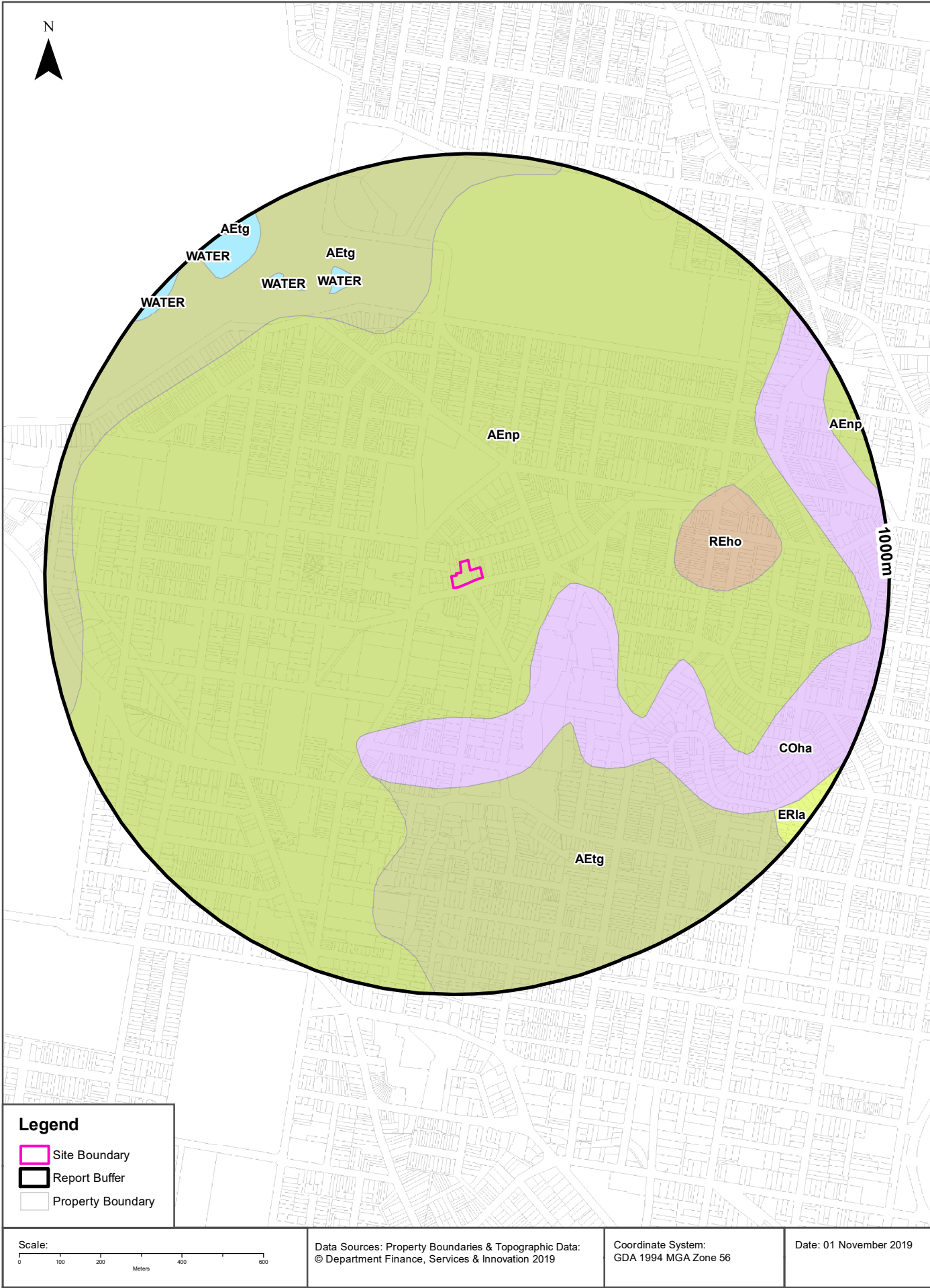
Naturally Occurring Asbestos Potential within the dataset buffer:

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

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

Soil Landscapes

11-19 Frenchmans Road, Randwick, NSW 2031



Soils

11-19 Frenchmans Road, Randwick, NSW 2031

Soil Landscapes

What are the onsite Soil Landscapes?

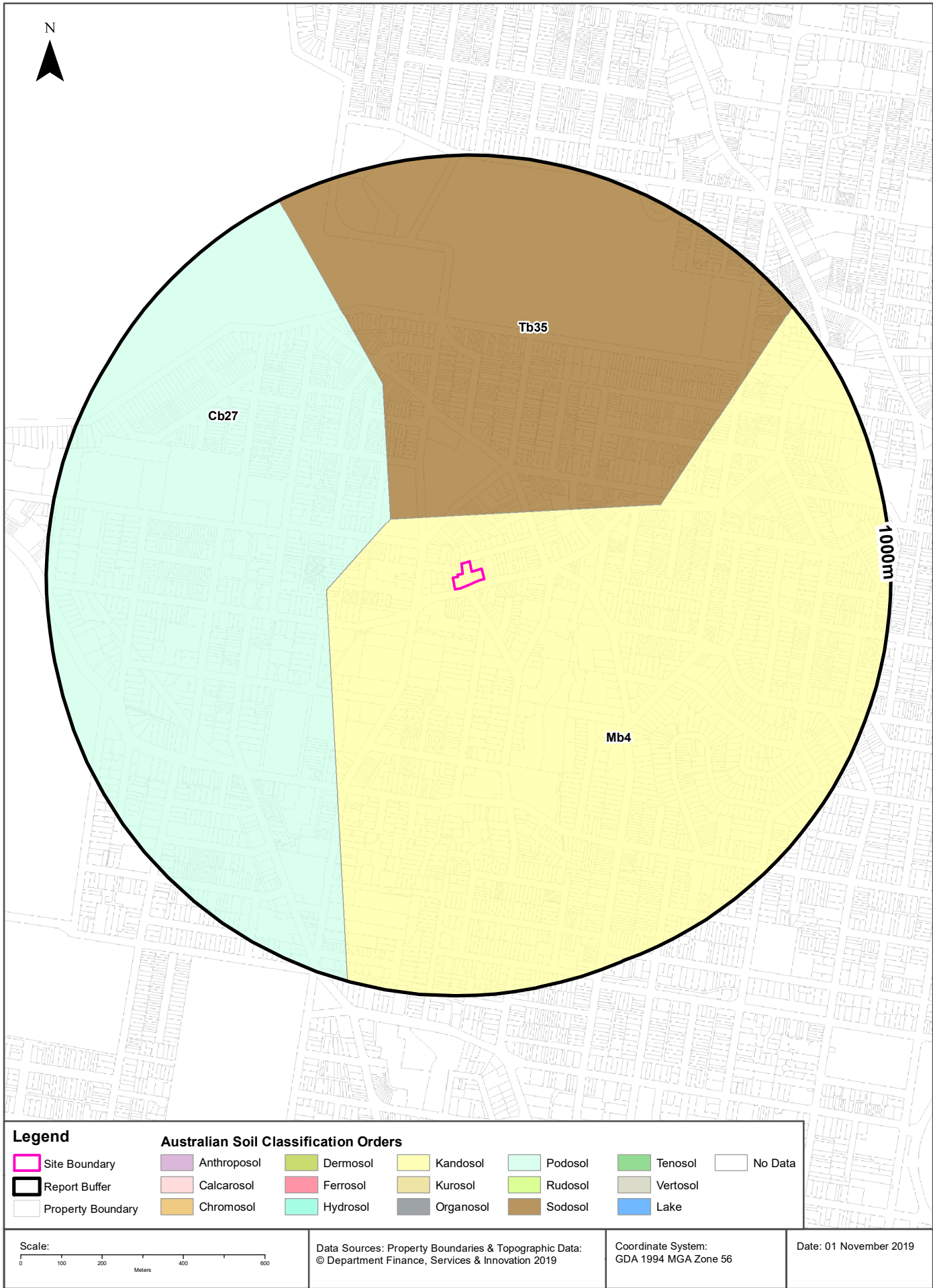
Soil Code	Name	Group	Process	Map Sheet	Scale
AEnp	NEWPORT		AEOLIAN	Sydney	1:100,000

What are the Soil Landscapes within the dataset buffer?

Soil Code	Name	Group	Process	Map Sheet	Scale
AEnp	NEWPORT		AEOLIAN	Sydney	1:100,000
AEtg	TUGGERAH		AEOLIAN	Sydney	1:100,000
COha	HAWKESBURY		COLLUVIAL	Sydney	1:100,000
ERla	LAMBERT		EROSIONAL	Sydney	1:100,000
REho	HORNSBY		RESIDUAL	Sydney	1:100,000
WATER	WATER		WATER	Sydney	1:100,000

Soils Landscapes Data Source : NSW Office of Environment and Heritage

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Soils

11-19 Frenchmans Road, Randwick, NSW 2031

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
Mb4	Kandosol	Coastal complex: chief soils are acid yellow leached earths (Gn2.74) and (Gn2.34), hard acidic yellow mottled soils (Dy3.41), and hard acidic red soils (Dr2.21). This unit includes headlands and rugged coastal areas of unit Mb2; ridges and slopes of unit Tb35; low-lying coastal areas of unit Cb27; and some swampy areas.	0m
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.	117m
Cb27	Podosol	Coastal sand plains and dunes, lagoons, and swampy areas: chief soils are leached sands (Uc2.3 and Uc2.2). Associated are dunes of siliceous sands (Uc1.2) and/or calcareous sands (Uc1.1) fringing the coastline; and swampy areas of (Uf6) soils and (Uc1.2) soils with peaty surfaces. Unit Cb27 has similarities with units Cb28 and Ca6.	208m

Atlas of Australian Soils Data Source: CSIRO

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Acid Sulfate Soils

11-19 Frenchmans Road, Randwick, NSW 2031

Environmental Planning Instrument - Acid Sulfate Soils

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

Soil Class	Description	EPI Name
N/A		

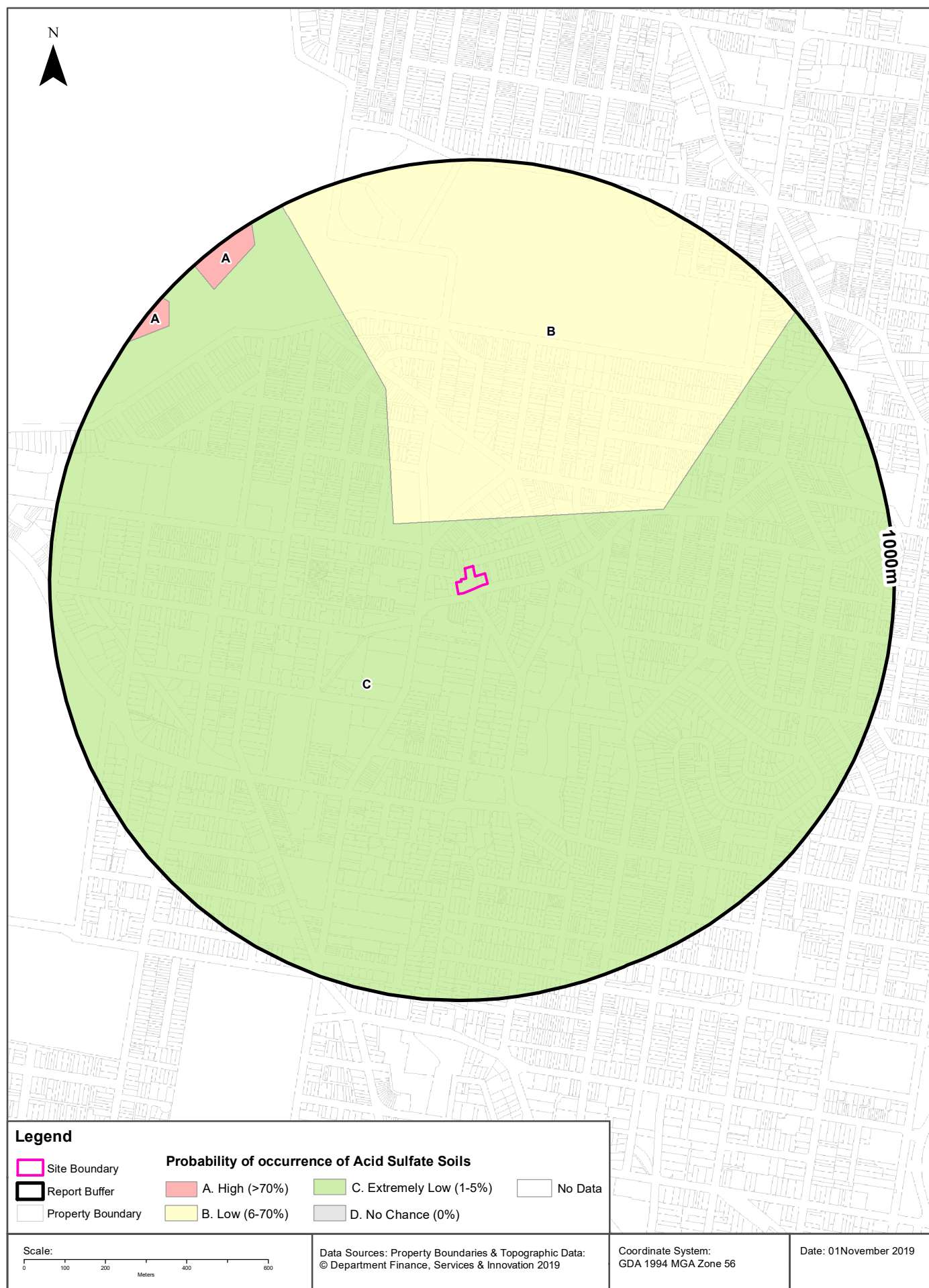
If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	EPI Name	Distance	Direction
N/A				

Acid Sulfate Data Source Accessed 23/10/2018: NSW Crown Copyright - Planning and Environment
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Atlas of Australian Acid Sulfate Soils

11-19 Frenchmans Road, Randwick, NSW 2031



Acid Sulfate Soils

11-19 Frenchmans Road, Randwick, NSW 2031

Atlas of Australian Acid Sulfate Soils

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

Class	Description	Distance
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m
B	Low Probability of occurrence. 6-70% chance of occurrence.	116m
A	High Probability of occurrence. >70% chance of occurrence.	923m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

11-19 Frenchmans Road, Randwick, NSW 2031

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

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

No

What Dryland Salinity assessments are given?

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

Dryland Salinity Data Source : National Land and Water Resources Audit

The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.

In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

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

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

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Mining Subsidence Districts

11-19 Frenchmans Road, Randwick, NSW 2031

Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

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

Mining Subsidence District Data Source: © Land and Property Information (2016)
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State Environmental Planning Policy

11-19 Frenchmans Road, Randwick, NSW 2031

State Significant Precincts

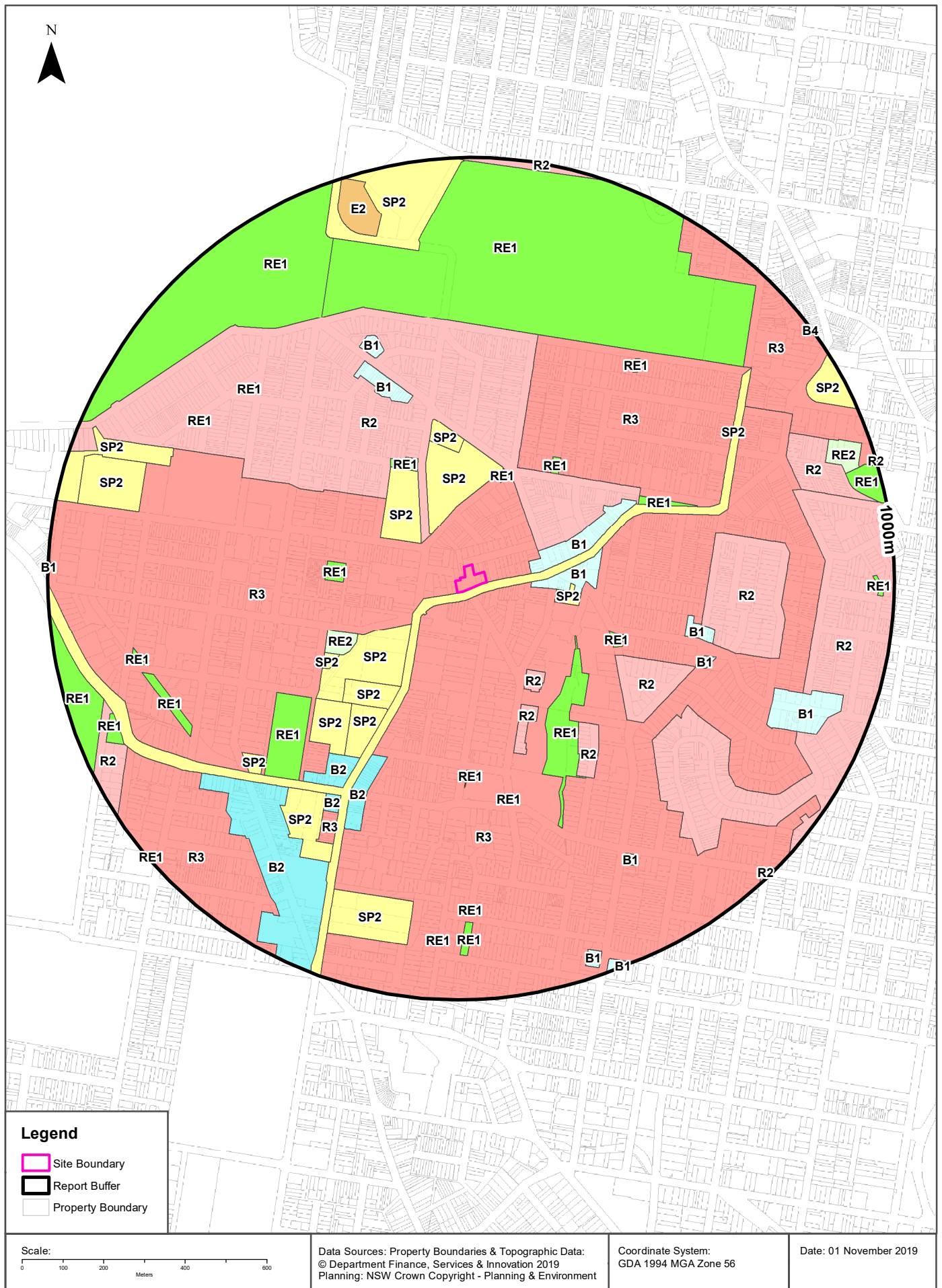
What SEPP State Significant Precincts exist within the dataset buffer?

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

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

11-19 Frenchmans Road, Randwick, NSW 2031



Environmental Planning Instrument

11-19 Frenchmans Road, Randwick, NSW 2031

Land Zoning

What EPI Land Zones exist within the dataset buffer?

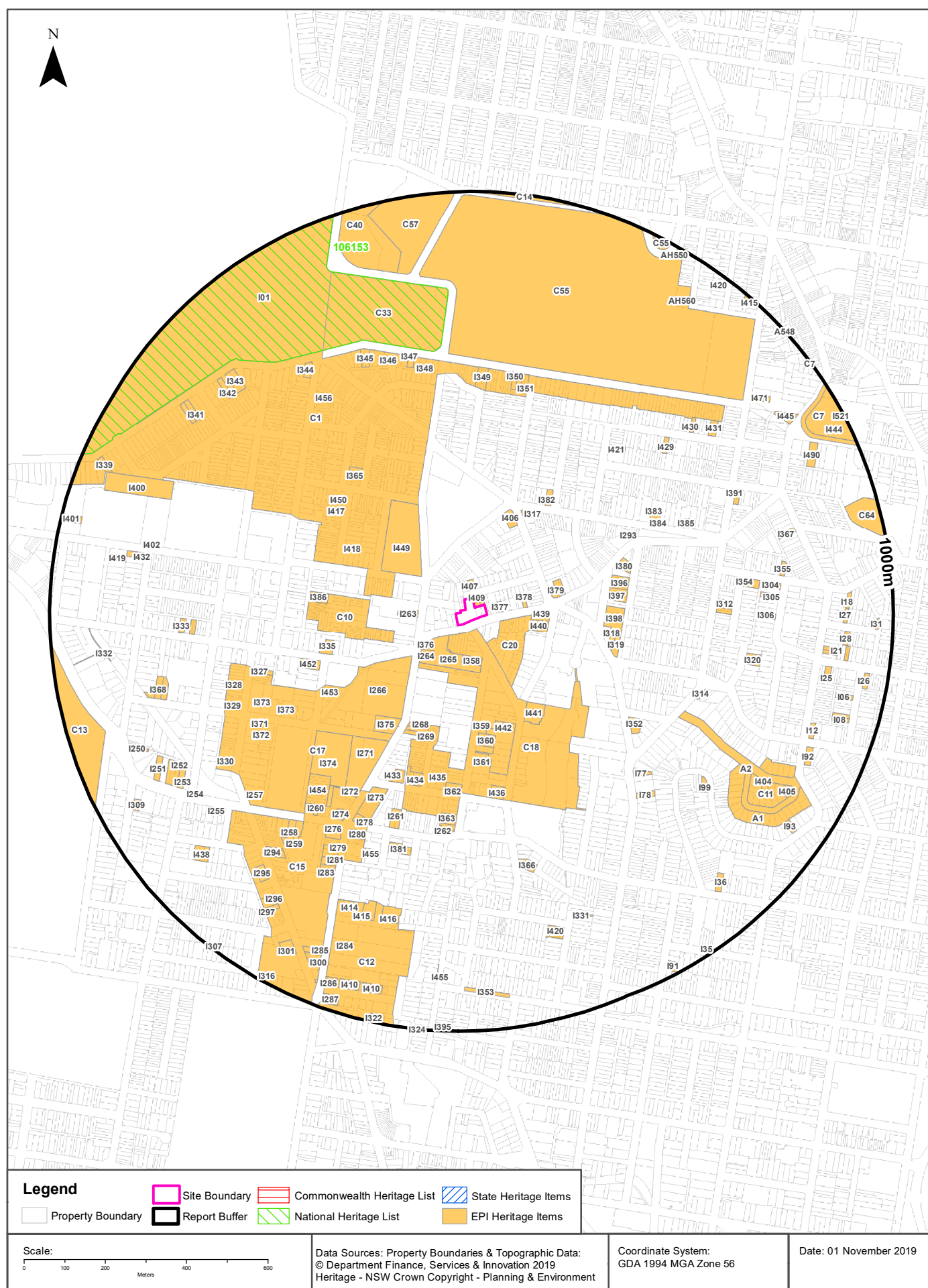
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
R3	Medium Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		0m	Onsite
SP2	Infrastructure	Classified Road	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		0m	South
R3	Medium Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		20m	South East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		108m	East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		111m	East
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		115m	North West
SP2	Infrastructure	Seniors Housing	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		115m	North
SP2	Infrastructure	Educational Establishment	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		120m	North West
SP2	Infrastructure	Educational Establishment	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		138m	South West
SP2	Infrastructure	Electricity Distribution	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		171m	East
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		214m	North
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		235m	South East
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		252m	South East
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		261m	North West
R3	Medium Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		263m	North East
RE2	Private Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		265m	South West
SP2	Infrastructure	Public Administration Building	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		270m	South West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		272m	West
SP2	Infrastructure	Educational Establishment	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		277m	North
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		292m	North East
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		310m	South
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		321m	East
SP2	Infrastructure	Emergency Services Facility	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		327m	South West
SP2	Infrastructure	Community Facility	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		334m	South West
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		361m	South East
SP2	Infrastructure	Cemetery	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		376m	South West
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		409m	South East

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		412m	East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		427m	North West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		436m	South
B2	Local Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		439m	South West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		441m	South West
B2	Local Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		471m	South West
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		499m	East
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		510m	South
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		535m	East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		550m	East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		557m	North West
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		560m	East
B2	Local Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		575m	South West
RE1	Public Recreation		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		583m	North
SP2	Infrastructure	Educational Establishment	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		589m	South West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		612m	North East
R3	Medium Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		614m	South West
SP2	Infrastructure	Educational Establishment	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		622m	South West
B2	Local Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		633m	South West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		668m	North West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		706m	North West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		729m	West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		737m	North West
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		747m	South East
R3	Medium Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		747m	South West
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		751m	East
SP2	Infrastructure	Educational Establishment	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		756m	West
R3	Medium Density Residential		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		757m	North East
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		764m	South
SP2	Infrastructure	Educational Establishment	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		765m	South
SP2	Infrastructure	Educational Establishment	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		782m	North
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		784m	West
R2	Low Density Residential		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		792m	East
SP2	Infrastructure	Bus Depot	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		796m	West

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		807m	South
E2	Environmental Conservation		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		840m	North
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		845m	South
RE2	Private Recreation		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		877m	East
R2	Low Density Residential		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		894m	South West
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		895m	South West
SP2	Infrastructure	Educational Establishment	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		904m	North East
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		906m	West
RE1	Public Recreation		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		917m	East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		930m	South
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		945m	East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		969m	South
RE1	Public Recreation		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		980m	South West
R2	Low Density Residential		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		981m	North
B4	Mixed Use		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		990m	North East
R2	Low Density Residential		Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019		990m	East
B1	Neighbourhood Centre		Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	26/01/2018		994m	West

Environmental Planning Instrument Data Source: NSW Crown Copyright - Planning & Environment
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11-19 Frenchmans Road, Randwick, NSW 2031



Heritage

11-19 Frenchmans Road, Randwick, NSW 2031

Commonwealth Heritage List

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

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

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

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

Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
106153	Centennial Park	Oxford St, Centennial Park NSW	1/12/030/0024	Historic	Listed place	2018-10-02	614m	North West

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

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

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
N/A	No records in buffer							

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

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

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I408	Californian bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	0m	North East
I409	Californian bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	0m	North East
I407	Californian bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	19m	North

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
C18	St Mark's	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	20m	South
I377	2 storey house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	30m	East
C20	Caerleon Crescent Conservation Area	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	34m	South East
I265	Site of Father Shaw's Wireless Works	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	34m	South West
I358	'Ascot', Victorian residence	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	74m	South
I264	'Archina', 2 storey Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	88m	South West
I378	'Glendu', Federation Queen Anne cottage	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	90m	East
I376	Bus shelter	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	92m	South West
I263	2 storey semi-detached pair of houses	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	94m	West
I439	Duke of Gloucester Hotel	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	108m	East
I440	Single storey semi-detached cottage group	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	108m	East
I449	Emanuel School	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	120m	North West
C1	North Randwick	Conservation Area - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	120m	North West
C17	St Jude's	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	138m	South West
I266	Randwick Public School (c 1924) and Randwick North High School (1886)	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	138m	South West
C10	Gordon Square	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	157m	West
I379	2 storey commercial/residential building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	164m	East
I406	Randwick Literary Institute	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	194m	North East
I441	'Rathven', large Italianate house	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	235m	South East
I317	Edwardian commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	235m	North East
I359	Electricity Substation No 287	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	245m	South
I442	Group of Italianate houses	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	250m	South
I268	'Eulalia'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	255m	South West
I269	'Aloha'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	265m	South West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I360	Pair of Victorian residences	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	269m	South
I375	Randwick Town Hall	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	270m	South West
I270	'Braemar'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	276m	South West
I418	Bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	281m	North West
I398	Group of grand Victorian houses	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	287m	East
I382	'Hooper Cottage'	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	287m	North East
I267	Post box	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	288m	South West
I397	Wide-fronted semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	299m	East
I318	'Wellcamp'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	306m	East
I335	'Peckham', Victorian mansion	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	307m	West
I396	Part of Victorian terrace row	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	309m	East
I319	'Rokeby', Victorian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	316m	East
I386	'Gordon Terrace'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	318m	West
I453	Randwick Fire Station	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	327m	South West
I361	Victorian Italianate villa	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	327m	South
I271	St Jude's Group (St Jude's Anglican Church, Rectory, Old Borough Chambers and Hall (Note - Cemetery*)	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	334m	South West
I380	'Venice', grand late Victorian/early Edwardian house	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	334m	East
I452	'Tayar', Italianate house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	350m	West
I435	Part of historic residential streetscape	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	353m	South
I434	Part of historic residential streetscape	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	367m	South
I417	Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	371m	North West
I450	Part of terrace and cottage group	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	375m	North West
I374	St Jude's Cemetery	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	376m	South West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I293	Single storey 1920s cottage	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	378m	North East
I433	Small Gothic church	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	381m	South West
I362	Victorian Italianate residence	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	387m	South
I365	Pair of timber cottages	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	393m	North West
I364	Timber semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	401m	North West
I436	Victorian residence	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	402m	South
I352	Federation residence	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	429m	South East
I273	Victorian and inter-war building (shopfronts with residences above)	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	439m	South West
C15	Randwick Junction	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	439m	South West
I373	Group of Federation mansions	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	450m	South West
I383	Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	452m	North East
I384	Federation semi-detached pair of cottages	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	461m	North East
I363	Sandstone cottage and terraced pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	462m	South
I327	'Woodville', Edwardian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	469m	West
I272	Hetta Building, commercial/residential building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	471m	South West
I261	Residential flat building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	475m	South
I373	Group of Federation mansions	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	478m	South West
I421	'The Pines', boom style house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	486m	North East
I454	'Avonmore Terrace'	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	486m	South West
I262	Freestanding Victorian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	494m	South
I349	Attached row of cottages	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	511m	North
I350	Triple gabled bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	522m	North
I77	Spanish Mission residential flat building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	522m	South East
I351	Semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	523m	North

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I278	Part of Victorian and inter-war building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	524m	South West
I385	Victorian Gothic house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	524m	North East
I372	Federation Queen Anne single storey house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	525m	South West
I274	Former Randwick Post Office	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	531m	South West
A2	Original roadway and turning circle	Item - Archaeological	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	534m	South East
I371	Federation Queen Anne single storey house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	539m	South West
I328	Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	547m	West
I314	Art Deco residential flat building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	554m	East
I381	Pair of 2 storey stone cottages	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	555m	South
I280	Coach and Horses Hotel	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	556m	South West
I275	Jubilee Fountain	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	557m	South West
I260	Stone commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	560m	South West
I313	Semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	563m	East
I312	Nolan Terrace	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	565m	East
I329	Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	567m	West
I78	Spanish Mission residential flat building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	571m	South East
I429	Transitional style Victorian 2 storey house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	573m	North East
I348	Edwardian bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	573m	North
I276	Commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	575m	South West
C55	Queens Park	Conservation Area - Landscape	State	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	583m	North
I277	Commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	585m	South West
I347	Late Edwardian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	585m	North
I455	2 storey semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	587m	South West
I456	'Keletera', symmetrical cottage	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	588m	North West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I366	'Farnham House'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	593m	South
I346	Unusual symmetrical house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	606m	North
C33	Centennial Park (south-east corner)	Conservation Area - Landscape	State	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	614m	North
I259	'Glanmire', Victorian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	615m	South West
I279	'Clovelly', 'Ilfracombe' and 'Torquay', Italianate houses	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	620m	South West
I345	'Alhawa', Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	620m	North
I257	Randwick Presbyterian Church	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	622m	South West
I258	'Seabird', Victorian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	624m	South West
I354	Federation corner house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	634m	East
I334	Semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	639m	West
I330	'Juverna', Art Deco flat buildings	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	645m	South West
I320	Bungalow pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	645m	East
I281	Terraced pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	648m	South West
I430	Edwardian style cottage	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	658m	North East
I391	Semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	659m	North East
I99	1950s house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	661m	South East
I306	'Artney'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	663m	East
I333	'Pepadeniya', Federation bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	665m	West
I344	'Wollungra' corner bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	665m	North West
I282	Terraced pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	666m	South West
I305	Late nineteenth century 2 storey house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	672m	East
I283	'Somerset' and 'Glastonbury'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	677m	South West
I304	2 storey stone pair of semi-detached houses	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	678m	East
I431	2 storey semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	689m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I294	3 storey Art Deco commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	700m	South West
I01	Centennial Park, including Federation monument, Superintendent's residence, park gates, 2 Corinthia*	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	706m	North West
C12	High Cross	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	710m	South
I415	Californian bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	710m	South
I416	'Nugal Hall', Gothic revival sandstone mansion	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	711m	South
C11	Moirs Crescent	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	712m	South East
I414	Victorian mansion	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	724m	South
I355	'Turn of the century house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	726m	East
I369	Federation arts and crafts 2 storey house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	727m	West
I256	'Hillcrest', Victorian terrace	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	733m	South West
I368	Federation arts and crafts 2 storey house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	736m	West
I367	Victorian cottage	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	738m	East
I255	'Rexmere', Victorian terrace	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	740m	South West
I343	'Swan Isle', two storey mansion	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	751m	North West
I253	'Rothesay', Art Deco residential flats	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	754m	South West
I400	Former Tramways Repair Shop	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	756m	West
I295	Residential/commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	758m	South West
I342	'Shaldon', Queen Anne residence	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	759m	North West
I331	Bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	760m	South
I252	'Verona', 'Amphion' and 'Donacis', Boom style houses	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	762m	South West
I402	Brick chimney stack	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	763m	West
I370	Electricity Substation No 349	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	765m	West
I254	St Jude's Well, early stone fountain	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	766m	South West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I420	Terraced row	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	769m	South
I284	Our Lady of the Sacred Heart Church and 'Ventnor', sandstone house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	775m	South
I432	3 storey 1930s residential flat building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	781m	West
I341	Bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	790m	North West
I404	'Ramona Hall', Spanish Mission influenced residential flat building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	791m	South East
I340	Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	794m	North West
I251	'Carlton', Victorian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	796m	South West
I296	3 storey commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	801m	South West
A1	Bishopscourt	Item - Archaeological	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	802m	South East
C57	Remnant Bushland	Conservation Area - Landscape	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	812m	North
I297	'Koorowi Flats' 3 storey commercial/residential building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	815m	South West
I438	Group of Italianate houses	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	820m	South West
C40	Eastern Suburbs Banksia Scrub	Conservation Area - Landscape	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	821m	North
I250	'Shahzada', Victorian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	822m	West
I419	Spanish Mission flats	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	822m	West
I471	Late Federation style design	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	827m	North East
I21	Victorian Italianate two storey house (pair to 67)	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	830m	East
I22	Victorian Italianate two storey house (pair to 65)	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	830m	East
I455	2 storey semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	836m	South
I12	1930s shopfront	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	839m	East
I25	'Clara', mid-Victorian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	841m	East
I405	Residential flat building with neo-classical entry	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	841m	South East
I92	Art Deco residential flat building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	850m	South East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I36	Bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	851m	South East
I445	Individually styled 1940's house	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	852m	North East
I332	Part of Normanhurst boundary wall (adjacent to former tramway reservation)	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	857m	West
I490	Late Victorian house	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	861m	North East
I285	Late Victorian shop and residence	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	865m	South West
I298	'Cooks Lodge' 2 storey commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	871m	South West
I27	Georgian sandstone cottage	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	874m	East
I299	Commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	876m	South West
I300	Federation commercial building	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	877m	South West
I28	Attached cottage group	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	877m	East
I06	'Boherbue'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	879m	East
I18	Early timber cottage	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	881m	East
I07	Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	883m	East
I08	Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	884m	East
I24	Two storey semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	884m	East
AH560	Shelter(s) with Potential Archaeological Deposit	Aboriginal Object	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	890m	North East
I353	Dolphin Street Sandstone Retaining Wall and Embankment	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	890m	South
I309	'Redlands', Art Deco flats	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	891m	South West
I93	Bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	891m	South East
I301	'Sandgate'	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	893m	South West
C7	Charing Cross	Conservation Area - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	893m	North East
I444	Georgian style stone building, St Johns, St Catherine's Girls School	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	904m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I410	'Brighton Terrace'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	906m	South
C13	Racecourse	Conservation Area - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	906m	West
I410	'Brighton Terrace'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	910m	South
I339	'Monte, Carlo' Edwardian house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	914m	West
I302	The Star and Garter Inn	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	915m	South West
C64	Varna Reserve	Conservation Area - Landscape	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	917m	East
I286	'Goldring House'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	918m	South
I303	Statue of Captain James Cook	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	938m	South West
I26	Symmetrical bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	939m	East
I401	Former Tramways Workshop	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	949m	West
I31	Seaview Street Sandstone Drain	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	955m	East
I287	'Corana' and 'Hygeia'	Item - General	State	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	958m	South
I91	Bungalow	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	961m	South East
I420	Victorian/Georgian style sandstone cottage	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	963m	North East
C55	Queens Park	Conservation Area - Landscape	State	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	973m	North East
I316	Semi-detached pair	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	974m	South West
AH550	Shelter with Art	Aboriginal Object	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	976m	North East
I415	Victorian/Georgian style timber cottages	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	977m	North East
I395	2 storey Federation house	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	978m	South
I322	'Gower Galtees', Art Deco residential flat building, including fence and gates	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	978m	South
I35	Abbott Street Sandstone Retaining Walls	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	978m	South East
I307	Blenheim House and outbuilding	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	984m	South West
I414	Victorian workers' cottages	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	986m	North East
I521	St Catherine's School and Grounds	Item - Landscape	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	989m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
I443	Late nineteenth century commercial/residential terraces	Item - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	990m	North East
C14	Queens Park	Conservation Area - General	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	990m	North
I35	Abbott Street Sandstone Retaining Walls	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	992m	South East
I324	'Glen Mervyn'	Item - General	Local	Randwick Local Environmental Plan 2012	01/02/2013	15/02/2013	22/02/2019	998m	South
A548	Wooden Cottages	Item - Archaeological	Local	Waverley Local Environmental Plan 2012	26/10/2012	26/10/2012	20/09/2019	999m	North East

Heritage Data Source: NSW Crown Copyright - Planning & Environment

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Natural Hazards

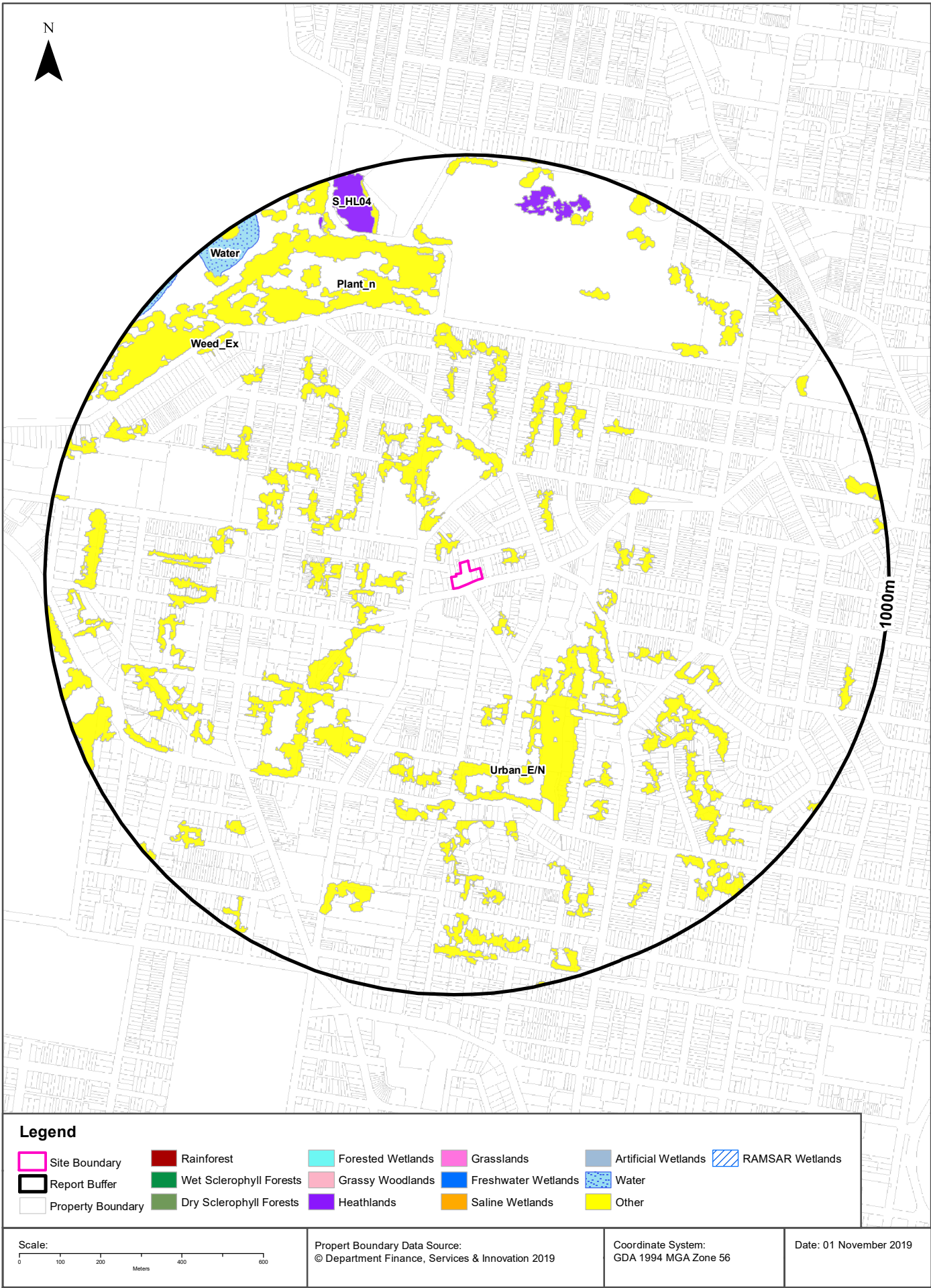
11-19 Frenchmans Road, Randwick, NSW 2031

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 within buffer		

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



Ecological Constraints

11-19 Frenchmans Road, Randwick, NSW 2031

Native Vegetation

What native vegetation exists within the dataset buffer?

Map ID	Map Unit Name	Threatened Ecological Community NSW	Threatened Ecological Community EPBC Act	Understorey	Disturbance	Disturbance Index	Dominant Species	Dist	Direction
Urban_E/N	Urban_E/N: Urban Exotic/Native			00: Not assessed	00: Not assessed	0: Not assessed	Urban Exotic/Native	34m	North West
Plant_n	Plant_n: Plantation (native and/or exotic)			00: Not assessed	00: Not assessed	0: Not assessed	Native or Exotic Plantations	613m	North West
Weed_Ex	Weed_Ex: Weeds and Exotics			00: Not assessed	00: Not assessed	0: Not assessed	Exotic Species >90%cover	788m	North West
S_HL04	S_HL04: Coastal Sandplain Heath	Eastern Suburbs Banksia Scrub	Eastern Suburbs Banksia Scrub (possible)	19: Dense heath	20: Previously cleared 1943	3: High	Banksia spp./A.distyla/L.la evigatum/Acacia spp.	840m	North
Water	Water			00: Not assessed	00: Not assessed	0: Not assessed	Water	919m	North West

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

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Ramsar Wetlands

What Ramsar Wetland areas exist within the dataset buffer?

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

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

Ecological Constraints

11-19 Frenchmans Road, Randwick, NSW 2031

Groundwater Dependent Ecosystems Atlas

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

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

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Inflow Dependent Ecosystems Likelihood

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

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

11-19 Frenchmans Road, Randwick, NSW 2031

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	Ardea ibis	Cattle Egret	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Ardenna carneipes	Flesh-footed Shearwater	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Ardenna grisea	Sooty Shearwater	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Ardenna pacificus	Wedge-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA;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 bairdii	Baird's Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;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	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Calyptorhynchus banksii samueli	Red-tailed Black-Cockatoo (inland subspecies)	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Calyptorhynchus lathami	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Charadrius leschenaultii	Greater Sand-plover	Vulnerable	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Charadrius mongolus	Lesser Sand-plover	Vulnerable	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Charadrius veredus	Oriental Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Chlidonias leucopterus	White-winged Black Tern	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Dasyornis brachypterus	Eastern Bristlebird	Endangered	Category 2	Endangered	
Animalia	Aves	Diomedea exulans	Wandering Albatross	Endangered	Not Sensitive	Endangered	JAMBA
Animalia	Aves	Diomedea gibsoni	Gibson's Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Egretta sacra	Eastern Reef Egret	Not Listed	Not Sensitive	Not Listed	CAMBA
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Endangered Population, Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Erythrorhynchus radiatus	Red Goshawk	Critically Endangered	Category 2	Vulnerable	
Animalia	Aves	Fregata ariel	Lesser Frigatebird	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Gallinago hardwickii	Latham's Snipe	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Gygis alba	White Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus fuliginosus	Sooty Oystercatcher	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	CAMBA
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	CAMBA;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	Macronectes halli	Northern Giant-Petrel	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Manorina melanotis	Black-eared Miner	Critically Endangered	Not Sensitive	Endangered	
Animalia	Aves	Merops ornatus	Rainbow Bee-eater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Neochmia ruficauda	Star Finch	Presumed Extinct	Not Sensitive	Endangered	
Animalia	Aves	Neophema chrysogaster	Orange-bellied Parrot	Critically Endangered	Category 3	Critically Endangered	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Neophema pulchella	Turquoise Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Neophema splendida	Scarlet-chested Parrot	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	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	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pezoporus wallicus wallicus	Eastern Ground Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Phaethon lepturus	White-tailed Tropicbird	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Phaethon rubricauda	Red-tailed Tropicbird	Vulnerable	Not Sensitive	Not Listed	CAMBA
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 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	JAMBA
Animalia	Aves	Ptilinopus regina	Rose-crowned Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Ptilinopus superbus	Superb Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Puffinus assimilis	Little Shearwater	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stagonopleura guttata	Diamond Firetail	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stercorarius longicaudus	Long-tailed Jaeger	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Stercorarius parasiticus	Arctic Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Stercorarius pomarinus	Pomarine Jaeger	Not Listed	Not Sensitive	Not Listed	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	Sula sula	Red-footed Booby	Not Listed	Not Sensitive	Not Listed	CAMBA;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	Thinornis rubricollis	Hooded Plover	Critically Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Tringa brevipes	Grey-tailed Tattler	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	<i>Tringa glareola</i>	Wood Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Tringa nebularia</i>	Common Greenshank	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Tringa stagnatilis</i>	Marsh Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	<i>Tryngites subruficollis</i>	Buff-breasted Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	<i>Tyto novaehollandiae</i>	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	<i>Tyto tenebricosa</i>	Sooty Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	<i>Xenus cinereus</i>	Terek Sandpiper	Vulnerable	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Insecta	<i>Petalura gigantea</i>	Giant Dragonfly	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Aepyprymnus rufescens</i>	Rufous Bettong	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Arctocephalus forsteri</i>	New Zealand Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Arctocephalus pusillus doriferus</i>	Australian Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Cercartetus nanus</i>	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Chalinolobus dwyeri</i>	Large-eared Pied Bat	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	<i>Dasyurus maculatus</i>	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	<i>Dasyurus viverrinus</i>	Eastern Quoll	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	<i>Dugong dugon</i>	Dugong	Endangered	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Eubalaena australis</i>	Southern Right Whale	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Macrotis lagotis</i>	Bilby	Presumed Extinct	Not Sensitive	Vulnerable	
Animalia	Mammalia	<i>Megaptera novaeangliae</i>	Humpback Whale	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Miniopterus australis</i>	Little Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Myotis macropus</i>	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Perameles nasuta</i>	Long-nosed Bandicoot	Endangered Population	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Petaurus norfolcensis</i>	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	<i>Phascolarctos cinereus</i>	Koala	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Antaresia stimsoni</i>	Stimson's Python	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Aspidites ramsayi</i>	Woma	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	<i>Caretta caretta</i>	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	<i>Chelonia mydas</i>	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	<i>Dermochelys coriacea</i>	Leatherback Turtle	Endangered	Not Sensitive	Endangered	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Reptilia	Tiliqua occipitalis	Western Blue-tongued Lizard	Vulnerable	Not Sensitive	Not Listed	
Plantae	Flora	Acacia gordonii		Endangered	Not Sensitive	Endangered	
Plantae	Flora	Acacia terminalis subsp. terminalis	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	Dichanthium setosum	Bluegrass	Vulnerable	Not Sensitive	Vulnerable	
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	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 caleyi	Caley's Grevillea	Critically Endangered	Category 3	Critically Endangered	
Plantae	Flora	Hibbertia puberula		Endangered	Not Sensitive	Not Listed	
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	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	Senecio spathulatus	Coast Groundsel	Endangered	Not Sensitive	Not Listed	
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	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
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	

Data does not include NSW category 1 sensitive species.

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Data obtained 01/11/2019

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Appendix C

(ACN 147 943 842)
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LOTSEARCH PTY LTD
Level 3, 68 Alfred Street,
MILSONS POINT, NSW 2061

Attention: Suzanne van Gastel

**RE: 11 – 19 Frenchmans Road,
Randwick
Reference LS009314 EP**

Note 1: Lot 3 DP 13779 (page 1)
Note 2: Lot 4 DP 13779 (page 3)
Note 3: Lot 10 DP 845575 (page 5)

Note 1:

Current Search

Folio Identifier 3/13779 (title attached)
DP 13779 (plan attached)
Dated 31st October 2019
Registered Proprietor:
FRENCHMANS LODGE PROPERTIES PTY LTD

Title Tree Lot 3 DP 13779

Folio Identifier 3/13779

Certificate of Title Volume 3978 Folio 27

Certificate of Title Volume 1490 Folio 229

Part Suburban Allotment 4 Section 4 Town Randwick
Granted to John Rowling dated 31st December 1862

Summary of proprietor(s) Lot 3 DP 13779

Year	Proprietor(s)
-------------	----------------------

	(Lot 3 DP 13779)
2015 – todate	Frenchmans Lodge Properties Pty Ltd
1989 – 2015	Peter Wohl, gentleman
	(Lot 3 DP 13779 – Area 13 ½ Perches – CTVol 3978 Fol 27)
1979 – 1989	Peter Wohl, gentleman
1974 – 1979	Wentworth Nursing Home Pty. Limited <i>(formerly Wentworth Convalescent Hospital Pty. Limited)</i>
1971 – 1974	Wentworth Convalescent Hospital Pty. Limited
1962 – 1971	Perpetual Trustee Company Limited
1927 – 1962	Jane Griffiths, widow
1927 – 1927	George Percy Cook, builder
	(Lots 19 & 20 Section 1 DP 1045 & Part Allotment 4 Section 4 Town Randwick – Area 1 Acre 1 Rood 18 ¼ Perches – CTVol 1490 Fol 229)
1925 – 1927	Elizabeth Edith Foley, widow
1918 – 1925	Grace Ann McLeish, wife of James McLeish, grazier
1903 – 1918	Ann Jane Ford Hill, wife of Alfred Hill, esquire

Note 2:

Current Search

Folio Identifier 4/13779 (title attached)

DP 13779 (plan attached)

Dated 31st October 2019

Registered Proprietor:

FRENCHMANS LODGE PROPERTIES PTY LIMITED

Title Tree
Lot 4 DP 13779

Folio Identifier 4/13779

Certificate of Title Volume 3978 Folio 193

Certificate of Title Volume 1490 Folio 229

Part Suburban Allotment 3 Section 4 Town Randwick
Granted to the Reverend John Pendrill and George James Armytage dated 29th
December 1862

**Summary of proprietor(s)
Lot 4 DP 13779**

Year	Proprietor(s)
	(Lot 4 DP 13779)
2018 – todate	Frenchmans Lodge Properties Pty Limited
2017 – 2018	T & M Bishop Holdings Pty Ltd
2017 – 2017	Gwendoline Therese Johns
2017 – 2017	Gwendoline Therese Johns
1989 – 2017	Yvette Sonia Parsons, spinster
	(Lot 4 DP 13779 – Area 12 ¼ Perches – CTVol 3978 Fol 193)
1968 – 1989	Yvette Sonia Parsons, spinster
1967 – 1968	Public Trustee
1927 – 1967	Elsie Dolore’s Azer, company secretary and spinster
	(Lots 19 & 20 Section 1 DP 1045 & Part Allotment 4 Section 4 Town Randwick – Area 1 Acre 1 Rood 18 ¼ Perches – CTVol 1490 Fol 229)
1925 – 1927	Elizabeth Edith Foley, widow
1918 – 1925	Grace Ann McLeish, wife of James McLeish, grazier
1903 – 1918	Ann Jane Ford Hill, wife of Alfred Hill, esquire

Note 3:

Current Search

Folio Identifier 10/845575 (title attached)
DP 845575 (plan attached)
Dated 31st October 2019
Registered Proprietor:
FRENCHMANS LODGE PROPERTIES PTY LIMITED

Title Tree
Lot 10 DP 845575

Folio Identifier 10/845575

See Notes (a), (b) & (c)

(a)

(b)

Certificate of Title Volume 10256 Folio 95 Certificate of Title Volume 4862 Folio 201

Certificate of Title Volume 3921 Folio 10 CTVol 4583 Fol's 139, 140 & 141

 \ Certificate of Title Volume 3959 Folio 157

 \ Certificate of Title Volume 3894 Folio 20

Certificate of Title Volume 1490 Folio 229

(c)

Certificate of Title Volume 3358 Folio 63

Certificate of Title Volume 3084 Folio 180

Part Suburban Allotment 4 Section 4 Town Randwick

Granted to John Rowling dated 31st December 1862

& Part Suburban Allotment 3 Section 4 Town Randwick

Granted to the Reverend John Pendrill and George James Armytage dated 29th
December 1862

& Part Suburban Allotment 5 Section 4 Town Randwick

Granted to Lawrence Bergin dated 24th August 1864

Summary of proprietor(s)

Lot 10 DP 845575

Year

Proprietor(s)

	(Lot 10 DP 845575)
2012 – todate	Frenchmans Lodge Properties Pty Limited
2002 – 2012	Elizabeth Wohl, widow
1994 – 2002	Emerich Wohl, retailer Elizabeth Wohl, his wife

See Notes (a), (b) & (c)

Note (a)

	(Lot 2 & Part Lot 1 & 7 DP 13779 – CTVol 10256 Fol 95)
1966 – 1994	Emerich Wohl, retailer Elizabeth Wohl, his wife
1966 – 1966	A Norton Pty Limited
1966 – 1966	Beth King Chambers, spinster Maisie Kathleen Faircloth, spinster Alan Clinton Sharpe, public accountant Henry Joseph Birtles, bank manager
	(Lot 2 & Part Lot 1 & 7 DP 13779 – Area 1 Rood 9 ¼ Perches – CTVol 3921 Fol 10)
1965 – 1966	Beth King Chambers, spinster Maisie Kathleen Faircloth, spinster Alan Clinton Sharpe, public accountant Henry Joseph Birtles, bank manager
1956 – 1965	Joyce Chambers, spinster
1948 – 1956	George John Tahmindjis, medical practitioner
1936 – 1948	Vassilia Memorial International Hospital Limited
1927 – 1936	Pansye Muriel Marroon, wife of John Marroon, contractor
1926 – 1927	Hubert Charles Dunell, tennis court expert
	(Lots 19 & 20 Section 1 DP 1045 & Part Allotment 4 Section 4 Town Randwick – Area 1 Acre 1 Rood 18 ¼ Perches – CTVol 1490 Fol 229)
1925 – 1926	Elizabeth Edith Foley, widow
1918 – 1925	Grace Ann McLeish, wife of James McLeish, grazier
1903 – 1918	Ann Jane Ford Hill, wife of Alfred Hill, esquire









Note (b)

	(Part Lot 1 DP 13779 – Area 17 ¾ Perches – CTVol 4862 Fol 201)
1968 – 1994	Emerich Wohl, private hospital proprietor Elizabeth Wohl, his wife
1968 – 1968	William Arthur Mc Quiggin, civil engineer
1939 – 1968	Emily Cecelia Mary Mc Quiggin, wife of Harold George Mc Quiggin, lecturer
1937 – 1939	Emily Gaskin, widow
	(Part Lot 1 DP 13779 – Area 17 ¾ Perches – CTVol 4583 Fol's 139, 140 & 141)
1933 – 1937	Nellie Gertrude Jane Weatherill, wife of Robert Corney Weatherill, company manager Edith Lizette Fox, widow Gertrude Felicia Minell, wife of Edgar Richard Minell, accountant
	(Part Lot 1 DP 13779 – Area 17 ¾ Perches – CTVol 3959 Fol 157)
1933 – 1933	The Permanent Trustee Company of New South Wales Limited
1928 – 1933	William Charles Upton, manufacturer
1927 – 1928	Marion Bessie Frankel, wife of Bruce Turnbull Frankel, factory manager
	(Part Lots 1 & 7 DP 13779 – Area 38 ¾ Perches – CTVol 3894 Fol 20)
1926 – 1927	Norman Henry Whitting, builder
	(Lots 19 & 20 Section 1 DP 1045 & Part Allotment 4 Section 4 Town Randwick – Area 1 Acre 1 Rood 18 ¼ Perches – CTVol 1490 Fol 229)
1925 – 1926	Elizabeth Edith Foley, widow
1918 – 1925	Grace Ann McLeish, wife of James McLeish, grazier
1903 – 1918	Ann Jane Ford Hill, wife of Alfred Hill, esquire







Note (c)

	(Part Lot 7 DP 13779 – CTVol 3358 Fol 63)
1990 – 1994	Emerich Wohl, private hospital proprietor Elizabeth Wohl, his wife
1989 – 1990	Peter Kevin Fay John Michael Fay
1935 – 1989	Veronica May Fay, spinster
1925 – 1935	Florence Sybell Nettleton, wife of Leslie George Nettleton, builder
1925 – 1925	John Marron, contractor
1922 – 1925	Elsie Ann Ryan, wife of Patrick Ryan, grazier
	(Lot 7 DP 7023 – Area 28 ½ Perches – CTVol 3084 Fol 180)
1920 – 1922	Leonard John Dew, estate agent Thomas McNamara, gentleman
1920 – 1920	Constance Phillipson, spinster



	Status	Surv/Comp	Purpose
DP1062 Lot(s): 3 Section : 1			
 DP1249108	PRE-ALLOCATED	UNAVAILABLE	SUBDIVISION
DP569553 Lot(s): 1			
 DP1189415	REGISTERED	SURVEY	REDEFINITION
DP657303 Lot(s): 1			
 SP62199	REGISTERED	COMPILATION	STRATA PLAN
DP657304 Lot(s): 1			
 SP62199	REGISTERED	COMPILATION	STRATA PLAN
DP908078 Lot(s): 1			
 SP62199	REGISTERED	COMPILATION	STRATA PLAN
DP948627 Lot(s): 8			
 SP62199	REGISTERED	COMPILATION	STRATA PLAN
DP970521 Lot(s): 10			
 SP62199	REGISTERED	COMPILATION	STRATA PLAN
DP1002133 Lot(s): 1, 2			
 DP435290	HISTORICAL	SURVEY	UNRESEARCHED
DP1015757 Lot(s): 61, 62			
 DP570173	HISTORICAL	SURVEY	OLD SYSTEM CONVERSION
DP1040069 Lot(s): 1			
 DP1249108	PRE-ALLOCATED	UNAVAILABLE	SUBDIVISION
DP1046576 Lot(s): 1			
 CA87283 - LOT 1 DP1046576			
DP1131557 Lot(s): 1			
 DP25257	HISTORICAL	SURVEY	UNRESEARCHED
 SP82460	REGISTERED	COMPILATION	PART STRATA
DP1227916 Lot(s): 12			
 DP709332	HISTORICAL	SURVEY	SUBDIVISION
SP60967			
 DP168528	HISTORICAL	SURVEY	UNRESEARCHED
 DP1005426	HISTORICAL	SURVEY	REDEFINITION
SP60992			
 DP881514	HISTORICAL	SURVEY	CONSOLIDATION
SP62199			
 DP878999	HISTORICAL	SURVEY	SUBDIVISION
SP73982			
 DP25257	HISTORICAL	SURVEY	UNRESEARCHED
 DP1076414	HISTORICAL	SURVEY	CONSOLIDATION
SP77000			
 DP320756	HISTORICAL	COMPILATION	UNRESEARCHED
 DP1096804	HISTORICAL	SURVEY	SUBDIVISION
SP82460			
 DP25257	HISTORICAL	SURVEY	UNRESEARCHED
 DP1131557	HISTORICAL	SURVEY	BUILDING STRATUM SUBDIVISION
SP82749			
 DP303897	HISTORICAL	COMPILATION	UNRESEARCHED
 DP1142748	HISTORICAL	SURVEY	REDEFINITION

Caution: This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL** **ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.

		Status	Surv/Comp	Purpose
SP85793				
	DP569553	HISTORICAL	SURVEY	OLD SYSTEM CONVERSION
	DP1189415	HISTORICAL	SURVEY	REDEFINITION
	SP89397	WITHDRAWN	UNAVAILABLE	STRATA SUBDIVISION PLAN
	SP92495	REGISTERED	COMPILATION	STRATA SUBDIVISION PLAN
SP93054				
	DP956021	HISTORICAL	SURVEY	UNRESEARCHED
	DP1217640	HISTORICAL	SURVEY	REDEFINITION

Caution: This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.

Plan	Surv/Comp	Purpose
DP1045	SURVEY	UNRESEARCHED
DP1062	SURVEY	UNRESEARCHED
DP3982	SURVEY	UNRESEARCHED
DP6218	SURVEY	UNRESEARCHED
DP7023	SURVEY	UNRESEARCHED
DP13779	SURVEY	UNRESEARCHED
DP25257	SURVEY	UNRESEARCHED
DP80766	SURVEY	UNRESEARCHED
DP80788	SURVEY	UNRESEARCHED
DP100482	SURVEY	UNRESEARCHED
DP101208	SURVEY	UNRESEARCHED
DP101711	COMPILATION	UNRESEARCHED
DP104083	SURVEY	UNRESEARCHED
DP104922	SURVEY	UNRESEARCHED
DP106848	SURVEY	UNRESEARCHED
DP108129	SURVEY	UNRESEARCHED
DP119108	COMPILATION	DEPARTMENTAL
DP130091	COMPILATION	DEPARTMENTAL
DP167774	COMPILATION	UNRESEARCHED
DP167970	COMPILATION	UNRESEARCHED
DP171981	COMPILATION	UNRESEARCHED
DP192605	COMPILATION	UNRESEARCHED
DP202777	SURVEY	SUBDIVISION
DP203069	SURVEY	SUBDIVISION
DP203616	SURVEY	SUBDIVISION
DP207340	SURVEY	SUBDIVISION
DP224672	SURVEY	SUBDIVISION
DP232454	SURVEY	SUBDIVISION
DP233923	SURVEY	SUBDIVISION
DP235050	SURVEY	OLD SYSTEM CONVERSION
DP235565	SURVEY	SUBDIVISION
DP301576	COMPILATION	UNRESEARCHED
DP304856	COMPILATION	UNRESEARCHED
DP341180	COMPILATION	UNRESEARCHED
DP347967	COMPILATION	UNRESEARCHED
DP388070	SURVEY	UNRESEARCHED
DP392166	SURVEY	UNRESEARCHED
DP397880	SURVEY	UNRESEARCHED
DP436764	SURVEY	UNRESEARCHED
DP438335	SURVEY	UNRESEARCHED
DP439184	SURVEY	UNRESEARCHED
DP439212	SURVEY	UNRESEARCHED
DP443439	SURVEY	UNRESEARCHED
DP443799	SURVEY	UNRESEARCHED
DP444079	SURVEY	UNRESEARCHED
DP449985	COMPILATION	UNRESEARCHED
DP523532	SURVEY	SUBDIVISION
DP537130	SURVEY	RESUMPTION OR ACQUISITION
DP553639	SURVEY	SUBDIVISION
DP565472	SURVEY	SUBDIVISION
DP569553	SURVEY	OLD SYSTEM CONVERSION
DP581832	SURVEY	SUBDIVISION
DP583693	SURVEY	SUBDIVISION
DP585314	SURVEY	SUBDIVISION
DP602130	SURVEY	SUBDIVISION
DP657303	COMPILATION	DEPARTMENTAL
DP657304	COMPILATION	DEPARTMENTAL
DP741915	COMPILATION	DEPARTMENTAL
DP797554	COMPILATION	DEPARTMENTAL
DP845575	SURVEY	CONSOLIDATION
DP878999	SURVEY	SUBDIVISION
DP901169	COMPILATION	UNRESEARCHED
DP908078	SURVEY	UNRESEARCHED
DP925981	SURVEY	UNRESEARCHED
DP929392	COMPILATION	UNRESEARCHED

Caution: This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL**

ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

Plan	Surv/Comp	Purpose
DP929393	COMPILATION	UNRESEARCHED
DP930560	COMPILATION	UNRESEARCHED
DP938142	COMPILATION	UNRESEARCHED
DP938143	COMPILATION	UNRESEARCHED
DP938524	COMPILATION	UNRESEARCHED
DP945049	SURVEY	UNRESEARCHED
DP946306	SURVEY	UNRESEARCHED
DP948627	SURVEY	UNRESEARCHED
DP948628	SURVEY	UNRESEARCHED
DP952750	SURVEY	UNRESEARCHED
DP960919	COMPILATION	UNRESEARCHED
DP962880	COMPILATION	UNRESEARCHED
DP970521	SURVEY	UNRESEARCHED
DP972791	COMPILATION	UNRESEARCHED
DP981713	COMPILATION	UNRESEARCHED
DP1002133	SURVEY	SUBDIVISION
DP1015757	SURVEY	SUBDIVISION
DP1040069	COMPILATION	DEPARTMENTAL
DP1046576	COMPILATION	LIMITED FOLIO CREATION
DP1092413	COMPILATION	DEPARTMENTAL
DP1110051	COMPILATION	DEPARTMENTAL
DP1227916	COMPILATION	CONSOLIDATION
SP140	COMPILATION	STRATA PLAN
SP483	COMPILATION	STRATA PLAN
SP2806	COMPILATION	STRATA PLAN
SP3350	COMPILATION	STRATA PLAN
SP3998	COMPILATION	STRATA PLAN
SP4118	COMPILATION	STRATA PLAN
SP5414	COMPILATION	STRATA PLAN
SP5591	COMPILATION	STRATA PLAN
SP6224	COMPILATION	STRATA PLAN
SP6225	COMPILATION	STRATA PLAN
SP8621	COMPILATION	STRATA PLAN
SP12275	COMPILATION	STRATA PLAN
SP14910	COMPILATION	STRATA PLAN
SP15854	COMPILATION	STRATA PLAN
SP21814	COMPILATION	STRATA PLAN
SP21815	COMPILATION	STRATA PLAN
SP21816	COMPILATION	STRATA PLAN
SP34929	COMPILATION	STRATA PLAN
SP43360	COMPILATION	STRATA PLAN
SP43936	COMPILATION	STRATA PLAN
SP60967	COMPILATION	STRATA PLAN
SP60992	COMPILATION	STRATA PLAN
SP62199	COMPILATION	STRATA PLAN
SP73982	COMPILATION	STRATA PLAN
SP77000	COMPILATION	STRATA PLAN
SP82460	COMPILATION	PART STRATA
SP82749	COMPILATION	STRATA PLAN
SP85793	COMPILATION	STRATA PLAN
SP85793	UNRESEARCHED	STRATA PLAN
SP93054	COMPILATION	STRATA PLAN
SP93054	UNRESEARCHED	STRATA PLAN

Caution: This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL**

ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

CERTIFICATE OF TITLE
REAL PROPERTY ACT, 1900, as amended.



10256095

NEW SOUTH WALES

Appln. No. 12850.
Prior Title Vol. 3921 Fol. 10.



LB.

Vol. 10256 Fol. 95

Edition issued. 7.3.1966.

K233017.

CANCELLED ☒

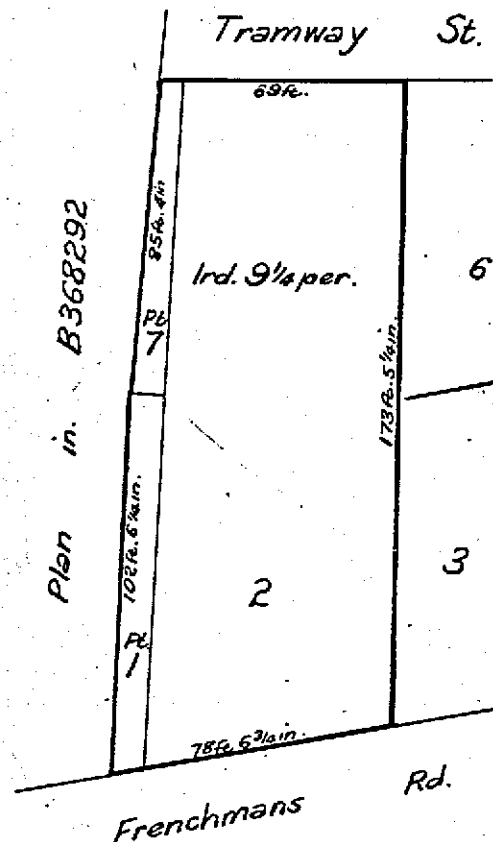
I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule.

Witness J. O'Sullivan.

Jawatson
Registrar General.



PLAN SHOWING LOCATION OF LAND



K233017 CH

PC

Scale: 50 feet to one inch

ESTATE AND LAND REFERRED TO

Estate in Fee Simple in Lot 2 and the part of Lots 1 and 7 in Deposited Plan 13779 shown in the plan hereon in the Municipality of Randwick Parish of Alexandria and County of Cumberland being part of Allotment 4 of Section 4 granted to John Rowling on 31.12.1862.

Jawatson
Registrar General.

FIRST SCHEDULE (continued overleaf)

~~BETH KING CHAMBERS, of South Yarra in the State of Victoria, Spinster, MAISIE KATHLEEN FAIRCLOTH, of King's Cross, Spinster, ALAN CLINTON SHARPE, of Sydney, Public Accountant and HENRY JOSEPH BIRTLES, of Geogee, Bank Manager as Joint Tenants.~~

Jawatson
Registrar General.

SECOND SCHEDULE (continued overleaf)

1. Reservations and conditions, if any, contained in the Crown Grant above referred to.
2. Caveat No. K31287 by the Registrar General. Entered 6.7.1965. withdrawn K 233 018

Jawatson
Registrar General.

DP/SP 045575 Registered 21/10/1994
 DMRSP to be completed as to whole/part upon completion
 of school. In completed for 10
 above mentioned plan.
 above mentioned plan.

PARTICULARS

**of computer fees for
above-mentioned plan.**

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



K2330181 ~
 ~ 19T R
 ~ 20M R
 K241660
 L64590N¹ R
 12M
 22M
 2M
 2M
 L86571 V/M R
 L503296-4M R
 235/8669
 L551264 M/R
 L795298 M R
 M498 M152065 R
 M374772 M
 R
 N625410 6/17
 - 11 6/17
 - 12 6/17
 - 13 6/17 R.
 N625414 M. R.
 Q 1039452 M R
 - 6 P
 - 8 M
 Q30522 P
 are not p
 C.T. 8-10-80.
 S114891 M R
 2827560 M R
 00645575

Form: 02ND
Release: 1
www.lpi.nsw.gov.au

NOTICE OF DEAT

New South Wales
Section 101 Real Property Act 1900



9208765E

PRIVACY NOTE: this information is legally required and will become part of the public record

(A) LAND

Torrens Title
FOLIO IDENTIFIER 10/845575 + Vol 10718-142

(B) REGISTERED DEALING

Number	Torrens Title
--------	---------------

(C) LODGED BY

Delivery Box A72E	Name, Address or DX and Telephone Lang Cellent & Noonan Reference: RA/Wohl	CODE ND
----------------------	--	------------

(D) DECEASED JOINT TENANT

EMERICH WOHL

(E) SURVIVING JOINT TENANT

ELIZABETH WOHL

(F) I, the surviving joint tenant, apply to be registered as proprietor of the interest of the deceased joint tenant in the above
land

(G) STATUTORY DECLARATION

I, ELIZABETH WOHL
solemnly and sincerely declare that the deceased joint tenant—
1. died on 24 May 2002; and
2. is identical with the deceased named in the Probate No. 115805/02
accompanying this application.

I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Oaths Act 1900.

and I certify this application correct for the purposes of the Real Property Act 1900.

Made and subscribed at Bondi Junction in the State of New South Wales
on 3/12/02 in the presence of—

Signature of witness:

Signature of surviving joint tenant:

Name of witness:

Robert Gellert

Elizabeth Wohl

Address of witness:

ROBERT GELLERT Solicitor

Qualification of witness:

9 Bronte Road, Bondi Junction

All handwriting must be in block capitals.

Office use only—

Evidence sighted/sighted and returned:

Page 1 of

LAND AND PROPERTY INFORMATION NSW

Form: 03AE
Release: 22

**TRANSMISSION
APPLICATION**
by an Executor,
Administrator or Trustee
New South Wales
Section 93 Real Property Act 1900



AM261511M

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

(A) TORRENS TITLE	4/13779		
(B) REGISTERED DEALING	NUMBER	TORRENS TITLE	
(C) LODGED BY	DOCUMENT COLLECTION BOX 47 V	NAME, ADDRESS OR DX, TELEPHONE, AND CUSTOMER ACCOUNT NUMBER IF ANY LLPN 123012 E H.M. Allen & Co. DX 437 Sydney Ph 9232 3662 REFERENCE: N. HATTON. 93557	CODE AE
(D) DECEASED REGISTERED PROPRIETOR	YVETTE SONIA PARSONS		
(E) APPLICANT	GWENDOLINE THERESE JOHNS		

- (F) The abovementioned applicant, being entitled as administrator of the estate ☒ of the deceased registered proprietor (who died on 27 December 2014) pursuant to letters of administration No. 2016/00197335 granted on 17 March 2017 (a certified copy ☒ of which is lodged herewith) hereby applies to be registered as proprietor of the estate or interest of the deceased registered proprietor in the abovementioned land ☒

DATE 24 March 2017

(G)

Certified correct for the purposes of the Real Property Act 1900 on behalf of the applicant by the person whose signature appears below.

Signature:

Signatory's name:
Signatory's capacity:

Meredith Anne Hatton
Applicant's Solicitor



- (H) This section is to be completed where a notice of sale is required and the relevant data has been forwarded through eNOS. The applicant's solicitor ☒ certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. 1276134 Full name: MEREDITH ANNE HATTON Signature:

* s117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.

ALL HANDWRITING MUST BE IN BLOCK CAPITALS.

Evidence sighted and returned (office use only):

EV122304

Form: 01T
Release: 6.2
Licence: 01-05-025
Licensee: LEAP Legal Software Pty Limited
Firm name: Medcalf Grant

TRANSFER

New South Wales
Real Property Act 1900



AM978491S

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the use of this form for the establishment and maintenance of the Real Property Register. The Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY

Revenue NSW use only

Not Register Section 31B RP Act requires that

Office of State Revenue

NSW Treasury

Client No: 116164180

3384

Duty: \$10

Trans No: 4243517-501

Asst details:

(A) TORRENS TITLE

4/13779

(B) LODGED BY

Document
Collection
Box

654X

Name, Address or DX, Telephone, and Customer Account Number if any

M J ARMSTRONG & CO - DENTONS

LPP:131317K

Reference:

604084

CODES

T

TW

(C) TRANSFEROR

Gwendoline Therese JOHNS V

(D) CONSIDERATION

The transferor acknowledges receipt of the consideration of \$1,400,000.00 and as regards

(E) ESTATE

the abovementioned land transfers to the transferee an estate in fee simple.

(F) SHARE

TRANSFERRED

(G)

Encumbrances (if applicable):

(H) TRANSFEE

T & M Bishop Holdings Pty Ltd ACN 622 370 316

(I)

TENANCY: Joint Tenants

DATE

09 / 12 / 2017

(J) I certify that I am an eligible witness and that the transferor signed this dealing in my presence.

[See note* below]

Signature of witness:

Paula Allen

Name of witness:

PAULA ALLEN

Address of witness:

67 CASTLEREACH ST
SYDNEY 2000

Certified correct for the purposes of the Real Property Act 1900 by the transferor.

Signature of transferor:

Mrs Gwendoline Johns

Certified correct for the purposes of the Real Property Act 1900 on behalf of the transferee by the person whose signature appears below.

Signature:

Signatory's name: Yvette Essenstam

Signatory's capacity: Licensed Conveyancer for the Transferee

(K) The transferee's solicitor certifies that the eNOS data relevant to this dealing has been submitted and stored under

eNOS ID No.

1466715

Full name:

Yvette Essenstam

Signature:

* s 117 RP Act requires that you must have known the signatory for more than 12 months or have sighted identifying documentation.

Plan Form No. 2 (for Deposited Plan).

M. P. M.

Municipality of Randwick
Shire of

PLAN

DP13779

B355684 19.5.26 of a subdivision of the land in C.T. Vol. 1490 Fo. 229 & Vol. 2845 Fo. 38

PARISH OF ALEXANDRIA

COUNTY OF CUMBERLAND

Scale 30 Feet to an inch

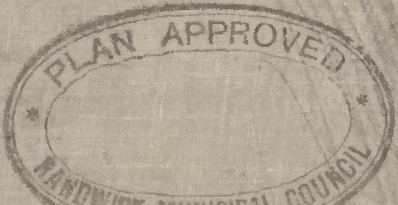
offer
19/5/26
19/5/26
19/5/26



Municipality of Randwick

Subdivision Number 26526

7023



The Seal of the Council was hereto attached
this 12 day of March 1926

Covered by Council Clerk's Certificate
No. 1000 of 1926

FRENCHMAN'S

Subscribed and declared before me at Sydney
this 31st day of March A.D. 1926

Norman K. Bennett
Licensed Surveyor.

J.P.

Date of Survey December 1925

*Add here the name of the person to whom the land is sold



CONVERSION TABLE ADDED IN
REGISTRAR GENERAL'S DEPARTMENT

DP 13779

FEET INCHES METRES

1	0 1/2	0.315
1	2 7/8	0.38
1	8 1/2	0.52
1	9	0.535
6	7	2.005
9	4 3/4	2.865
12	-	3.66
12	1 1/4	3.69
13	2	4.015
32	10 1/4	10.015
33	-	10.06
33	1	10.085
33	2 1/4	10.115
33	5 1/2	10.2
35	1 1/2	10.705
37	11	11.555
39	3	11.965
39	8	12.09
40	-	12.19
40	3	12.27
40	3 3/8	12.28
42	-	12.8
44	0 1/4	13.415
44	4 1/2	13.525
44	11 3/4	13.71
48	6	14.785
50	11	15.52
55	-	16.765
56	6 1/4	17.225
62	5	19.025
66	-	20.115
66	1	20.14
68	3 1/4	20.81
79	8	24.28
79	8 1/4	24.29
79	8 3/4	24.3
80	-	24.385
82	5	25.12
83	-	25.3
85	5 1/2	26.05
85	9 1/2	26.15
86	8 1/2	26.43
86	8 3/4	26.435
100	-	30.48
112	8	34.34
113	11 1/4	34.73
115	-	35.05
173	5 1/4	52.86
185	9 1/2	56.63

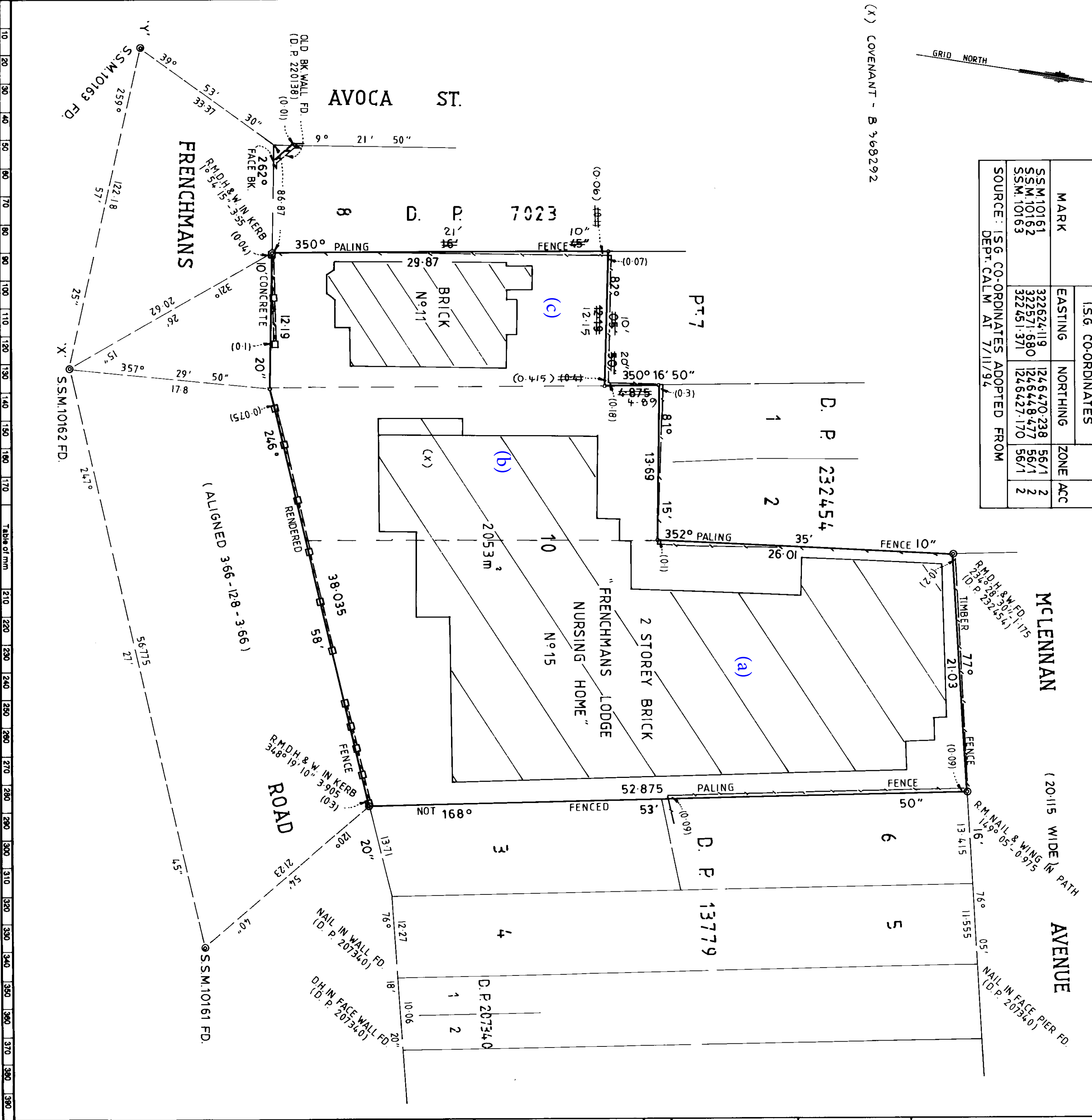
AC RD P SQ. M.

-	-	11 1/2	290.9
-	-	12 1/4	309.8
-	-	13 1/2	341.5
-	-	14	354.1
-	-	14 1/2	366.7
-	-	20	505.9
-	-	21 1/2	543.8
-	-	23 1/2	594.4
-	1	2 1/2	1075

MARK	I.S.G. CO-ORDINATES		ZONE	ACC
	EASTING	NORTHING		
S.S.M.10161	322624.119	1246470.238	56/1	2
S.S.M.10162	322571.680	1246448.477	56/1	2
S.S.M.10163	322451.371	1246427.170	56/1	2
SOURCE: I.S.G. CO-ORDINATES ADOPTED FROM DEPT. CALM AT 7/11/94				



(X) COVENANT - B 368292



RIVERS REFERENCE: 4-592

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

DP 845575	
Registered	21-12-1994
C.A.	
Title System:	TORRENS
Purpose:	CONSOLIDATION
Ref Map:	RANDWICK SH. 10
Last Plan:	D.P. 7023, D.P. 13779
PLAN OF LOTS 1 & 2 & PT LOT 7 D.P. 13779 AND PT LOT 7 D.P. 7023	
Lengths are in metres. Reduction Ratio 1:250	
LGA	RANDWICK
Locality:	RANDWICK
Parish:	ALEXANDRIA
County:	CUMBERLAND
This is sheet 1 of my plan in sheets (Delete if inapplicable)	
I, PAUL GERARD CORRY of DENNY LINKER & CO. P.O. BOX 243 of EDGECLIFF 2027 a surveyor registered under the Surveyors Act, 1929, as amended, hereby certify that the survey represented in this plan is accurate and has been made in accordance with the Survey Practice Regulation 1990 and was completed on 6/12/94	
Signature: [Signature] Dated: 6/12/94 Plans used in preparation of survey/consolidation: D.P.S. 7023, 13779, 220138, 207340, 232454, 314926	
PANEL FOR USE ONLY for statements of intention to dedicate public roads, to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.	
[Stamp: TO BE ATTACHED IN LTO AT SURVEYOR'S REQUEST]	

BOOKING



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

31/10/2019 10:26AM

FOLIO: 3/13779

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 3978 FOL 27

Recorded	Number	Type of Instrument	C.T. Issue
16/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
30/8/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
28/8/1997		AMENDMENT: LOCAL GOVT AREA	
16/2/2015	AJ260562	TRANSFER	EDITION 1

*** END OF SEARCH ***

advlegs

PRINTED ON 31/10/2019

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

31/10/2019 10:26AM

FOLIO: 4/13779

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

Prior Title(s): VOL 3978 FOL 193

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
16/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
31/8/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
28/8/1997		AMENDMENT: LOCAL GOVT AREA	
27/3/2017	AM261511	TRANSMISSION APPLICATION (EXECUTOR, ADMINISTRATOR, TRUSTEE)	EDITION 1
17/5/2017	AM395395	TRANSFER WITHOUT MONETARY CONSIDERATION	EDITION 2
15/12/2017	AM978491	TRANSFER	
15/12/2017	AM978492	MORTGAGE	
15/12/2017	AM978493	MORTGAGE	EDITION 3
15/2/2018	AN121219	CAVEAT	
29/3/2018	AN225945	DISCHARGE OF MORTGAGE	
29/3/2018	AN225946	DISCHARGE OF MORTGAGE	
29/3/2018	AN225947	TRANSFER	EDITION 4

*** END OF SEARCH ***

advlegs

PRINTED ON 31/10/2019

NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH
-----SEARCH DATE

31/10/2019 10:26AM

FOLIO: 10/845575

First Title(s): OLD SYSTEM VOL 10 FOL 12
Prior Title(s): VOL 3358 FOL 63 VOL 4862 FOL 201
 VOL 10256 FOL 95

Recorded -----	Number -----	Type of Instrument -----	C.T. Issue -----
21/12/1994	DP845575	DEPOSITED PLAN	FOLIO CREATED EDITION 1
1/9/1997		AMENDMENT: LOCAL GOVT AREA	
11/12/2002	9208765	NOTICE OF DEATH	EDITION 2
14/6/2012	AH47146	TRANSFER	EDITION 3
14/6/2012	AH47380	MORTGAGE	
14/6/2012	AH47381	TRANSFER OF MORTGAGE	EDITION 4
10/8/2012	AH166883	MORTGAGE	EDITION 5
24/7/2014	AI760112	DISCHARGE OF MORTGAGE	
24/7/2014	AI760113	DISCHARGE OF MORTGAGE	EDITION 6

*** END OF SEARCH ***

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PRINTED ON 31/10/2019



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 3/13779

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
31/10/2019	10:24 AM	1	16/2/2015

LAND

LOT 3 IN DEPOSITED PLAN 13779
LOCAL GOVERNMENT AREA RANDWICK
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM DP13779

FIRST SCHEDULE

FRENCHMANS LODGE PROPERTIES PTY LTD (T AJ260562)

SECOND SCHEDULE (1 NOTIFICATION)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

advlegs

PRINTED ON 31/10/2019



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 4/13779

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
31/10/2019	10:26 AM	4	29/3/2018

LAND

LOT 4 IN DEPOSITED PLAN 13779
LOCAL GOVERNMENT AREA RANDWICK
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM DP13779

FIRST SCHEDULE

FRENCHMANS LODGE PROPERTIES PTY LIMITED (T AN225947)

SECOND SCHEDULE (1 NOTIFICATION)

1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

advlegs

PRINTED ON 31/10/2019



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 10/845575

SEARCH DATE	TIME	EDITION NO	DATE
-----	----	-----	----
31/10/2019	10:26 AM	6	24/7/2014

LAND

LOT 10 IN DEPOSITED PLAN 845575
AT RANDWICK
LOCAL GOVERNMENT AREA RANDWICK
PARISH OF ALEXANDRIA COUNTY OF CUMBERLAND
TITLE DIAGRAM DP845575

FIRST SCHEDULE

FRENCHMANS LODGE PROPERTIES PTY LIMITED (T AH47146)

SECOND SCHEDULE (2 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 B368298 COVENANT AFFECTING THE PART(S) SHOWN SO BURDENED IN
THE TITLE DIAGRAM

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

advlegs

PRINTED ON 31/10/2019

Appendix D

CERTIFICATE OF ANALYSIS 230559

Client Details

Client	Consulting Earth Scientists Pty Ltd
Attention	Tristan Goodbody
Address	Suite 3, Level 1, 55 Grandview Street, Pymble, NSW, 2073

Sample Details

Your Reference	<u>CES190901-FRE</u>
Number of Samples	5 Soil
Date samples received	11/11/2019
Date completed instructions received	12/11/2019

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.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	19/11/2019
Date of Issue	15/11/2019
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Asbestos Approved By

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 Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Jaimie Loa-Kum-Cheung, Metals Supervisor
 Josh Williams, Senior Chemist
 Lucy Zhu, Senior Asbestos Analyst
 Steven Luong, Organics Supervisor

Authorised By



Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date extracted	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	13/11/2019	13/11/2019	13/11/2019
TRH C ₆ - C ₉	mg/kg	<25	<25	<25
TRH C ₆ - C ₁₀	mg/kg	<25	<25	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	81	92	88

svTRH (C10-C40) in Soil				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date extracted	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	14/11/2019	14/11/2019	14/11/2019
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50
Surrogate o-Terphenyl	%	77	76	74

PAHs in Soil				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date extracted	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	14/11/2019	14/11/2019	14/11/2019
Naphthalene	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.2	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.3	0.2	<0.1
Pyrene	mg/kg	0.2	0.2	<0.1
Benzo(a)anthracene	mg/kg	0.1	0.1	<0.1
Chrysene	mg/kg	<0.1	0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	0.3	<0.2
Benzo(a)pyrene	mg/kg	0.1	0.2	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	0.1	<0.1
Total +ve PAH's	mg/kg	0.91	1.4	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5
Surrogate <i>p</i> -Terphenyl-d14	%	89	96	95

Organochlorine Pesticides in soil				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date extracted	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	14/11/2019	14/11/2019	14/11/2019
alpha-BHC	mg/kg	<0.1	<0.1	<0.1
HCB	mg/kg	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1
Surrogate TCMX	%	73	76	70

Organophosphorus Pesticides in Soil				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date extracted	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	14/11/2019	14/11/2019	14/11/2019
Dichlorvos	mg/kg	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1
Chlorpyrifos-methyl	mg/kg	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1
Chlorpyrifos	mg/kg	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1
Surrogate TCMX	%	73	76	70

PCBs in Soil				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date extracted	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	14/11/2019	14/11/2019	14/11/2019
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1
Surrogate TCMX	%	73	76	70

Acid Extractable metals in soil				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date prepared	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	13/11/2019	13/11/2019	13/11/2019
Arsenic	mg/kg	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4
Chromium	mg/kg	5	7	6
Copper	mg/kg	2	15	8
Lead	mg/kg	11	290	18
Mercury	mg/kg	<0.1	<0.1	<0.1
Nickel	mg/kg	<1	2	1
Zinc	mg/kg	44	40	56

Moisture				
Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date prepared	-	13/11/2019	13/11/2019	13/11/2019
Date analysed	-	14/11/2019	14/11/2019	14/11/2019
Moisture	%	7.8	7.5	16

Asbestos ID - soils NEPM - ASB-001

Our Reference		230559-1	230559-2	230559-3
Your Reference	UNITS	BH1	BH2	BH3
Depth		0.5	0.5	1.5
Date Sampled		07/11/2019	06/11/2019	06/11/2019
Type of sample		Soil	Soil	Soil
Date analysed	-	14/11/2019	14/11/2019	14/11/2019
Sample mass tested	g	440.2	247.25	283.95
Sample Description	-	Brown sandy soil & rocks	Brown sandy soil & rocks	Brown sandy soil & rocks
Asbestos ID in soil (AS4964) >0.1g/kg	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected
Total Asbestos ^{#1}	g/kg	<0.1	<0.1	<0.1
Asbestos ID in soil <0.1g/kg*	-	No visible asbestos detected	No visible asbestos detected	No visible asbestos detected
ACM >7mm Estimation*	g	—	—	—
FA and AF Estimation*	g	—	—	—
ACM >7mm Estimation*	%(w/w)	<0.01	<0.01	<0.01
FA and AF Estimation*#2	%(w/w)	<0.001	<0.001	<0.001

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
ASB-001	<p>Asbestos ID - Identification of asbestos in soil samples using Polarised Light Microscopy and Dispersion Staining Techniques. Minimum 500mL soil sample was analysed as recommended by "National Environment Protection (Assessment of site contamination) Measure, Schedule B1 and "The Guidelines from the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia - May 2009" with a reporting limit of 0.1g/kg (0.01% w/w) as per Australian Standard AS4964-2004.</p> <p>Results reported denoted with * are outside our scope of NATA accreditation.</p> <p>NOTE #1 Total Asbestos g/kg was analysed and reported as per Australian Standard AS4964 (This is the sum of ACM >7mm, <7mm and FA/AF)</p> <p>NOTE #2 The screening level of 0.001% w/w asbestos in soil for FA and AF only applies where the FA and AF are able to be quantified by gravimetric procedures. This screening level is not applicable to free fibres.</p> <p>Estimation = Estimated asbestos weight</p> <p>Results reported with "--" is equivalent to no visible asbestos identified using Polarised Light microscopy and Dispersion Staining Techniques.</p>
AT-008	Determination of VOCs sampled onto coconut shell charcoal sorbent tubes, that can be desorbed using carbon disulphide, and analysed by GC-MS.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	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-003	<p>Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID.</p> <p>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.</p> <p>Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).</p>

Method ID	Methodology Summary
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS.
Org-012/017	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-MS and/or GC-MS/MS. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-012/017	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL' values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero' values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL' values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	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)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-016	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)-BTX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Date analysed	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-016	<25	[NT]	[NT]	[NT]	[NT]	95	[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-016	<25	[NT]	[NT]	[NT]	[NT]	95	[NT]
Benzene	mg/kg	0.2	Org-016	<0.2	[NT]	[NT]	[NT]	[NT]	87	[NT]
Toluene	mg/kg	0.5	Org-016	<0.5	[NT]	[NT]	[NT]	[NT]	95	[NT]
Ethylbenzene	mg/kg	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	95	[NT]
m+p-xylene	mg/kg	2	Org-016	<2	[NT]	[NT]	[NT]	[NT]	98	[NT]
o-Xylene	mg/kg	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	95	[NT]
naphthalene	mg/kg	1	Org-014	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	98	[NT]	[NT]	[NT]	[NT]	107	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Date analysed	-			14/11/2019	[NT]	[NT]	[NT]	[NT]	14/11/2019	[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	115	[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	100	[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	92	[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	115	[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	100	[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	92	[NT]
Surrogate o-Terphenyl	%		Org-003	77	[NT]	[NT]	[NT]	[NT]	98	[NT]

QUALITY CONTROL: PAHs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Date analysed	-			14/11/2019	[NT]	[NT]	[NT]	[NT]	14/11/2019	[NT]
Naphthalene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	116	[NT]
Acenaphthylene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Phenanthrene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Anthracene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Pyrene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	110	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012/017	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012/017	<0.05	[NT]	[NT]	[NT]	[NT]	108	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012/017	97	[NT]	[NT]	[NT]	[NT]	104	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Date analysed	-			14/11/2019	[NT]	[NT]	[NT]	[NT]	14/11/2019	[NT]
alpha-BHC	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	114	[NT]
HCB	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	108	[NT]
gamma-BHC	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Heptachlor	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
delta-BHC	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	108	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
gamma-Chlordane	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Dieldrin	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	118	[NT]
Endrin	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Endosulfan II	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDD	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	100	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	106	[NT]
Methoxychlor	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	83	[NT]	[NT]	[NT]	[NT]	92	[NT]

QUALITY CONTROL: Organophosphorus Pesticides in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Date analysed	-			14/11/2019	[NT]	[NT]	[NT]	[NT]	14/11/2019	[NT]
Dichlorvos	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	122	[NT]
Dimethoate	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorpyrifos-methyl	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ronnel	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	128	[NT]
Fenitrothion	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	114	[NT]
Malathion	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	123	[NT]
Chlorpyrifos	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	116	[NT]
Parathion	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	124	[NT]
Bromophos-ethyl	mg/kg	0.1	AT-008	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethion	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	124	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-012/017	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-012/017	83	[NT]	[NT]	[NT]	[NT]	92	[NT]

QUALITY CONTROL: PCBs in Soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date extracted	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Date analysed	-			14/11/2019	[NT]	[NT]	[NT]	[NT]	14/11/2019	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	77	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-006	83	[NT]	[NT]	[NT]	[NT]	92	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate			Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	[NT]
Date prepared	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Date analysed	-			13/11/2019	[NT]	[NT]	[NT]	[NT]	13/11/2019	[NT]
Arsenic	mg/kg	4	Metals-020	<4	[NT]	[NT]	[NT]	[NT]	105	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	[NT]	[NT]	[NT]	[NT]	100	[NT]
Chromium	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	111	[NT]
Copper	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	101	[NT]
Lead	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	110	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	[NT]	[NT]	[NT]	[NT]	89	[NT]
Nickel	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Zinc	mg/kg	1	Metals-020	<1	[NT]	[NT]	[NT]	[NT]	103	[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.	

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 same sample will be re-analysed. 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 received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

Asbestos-ID in soil: NEPM

This report is consistent with the reporting recommendations in the National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013. This is reported outside our scope of NATA accreditation.

Note: All samples analysed as received. However, samples 230559-1 to 3 are below the minimum 500mL sample volume as per National Environment Protection (Assessment of Site Contamination) Measure, Schedule B1, May 2013.

[illegible]

SAMPLE RECEIPT ADVICE

Client Details

Client	Consulting Earth Scientists Pty Ltd
Attention	Tristan Goodbody

Sample Login Details

Your reference	CES190901-FRE
Envirolab Reference	230559
Date Sample Received	11/11/2019
Date Instructions Received	12/11/2019
Date Results Expected to be Reported	19/11/2019

Sample Condition

Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	5 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	4.6
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Nil

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	Phone: 02 9910 6200
Fax: 02 9910 6201	Fax: 02 9910 6201
Email: ahie@envirolab.com.au	Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

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Sample ID	VTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Organochlorine Pesticides in soil	Organophosphorus Pesticides in Soil	PCBs in Soil	Acid Extractable metals in soil	Asbestos ID - soils NEPM - ASB-001	On Hold
BH1-0.5	✓	✓	✓	✓	✓	✓	✓	✓	
BH2-0.5	✓	✓	✓	✓	✓	✓	✓	✓	
BH3-1.5	✓	✓	✓	✓	✓	✓	✓	✓	
BH1-0.8									✓
BH3-1.75									✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info



Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.



Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.


TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

Appendix E


		Photographic Log	
Client Name: Frenchmans Lodge Properties		Site Location: 11-19 Frenchmans Road, Randwick NSW 2031	Project Number: CES190901-FRE
Date: 06 November 2019	Plate No: 1		
Description: Waste storage area			
Direction Photo Taken: South			



		Photographic Log	
Client Name: Frenchmans Lodge Properties		Site Location: 11-19 Frenchmans Road, Randwick NSW 2031	Project Number: CES190901-FRE
Date: 06 November 2019	Plate No: 2		
Description: Chemical Storage Area			
Direction Photo Taken: South			



Photographic Log

Client Name: Frenchmans Lodge Properties		Site Location: 11-19 Frenchmans Road, Randwick NSW 2031	Project Number: CES190901-FRE
Date: 06 November 2019	Plate No: 3		
Description: Chemical Storage Area			
Direction Photo Taken: West			

Photographic Log

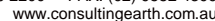
Client Name: Frenchmans Lodge Properties		Site Location: 11-19 Frenchmans Road, Randwick NSW 2031	Project Number: CES190901-FRE
Date: 06 November 2019	Plate No: 4		
Description: Hydraulic Oil Tank and Pump for Elevator			
Direction Photo Taken: NA			

		<h2>Photographic Log</h2>	
Client Name: Frenchmans Lodge Properties		Site Location: 11-19 Frenchmans Road, Randwick NSW 2031	Project Number: CES190901-FRE
Date: 06 November 2019	Plate No: 5		
Description: Fire Extinguisher (CO ₂)			
Direction Photo Taken: NA			

		<h2>Photographic Log</h2>	
Client Name: Frenchmans Lodge Properties		Site Location: 11-19 Frenchmans Road, Randwick NSW 2031	Project Number: CES190901-FRE
Date: 06 November 2019	Plate No: 6		
Description: Grease Trap			
Direction Photo Taken: South			

Appendix F

11-19 Frenchmans road, Randwick, NSW



BH01

Sheet: 1 of 1

Hole Diameter (mm): 110 mm

[illegible]

Refer to Standard Sheets
for details of abbreviations

Project ID: CES190901-FRE
Client: Frenchmans Lodge Propertites Pty Ltd
Project: Environmental and Geotechnical Site Investigation
Location: 11-19 Frenchmans road, Randwick, NSW



**CONSULTING
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SCIENTISTS**
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55 Grandview Street, Pymble NSW 2073
PH: (02) 8569 2200 FAX: (02) 9983 0582
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Corehole ID:
BH01

Sheet: 1 of 1

X-Coord: 337813.1 **Date Commenced:** 07/11/2019 **Logged by:** BR
Y-Coord: 6246595.5 **Date Completed:** 07/11/2019 **Checked by:** MK
Surface Elevation (R.L.): Surf Elevation AHD **Hole Diameter (mm):** 75 MM

Drilling Information					LITHOLOGY										Natural Defects				
Depth (mBGL)	R.L. (m)	Method (Support)	% Coreloss	Water	Symbol	Rock Description ROCK TYPE: grain characteristics, colour structure, minor components	Weathering	Estimated Strength MPa						Is (50) MPa	RQD %	Spacing (mm) 20 60 200 600 2000	Description		
								EL 0.03	VL 0.1	L 0.3	M 1	H 3	VH 10					EH	
1	-1	NMLC Core	0%			Refer to BH01 borelog for details.													
2	-2																		
3	-3																		
4	-4																		
5	-5																		

Drill Company: Hagstrom Drilling Pty Ltd **Operator Name:** Steve Bennett
Machine Type: DB08

Refer to Standard Sheets for details of abbreviations

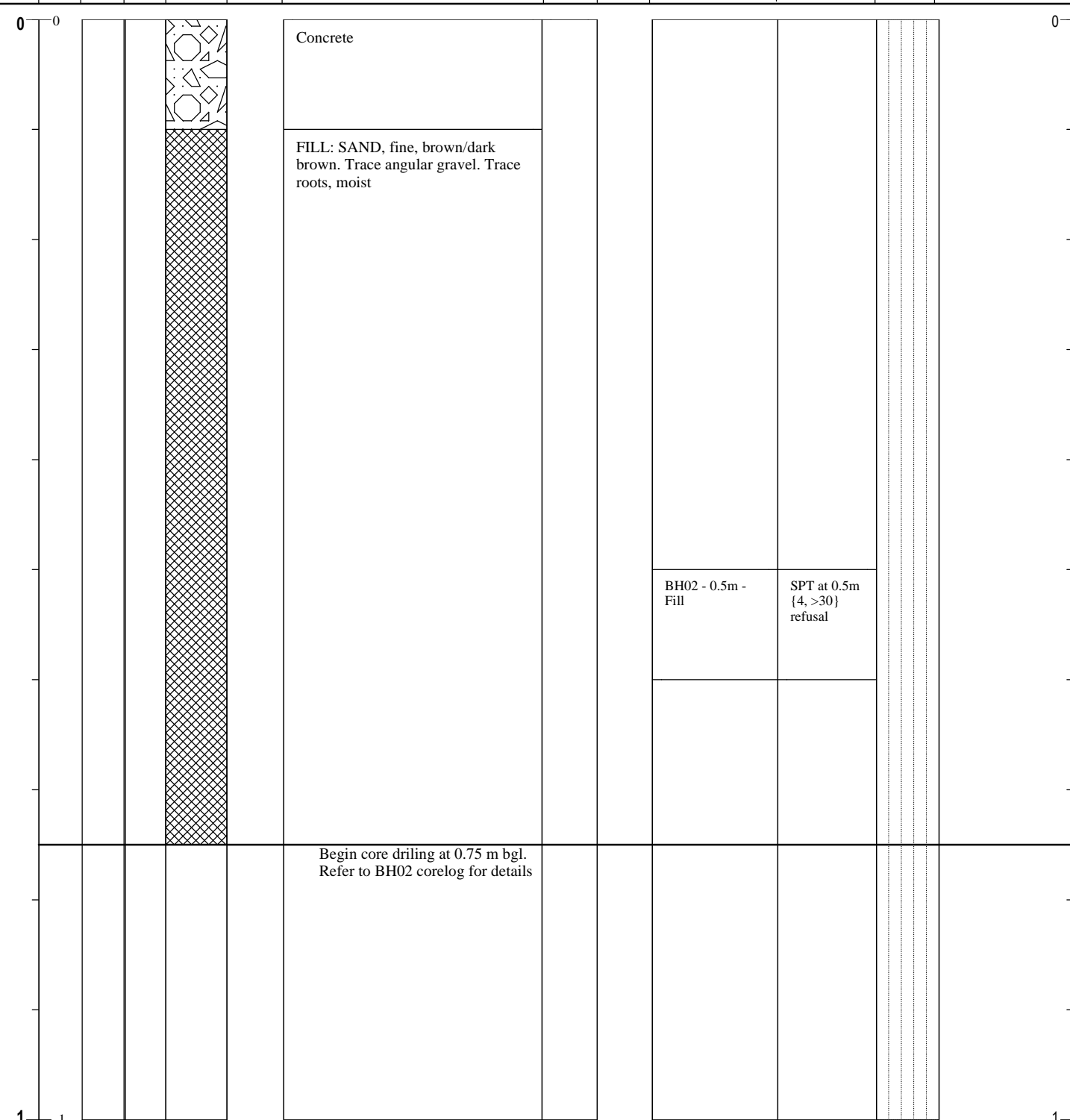


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Sheet: 1 of 1

Drilling Information				LITHOLOGY				Samples	Tests		Notes and additional observations	
Depth (mBGL)	R.L. (m)	Method (Support)	Water	Symbol	USCS Symbol	Description SOIL TYPE: plasticity or particle characteristics colour, moisture, secondary and minor component	Consistency / Density	Moisture	Sample ID	SPT		Pocket Penetrometer (kPa) <div>100 200 300 400</div>



Drill Company:	Hagstrom Drilling Pty Ltd	Operator Name:	Steve Bennett	Refer to Standard Sheets for details of abbreviations
Machine Type:	DB08			

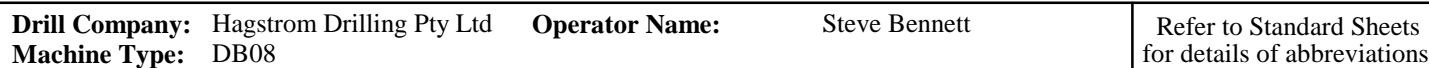


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Sheet: 1 of 1

Drilling Information					LITHOLOGY										Natural Defects							
Depth (mBGL)	R.L. (m)	Method (Support)	% Coreloss	Water	Symbol	Rock Description	Weathering	Estimated Strength MPa						Is (50) MPa	RQD %	Spacing (mm)					Description	
								EL	VL	L	M	H	VH			EH	20	60	200	600		2000
						ROCK TYPE: grain characteristics, colour structure, minor components			0.03	0.1	0.3	1	3	10								



Project ID: CES190901-FRE
Client: Frenchmans Lodge Propertites Pty Ltd
Project: Environmental and Geotechnical Site Investigation
Location: 11-19 Frenchmans road, Randwick, NSW



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Corehole ID:
BH03

Sheet: 1 of 1

X-Coord: 337764 **Date Commenced:** 06/11/2019 **Logged by:** BR
Y-Coord: 6246599.7 **Date Completed:** 06/11/2019 **Checked by:** MK
Surface Elevation (R.L.): **Hole Diameter (mm):** 75 MM

Drilling Information					LITHOLOGY										Natural Defects				
Depth (mBGL)	R.L. (m)	Method (Support)	% Coreloss	Water	Symbol	Rock Description ROCK TYPE: grain characteristics, colour structure, minor components	Weathering	Estimated Strength MPa								Is (50) MPa	RQD %	Spacing (mm)	Description
								EL 0.03	VL 0.1	L 0.3	M 1	H 3	VH 10	EH					
2	-2					Refer to BH03 borelog for details.	EW												
						Sandstone: fine grained, dark grey/ brown, extremely low strength, extremely weathered, trace fine, brown Sand.	MW												
						Sandstone: fine grained, light grey, medium strength, moderately weathered, horizontal laminations of fine grained Shale, 20~30 mm spacing, 1~2 mm thick.	SW										2.34m, P, 5, R, Cu, MW		
3	-3					Sandstone: fine grained, pale grey, high strength, slightly weathered, horizontal laminations of fine grained Shaler, 10~20 mm spacing, 1~2 mm thick. Trace fine, brown Sand.											2.6m, P, 5, R, Cu, SW		
4	-4																3.08~3.1 m, CZ, 0, R, Cu, SW		
5	-5																5.38~5.39 m, CZ, 0, R, Cu, SW		
6	-6					Sandstone: fine grained, light brwn/ light grey, high strength, fresh. Trace fine, light grey Sand.	FR										5.53~5.54 m, P, 5, Cu, R, FR		
7	-7																5.59~5.64 m, CZ, 5, R, Cu, FR		
																	6.16~6.17 m, CZ, 0, R, Cu, FR		
																	6.63~6.65 m, SZ, 0, R, Cu, FR		
																	7.49~7.51 m, SZ, 0, R, Cu, FR		
																	7.7~7.71 m, SZ, 0, R, Cu, FR		
8	-8					End of hole at 8m. Target depth.													
9																			

Drill Company: Hagstrom Drilling Pty Ltd **Operator Name:** Steve Bennett
Machine Type: DB08

Refer to Standard Sheets
for details of abbreviations